

NSBA ADVOCACY
INFORMATION AND
PRESS RELEASES

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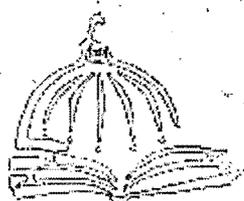
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1680 Duke Street
Alexandria, VA 22314
(703) 838-6722
Fax: (703) 683-7590

info@nsba.org

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2000 NSBA Legislative Agenda

I. Invest in Student Achievement

- A. The federal government can and must do more to support public education. Providing high-quality schools to ensure an educated and productive populace where everyone has the opportunity to excel is the cornerstone of democracy. Presently, our public schools face many challenges-record enrollments, more children in poverty, teacher shortages and the need to provide modern, technology-equipped schools. Meeting these challenges demands a true federal, state, and local partnership and a strong investment in our public schools.
- B. Significant increases in special education local grants are necessary to help local districts meet the increasing costs associated with the education of children with disabilities. For the federal government to meet their commitment of 40 percent of the excess costs of special education, they need \$2.2 billion annually for the next ten years. This includes expected enrollment growth and program cost increases.
- C. Title I must be increased by \$1.9 billion for the next year. The previous increases have barely covered inflationary costs and enrollment growth for this critical program. Federal support for Title I should be significantly increased to ensure that all low-income students have the opportunity to excel academically. Furthermore, local school districts, not the state, should have increased authority to support the successful programs in their district.
- D. Early childhood development must be increased by \$1 billion under a separate funding authority. Research has demonstrated that a lack of early childhood development adversely impacts student achievement; especially among children in poverty. School districts should have funding available to contract for early childhood development programs and provide necessary training for service providers to ensure that children acquire the necessary prerequisite academic skills to successfully perform at grade levels.

II. Support Reauthorization of the Elementary and Secondary Education Act

Local school districts need increased federal assistance to raise the academic achievement of public school students significantly, particularly those with high concentrations of students living in poverty and with limited English proficiency. To increase student achievement dramatically requires an effective federal strategy, including new provisions within

ESEA, to do the following:

- A. Local school districts should be encouraged to use limited Title I dollars to build a stronger capacity to assist their schools in the areas of strategic planning, resource alignment, technical assistance for school-wide projects and for those schools in need of improvement, and the acquisition and use of scientific-based research and professional development. Sustained student achievement requires effective school district leadership, strategic thinking focusing on what works, and providing support and oversight to schools.
- B. A separate funding stream should be created within Title I for preschool educational programs to place disadvantaged children on firmer ground before they fall too far behind and cannot catch up. Current federal early childhood development programs do not effectively address academic skill development in a comprehensive way.
- C. Local school districts need increased program and funding support for professional development to ensure that all students have access to highly competent, well-trained teachers and administrators. Additionally, teachers, including those with experience, must have increased professional development opportunities resulting from raised standards and new curricula realignments. A significant investment should be made to address the shortage of teachers and the need to upgrade skills-beyond simply consolidating existing programs.
- D. Local school districts, rather than the states, need the broadest flexibility and authority to combine federal educational program funding-since local school districts must provide the actual services to meet the critical needs of their students. There is a major difference between state block grants and local consolidations.

III. Support Public Education, Not Tax-Funded Vouchers

- A. Taxing Americans to pay for private schools is bad public policy and siphons scarce educational dollars from students in public schools.
- B. Parents want good teachers, strong discipline, and a safe, effective learning environment. Vouchers do nothing to enhance these aspects of public schools for students.
- C. Vouchers send public money into unregulated private schools that are not accountable to the community or any public entity.
- D. NSBA urges Congress to reject vouchers and work with NSBA to improve, not weaken, the educational opportunities of the 46 million children enrolled in public

schools.

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**ACTION KIT—Invest in Education: Ten
Tactics to increase federal
Support for education**

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How to Use This Action Kit

Public education needs your help over the next two months. We must step up our grassroots activity to increase the federal government's support for the public schools. As a constituent and elected official in your community, you are an effective advocate for public education and we urge you to take action now.

Please use the enclosed tools to convey the following points to your members of Congress:

Congress must strongly support core education programs that continue to make a difference to our children such as the Title I program for reading and math, teacher professional development, after-school, and technology programs.

Congress must live up to its commitment to students with disabilities and fully fund its promised portion of the Individuals with Disabilities Education Act (IDEA).

Congress must help our schools to provide safe, modern well-equipped facilities.

Congress must also help our schools to reduce class size by continuing to provide class-size reduction resources.

Members of Congress will be home in their district from August 7–September 7 for the summer recess. This will provide an excellent opportunity for school board members engage in advocacy activities that highlight the need for greater federal support of public education. **The most effective action is the face-to-face meeting with your members of Congress.** We have provided a variety of activities to allow you to determine what action you would like to undertake. While we do not expect you to do every single activity, the more you do the greater the impact. Over the next two months, please engage in as many of these activities as possible. It is crucial to the success of public education.

NSBA has joined with a broad coalition of education organizations to urge Congress to provide a \$5 billion increase in federal education. Unfortunately, some members of Congress are trying to cut or freeze the funding levels for federal programs. School board members must not be trapped by a discussion of cuts or funding freezes when the federal government has a surplus exceeding \$140 billion. **Tell Congress that now is the time to provide adequate support for our nation's public schools.**

These next few months will prove critical in the appropriations process, but with your help, we can improve the education funding picture.

Should you have any questions or need assistance with any of these activities, please contact Dan Fuller, federal networks advocate, at 703-838-6763, or e-mail dfuller@nsba.org. Additionally, the entire kit is available on our web site (www.nsba.org/advocacy) to allow you to cut and paste rather than retype the letters.

One final note: **Please provide NSBA with copies of any letters, petitions, resolutions, letters to the editor, or guest editorials that you use in the campaign.** This will help us when we lobby your members of Congress on Capitol Hill. These copies also help us to keep track of what is happening in your individual districts. All copies and correspondence may be sent to Dan Fuller, federal networks advocate, NSBA, 1680 Duke Street, Alexandria, VA 22314; or fax to 703-838-6763; or e-mail dfuller@nsba.org.

Thank you again, and we look forward to working with you.

Invest in Education Background Information

The *Issue Brief* provides you with useful information on federal education funding for your meetings and media activities. The talking points buttress the *Issue Brief* and can be used in conversations with your members of Congress and the media. Also included is a recent *Call-to-Action*, which is a communiqué with our grassroots activists.

The funding chart shows the amount of federal funding that the major education programs received last year and the president's proposed budget for Fiscal Year 2000.

When you lobby members of Congress, do not be distracted by discussions of either spending caps or excuses why education cannot receive additional funding. The bottom line is that there is a significant surplus, and public education is asking for at least a \$5 billion increase. The current funding proposals, which provide a minor increase, cut, or level-fund current programs, are inadequate.

An Investment for Student Achievement

Invest in education; an essential ingredient for our children's success

The Issue

Providing high-quality schools to ensure an educated and productive democracy where everyone has the opportunity to excel is the premise of public education. However, our public schools face many challenges—record enrollments, more children in poverty, teacher shortages, and the need to provide modern, technology-equipped schools. At the same time, our schools are striving to institute innovative programs to ensure that all students achieve high standards to succeed in the 21st century. Meeting these challenges demands a true federal, state, and local partnership—and a strong federal investment in our public schools. While increases in federal funding for education over the past few years have been laudatory, they are not enough to meet the growing population of students in need and to help all public school students succeed.

The Facts

- Federal investment in education pays off. Federal investment in programs for the disadvantaged is responsible for two-thirds of the increase in National Assessment of Educational Progress test scores among minority students over the past twenty years. Source: *Student Achievement and the Changing American Family*, RAND Corporation.
- The American people and political leaders agree that the most important national issue is to improve public education to ensure that all students can reach high academic standards.
- In other priority areas, such as transportation, the federal government finds the funds necessary to get the job done. It should do the same for children's education.
- Elementary and secondary school enrollment (K-12) is expected to expand by seven million students, or a 14 percent increase, between 1993 and 2005, according to the 1997 National Center for Education Statistics (NCES) report.
- Under the Individuals with Disability Education Act (IDEA), the federal government agreed to pay for 40 percent of the excess costs incurred by school districts for the education of disabled children. Despite significant funding increases over the last few

years, the total federal funding still amounts to less than 12 percent of the total costs associated with implementing the federal mandate (or less than one-third of the federal commitment).

- If federal special education funding only grows by \$500 million each year, it will take 22 years to fully fund the federal share, if costs NEVER increase.
- It will cost more than \$112 billion to repair or upgrade dangerous, substandard school facilities. Also, \$73 billion is needed to build new schools in order to meet the surge in enrollment, which brings the total burden on local school districts to nearly \$200 billion. General Accounting Office.
- Just over 50 percent of the nation's classrooms are connected to the Internet. Only 37 percent of high-poverty and minority schools have access to the information superhighway. National Center for Education Statistics, 1999.
- Sixty percent of all new jobs created between 1992 and 2005 will require education beyond high school. National Bureau of Labor Statistics, 1995.

NSBA Position

In the time of fiscal prosperity, NSBA calls upon Congress to reflect the priorities of the American public and make education priority number one.

NSBA urges Congress to:

- Strongly support core education programs that continue to make a difference to our children such as the Title I program for reading and math, teacher professional development, after-school, and technology programs.
 - Help our local schools provide safe, modern, well-equipped facilities.
 - Help local schools reduce class size by continuing to provide class-size reduction resources.
 - Live up to its commitment to students with disabilities and fully fund its promised portion of the Individuals with Disabilities Education Act (IDEA).
-

Major Federal K-12 Education Programs
FY99 Education Appropriations vs. FY00 President's Budget
(in millions of dollars)

Selected Current Programs	FY1999	FY 2000 President's Budget
*Title I (total)	\$8,370.5	\$8,743.9
**Title I (LEA Grants)	\$7,676.0	\$7,996.0
Special Education (state grants)	\$4,310.7	\$4,314.0
Goals 2000	\$491.0	\$491.0
School-to-Work	\$125.0	\$55.0
Education Technology (total)	\$698.0	\$801.0
Impact Aid	\$864.0	\$736.0
Eisenhower Professional Development (state)	\$335.0	\$335.0
Title VI	\$375.0	\$0.0
Safe and Drug-Free Schools	\$566.0	\$591.0
Magnet Schools	\$104.0	\$114.0
Charter Schools	\$100.0	\$130.0
Bilingual Education	\$224.0	\$259.0
Immigrant Education	\$150.0	\$150.0
21st Century Community Learning Centers	\$200.0	\$600.0
Fund for the Improvement of Education	\$147.0	\$139.5
Vocational Education (total)	\$1,154.2	\$1,163.3
#Literacy Initiative	\$260.0	\$286.0
#Class Size Reduction	\$1,194.0	\$1,400.0
Total Selected Current Programs	\$19,668.4	\$20,308.7
*Title I (total) includes the LEA grant money.		
**Please note the Title I (total) includes the LEA grants in the calculation of the total selected current programs.		
#New program in FY99		

Message Points for Education Funding

General Information

- The federal government has a surplus exceeding \$140 billion for Fiscal Year 2000.
- According to a January 1999 Gallup poll, the American people have chosen education as the top choice for spending the federal budget surplus.
- NSBA is calling for a \$5 billion increase in overall education spending to begin meeting public education's growing needs.

Budget Proposals

The President

- The president's Fiscal Year 2000 budget recommends an inadequate 3.7 percent increase in funding for U.S. Department of Education programs.
- This budget will level-fund or cut important programs like Title I basic grants, special education state grants, and Title VI innovative educational strategies.

The Congress

- Congressional budget discussions have focused on cutting or level-funding federal education programs for next year.
- The number of students attending school and the costs facing our school district are not frozen; why is Congress proposing a funding freeze or decrease.
- Do not be distracted by discussions of budget resolutions or excuses why education funding cannot be increased. The bottom line is—With a surplus for fiscal year 2000, education needs to be a priority; Congress and the president have the resources available to make a significant investment in education.

Special Education

- While the federal government promised to fund 40 percent of the excess costs of special education, right now it funds only 11 percent.
- For next year, the Clinton Administration proposes to freeze special education, and Congress proposes a \$500 million increase.
- If Congress continues the recent trend of increasing special education by \$500 million per year, it will take more than 20 years to fully fund special education—if costs or students NEVER increased.
- The cost of educating children with special educational needs is one of the fastest growing expenses in a school district.
- Congress should increase special education funding by at least \$2.1 billion a year for the next ten years to reach a projected federal share of \$25 billion in 2009.

Title I

- Title I funding has declined in real terms by 2.2 percent since 1980.
- Title I funding would have to triple to serve all eligible students.
- Title I must increase significantly to keep pace with rising population and growing needs.

School Construction

- According to a 1996 U.S. Government Accounting Office study, 38 percent of urban, 29 percent suburban, and 30 percent rural schools have at least one building in need of extensive repair or replacement.
 - Seventy-four percent of today's public schools are more than 25 years old, and nearly one-third are more than 50 years old.
 - Fourteen million children attend schools that need extensive repair or replacement.
-

Call to Action

July 1, 1999

OVERVIEW

Congress will be making initial decisions on funding levels for Fiscal Year 2000 (the 2000-2001 school year) over the next few weeks. NSBA has joined with a broad coalition of education organizations to urge Congress to make at least a 15 percent or a \$5 billion increase in federal education. Unfortunately, some members of Congress may try to take advantage of a procedural maneuver that could lead to a ten percent cut for education. School board members must not be trapped by a discussion of cuts, when the federal government has a surplus exceeding \$140 billion. **Tell Congress now is the time to provide adequate support for our nation's schoolchildren.**

Unless education advocates speak out strongly, schools will not see the necessary increases. We must ensure the education of our nation's children is a top national priority for this year.

LEGISLATIVE STATUS

The House Appropriations Committee is scheduled to complete work on the Labor, Health and Human Services, Education and Related Agencies Appropriations bill, including education funds, by July 28. The full U.S. House of Representatives could vote in early August. The Senate Appropriations Committee could act as soon as mid-July. Final funding levels will be set in the fall.

YOUR ACTION

Members of Congress will be home in the district from July 2-12. Please use this time to meet, call, fax, or e-mail your member of Congress and deliver the following message:

1. **Be Smart-Invest in Education—Provide a 15 percent increase in education funding to support the children in our district.** Provide a local example to illustrate your district's funding needs.
2. **Attend town hall meeting and public forums.** Publicly, tell your member of Congress what needs your district faces and ask, "Will you support a 15 percent increase in education programs to help the children in our district?"

To set up a meeting with your representative or to find out his/her public schedule, please call the district office. The telephone numbers for your representative's district office are available in NSBA's online *Guide to Congress* at <http://congress.nw.dc.us/nsba/>.

Should you have any questions, please contact Daniel B. Fuller, federal networks advocate, at 703-838-6763, or via e-mail at dfuller@nsba.org.

Ten Tactics for Education Advocacy

Following is a brief overview of the sample materials enclosed. We have provided a large array activities to provide some flexibility in your actions, depending on the time you have over the next two months. In an effort to minimize your time, while maximizing your impact, we have included sample materials for your use in this campaign. Please try to set up face-to-face meetings when possible, as these are the most effective. In the pages following this summary, you will find samples of all the materials discussed. As an additional convenience, we will have a copy of this accessible on our web site (www.nsba.org) for you to download, cut and paste, and customize for your district.

1. Meet with your members of Congress in the district during the August recess. See meeting tips.
2. Attend town hall meetings. See suggested questions.
3. Send a letter to your members of Congress. See two sample letters.
4. Send a coalition letter to your members of Congress. See sample letter.
5. Pass a resolution in support of increasing education funding. See a sample resolution.
6. Volunteer to recruit advocates. See sample recruiting script and list of potential volunteers.
7. Write a letter-to-the-editor for your local newspaper. See sample letter-to-the-editor.
8. Write a guest editorial for your local newspaper. See sample guest editorial.
9. Pass around a petition in support of increasing education funding in your community. See sample petition.

Meeting with Your Members of Congress

Tips for setting up a meeting

- Call your member's local district office and give your name, title, and school district and ask to speak with the scheduler. Be sure to let the scheduler know the subject to be discussed and the time needed.
- To find the direct dial phone number and the scheduler for your member of Congress, go to NSBA's Online Guide to Congress at <http://congress.nw.dc.us/nsba/>.
- Invite several other board members, community leaders, and/or educators to the meeting.
- Call Dan Fuller, federal networks advocate, at 703-838-6763 to let NSBA know that you have a meeting. We will provide you with the most up-to-date briefing materials.

Tips for a successful meeting

- Be punctual and patient. It is not uncommon for a member of Congress to be late, or have a meeting interrupted due to members crowded schedules.
- Be prepared by researching your member's position on the issues and reviewing the enclosed message points and sample questions. You can find this information out on NSBA's Legislative Action Center web site: (<http://congress.nw.dc.us/nsba/>).
- Meet with the other participants prior to the congressional meeting. Decide in advance who will discuss which points so that your visit runs smoothly.
- Keep your discussion and arguments short, simple and focused. Do not be diverted by arguments about process and resources, or by arguments that current federal investments are sufficient.
- Use explicit local anecdotes that include local data and also use the positive impact of

- current federal investments to stress the continued need for increased resources.
- If the member or staff asks you a question and you do not know that answer—do not guess. Tell them you will get back to them with the answer. This will provide you with another contact with the member.
- Hand out supporting materials at the meeting.
- View your meeting as the starting point in a relationship. Seek a commitment from the member to visit a school in your district. Follow up with a thank-you letter, and offer to serve as an on-going resource.

Questions to Ask Your Members of Congress

Many members of Congress will be holding town hall meetings and open houses when they are home on weekends and during the summer district work period, August 7-September 7. This is an excellent forum to get your members of Congress on record in a public setting. It is also a great chance to alert the community to the current funding shortfalls facing public education. The purpose of these meetings is to gauge community support and provide an opportunity for constituents to express their opinions. You can obtain a schedule of these meetings by contacting your members' district offices. The following questions are provided to guide your discussion when you attend these meetings.

1. What will you do to significantly increase the investment in education for Fiscal Year 2000?
2. Will you oppose any legislation that reduces or level funds the education investment for Fiscal Year 2000?
3. What are your top educational priorities to ensure the needs of public school children are met?
4. Will you work for a \$2 billion increase in the Fiscal Year 2000 appropriations for the Individuals with Disabilities Education Act?
5. If Congress says education is a priority, why is education facing possible cuts or such minor increases they may as well be cuts?

Sample Letter to Members of Congress

(Date)

The Honorable (*Member's Name*)

U.S. House of Representatives or U.S. Senate
Washington, DC 20515 Washington, DC 20510

Dear (*Representative or Senator "Last Name"*):

I am a school board member from _____ district, representing _____ students and parents. I am very concerned about education funding for the current year. Our school district could use greater federal support to continue educating **all** our students. With a federal budget surplus exceeding \$140 billion for Fiscal Year 2000, this nation can surely provide a \$5 billion increase to allow our public schools to begin meeting growing needs.

It is irresponsible for congress to freeze or level-fund current federal programs. Student enrollment is growing and the costs of services are not frozen. Schools are required to provide the funding necessary for programs, regardless of federal support. A federal increase would allow us to (*insert local examples of programs that need increases*) that will improve student achievement.

We would also urge you to substantially increase the federal support for special education. As you are aware, the federal government is supposed to pay 40 percent of the excess cost of special education, and today it pays only about 11 percent. This is one of the greatest costs facing our district. Congress must honor it's commitment and provide a \$2.2 billion increase in special education funding.

Our schools need more federal support for Title I, to give all students a chance for success. Title I provides money to help those children who are disadvantaged to receive extra attention and programs to close any potential learning gap between students.

Greater federal funding will allow us to reduce class sizes by providing more teachers and provide more professional development opportunities for teachers to improve student achievement.

As the appropriations process continues this year, please use your influence to increase federal financial support for education. We need to increase the investment in the children of _____ school district. Thank you for your consideration, I look forward to your response.

Sincerely,

Name
School Board
Address

Sample Letter to Members of Congress

(Date)

The Honorable (*Member's Name*)

U.S. House of Representatives
Washington, DC 20515

Dear (*Representative "Last Name"*):

As a school board member from _____ district, I urge you to increase federal support for education. Any discussion to reduce or freeze federal education funding is irresponsible, and will make the education of all children more difficult. We must increase, not decrease, the investment in existing education programs to help all children succeed in school and prepare them to compete in the global economy.

Congress needs to provide substantial increases for our schools. The _____ district needs greater support for special education. Congress committed the federal government to pay 40% of the excess cost for the education of children with disabilities. To date, they are paying 11 percent. Congress must honor its commitment and provide a \$2.2 billion increase in special education state grants.

Our school district is working hard to raise academic standards and improve student achievement. To continue this, we need greater support to hire more teachers and to provide more professional development options. Increased funds will help our school district achieve high academic standards, strengthen curriculum, develop better student assessments, and improve the training of teachers.

Congress must increase Title I to help to close the achievement gap between rich and poor students. This program, if adequately funded, will also give our schools the resources and flexibility to replicate programs that work. *(Tell them about the education funding needs in your community and describe the specific local impact on children in your school).*

With a federal budget surplus exceeding \$140 billion and a strong economy, it is an appropriate time to invest in America's future—our children. I urge you to provide public schools with the resources they need to provide quality educational opportunities to all children.

Thank you for your attention to this matter and I look forward to your response.

Sincerely,

Name
School Board
Address

Sample Coalition Letter to Members of Congress

(Date)

The Honorable (Member's Name)

U.S. House of Representatives
Washington, DC 20515

Dear Representative:

We the undersigned representing local businesses and community organizations are concerned about the fate of public education in Congress. The current funding proposals are

inadequate and will make the job of public schools more difficult. It is critical to our businesses and communities that our schools prepare children to enter the work force. To achieve this goal, we need Congress to increase the federal investment in education. The current investment levels are not enough to cover the needs our schools face.

In the _____ school district, we are raising student achievement for all our students, but increasing enrollments require a greater investment. We need more support to hire teachers and reduce class size. We also need greater investment in teacher training to ensure that teachers can effectively teach children about the new technology.

We need greater investments in the Title I program to close the achievement gap for disadvantaged students. This will ensure that all children can succeed. The _____ school district is working hard, but we need the federal government to help us meet these challenges.

Congress will play an important role in determining the funding for education. With a federal government surplus, now is the time to invest in the future. Please increase federal education funding by \$5 billion for the next fiscal year. Any proposals that would cut or level fund federal programs are irresponsible. The children of _____ school district need this support.

Sincerely,

Your names
Businesses
Telephone numbers

Sample Resolution

Have your local school board pass a resolution at its August or September meeting. Mail an official copy to both of your senators and to your representative, thereby putting your entire school board on record as calling for significant increases in federal support of education. This is also a useful tool for press conferences and meetings with editorial boards. Consider circulating your resolution to other community organizations that may be interested.

Whereas, the federal government has a surplus exceeding \$140 billion and an investment in education will keep the economy sound; and

Whereas, public education as a share of federal government spending has decreased approximately five percent since 1980; and

Whereas, student enrollment is increasing in record numbers nationwide and _____ percent in the _____ school district; and

Whereas, the cost of special education is one of the fastest growing expenses in our local school district; and

Whereas, the federal share of special education funding is only ___ percent rather than the promised 40 percent; and

Whereas, the _____ school district is in need of renovations that would cost approximately _____ million dollars; and

Whereas, to improve student achievement for all children the _____ district needs the federal government as a partner; therefore

Be it resolved that Congress provide at least a \$5 billion increase in public education funding for fiscal year 2000; and

Be it further resolved that representative _____ and senators _____ and _____ support this increase.

Sample Phone Script for Recruiting Community Activists

In a campaign like this, numbers count. The more letters people write, and the more volunteers who participate in the various activities, the more successful the campaign. To that end, the enclosed script will aid your volunteer recruitment. You will also find a list of organizations that have a clear interest in the success of our public schools. Using different community organizations and constituents in this campaign will demonstrate a breadth and depth of support beyond the education community. Please use the script as a guideline for recruiting members of the community to help write, call, or meet with your local members of Congress.

Hello my name is _____ and I am calling from the _____ school board. I was wondering if you could participate in a campaign to help our local schools.

As you may be aware, Congress is considering the education appropriations amounts for the next fiscal year. The current funding proposals range from inadequate to horrific. Despite a surplus, some members of Congress are trying to cut or level-fund education programs.

As (*community group name*), you have a personal stake in our public schools. Without strong schools, our local economy will suffer. Please help us by lobbying our members of Congress.

Their roles will be critical in this process. We must convince them that the amount of money Congress wants to give to public schools is not enough. The current funding amounts will have an adverse impact on the ability of our public schools to educate our children.

Would you be interested in sending a letter to your members of Congress? I have a sample letter you can customize if that would help.

Would you be interested in meeting with your members of Congress to discuss this further?

I will be setting up a meeting and we would love to have you attend.

Would you be willing to call your members of Congress and voice your concerns about the education cuts? I have some sample talking points that may help in your conversation.

The bottom line is we need your help. To effect change on the national level we must begin locally.

Thank you for your time.

Local Groups That May Volunteer

Check your phone book for the local chapters of these groups.

Business Roundtables

Chamber of Commerce

Child Welfare League of America, Inc.

Coalition of Title I/Chapter I Parents

Council of Senior Citizens

League of Women Voters

National Association for the Advancement of Colored People

National Education Association

Parent Teacher Association

Public Employee Department/AFL-CIO

Rotary Clubs

State Association of School Administrators

State Federation of Teachers

Urban League

Sample Letter-to-the-Editor

Take one of the sample letters and customize it with local illustrations, be specific, and keep it local. If possible, connect the letter to a recent story, such as a school budget vote or legislation affecting education. Although it may be edited, generally a letter-to-the-editor is an unfiltered pipeline to the community. Also, provide all relevant contact information, as newspaper staff will have to verify the information before printing it.

- In all letters-to-the-editor, request readers to contact their members of Congress and express support for your position. You may want to include your member's district office telephone number.
- Find the proper address for letter-to-the-editor submissions in your local newspaper; it is usually located on the editorial page of the newspaper. This is usually a different address than regular correspondence.
- Once the letter is sent, allow two to three weeks for publication.
- If the letter is published, clip a copy of it, and send to your members of Congress. Enclose a brief note reiterating your position, and include your business card.

Dear Editor:

As a school board member from _____ district, representing _____ students and parents. I am very concerned about discussions and proposals to freeze or cut education funding for the current year. Our school district could use greater federal support to continue educating **all** our students. With a federal budget surplus exceeding \$140 billion, we are asking Congress for an increase in education funding of at least \$5 billion.

Student enrollments are increasing and so are costs for public school districts. Why would Congress cut or freeze federal funding? They should be responsible and increase the federal support for our schools. An increase would allow us to *(insert local examples of programs that need increases)* that will improve student achievement. We could also use greater federal funding to reduce class-sizes by providing more teachers.

The federal government promised to pay 40 percent of the excess costs for the education of children with disabilities. Presently, they pay 11 percent. It is time for Congress to honor this commitment.

Please take a few minutes and contact your members of Congress to ask them to support significant education increases this year. The children, families, and educators of the _____ school district are counting on your help.

Sincerely,

Name
School Board
Address

Guest Editorial Information and Procedures

Because you are an elected official in your community, many newspapers will give you an opportunity to submit a guest editorial. This will appear on the editorial page of the newspaper. To maximize your time, we have created a sample editorial for you to customize for your district and community. All editorials must have a local angle to make them newsworthy. In this instance, begin with the overarching theme—Congress must increase funding support for public education. Within this theme, provide local illustrations of your school district's most pressing needs. Both editorials and letters-to-the-editor are very effective tools to educate the public and to begin discussions within the community. They have the added benefit of informing the newspaper staff of potential stories that may be of interest to the community. Furthermore, when these letters or editorials are printed, they can be clipped and sent to your members of Congress. The benefit here is that it reflects the pulse of the community and will increase pressure on your members of Congress.

After you have customized the editorial, please do the following:

- Call your target newspaper(s) to obtain the name and correct spelling of the editorial page editor.
- Send the guest editorial to the editor with a note explaining why this piece merits publication.
- After a reasonable amount of time (approximately one week), call the editor to see if he/she has received the submission. Ask if he/she has considered it for publication and reiterate the importance of this editorial. It is important to determine the newspaper's intention, because if the one newspaper is not going to publish it, you want to try another newspaper.
- There are other uses for the editorial if the local newspaper does not want to print it. For more information on this please contact Dan Fuller, federal networks advocate, at 703-838-6763, or e-mail dfuller@nsba.org.

To enhance its impact, send the published guest editorial to your members of Congress, with a brief cover note.

Sample Guest Editorial for School Board Members

What do ***(PLEASE PICK THREE SUCCESSFUL LOCAL ROLE MODELS)*** have in common? They all are successful role models and all attended public schools. This education is the foundation for their later successes and service. These people thrived in school, a direct result of federal and state financial support for public education. Yet, this same opportunity for success may be denied to the 47 million children in public schools across the country and the ***(INSERT LOCAL ENROLLMENT AND THE NAME OF YOUR SCHOOL DISTRICT)*** unless Congress provides more money for our schools.

With a federal budget surplus this year, Congress has an excellent opportunity to invest in the future by significantly increasing federal support for public schools. However, in

Washington, the current budget proposals range from inadequate to horrific. The president proposed an overall increase of 3.7 percent, barely enough to cover current costs. Congress is discussing either freezing the current funding levels or reducing funds for the next fiscal year. Not only are these proposals shortsighted, but they are unfair. These proposals will deny children opportunities to succeed.

Our public schools today face tremendous challenges. Student enrollment is increasing every year, as are the number of children with special education needs, which requires more money. Schools need more teachers to reduce class size and more money for professional development to ensure they are teaching children in the most effective manner.

Public schools need more support to address the achievement gap between students from varying socioeconomic backgrounds. Schools know which programs work; they just need money to implement these programs on a larger scale.

The physical structure of our schools is deteriorating. More than 14 million children attend schools that need extensive repair or replacement. Seventy-four percent of schools are more than 25 years old, and nearly one-third are more than 50 years old. **(ADD LOCAL INFORMATION HERE.)**

While sales of home computers surpass televisions annually, less than 37 percent of public school classrooms are wired and connected to the Internet. In this increasingly high-technology oriented global economy, children must become proficient in computer technology to communicate, compete, and succeed in the world after school. They must learn these skills to be attractive to prospective employers and contributing members of today's society.

(Please provide local examples of needs in your school district and what results you can achieve with increased federal support.)

The current budget surplus is the product of a strong economy and belt-tightening in every sector of government. Schools also have tightened their belts, while still providing an education. Now, the budget surplus provides an opportunity to reward these savings and provide greater opportunities. Congress must drastically increase funding to provide the education and the opportunity and chance for success that previous generations received.

Let us invest in tomorrow's leaders. Act now to increase support for public schools in Congress.

Education Funding Petition Information

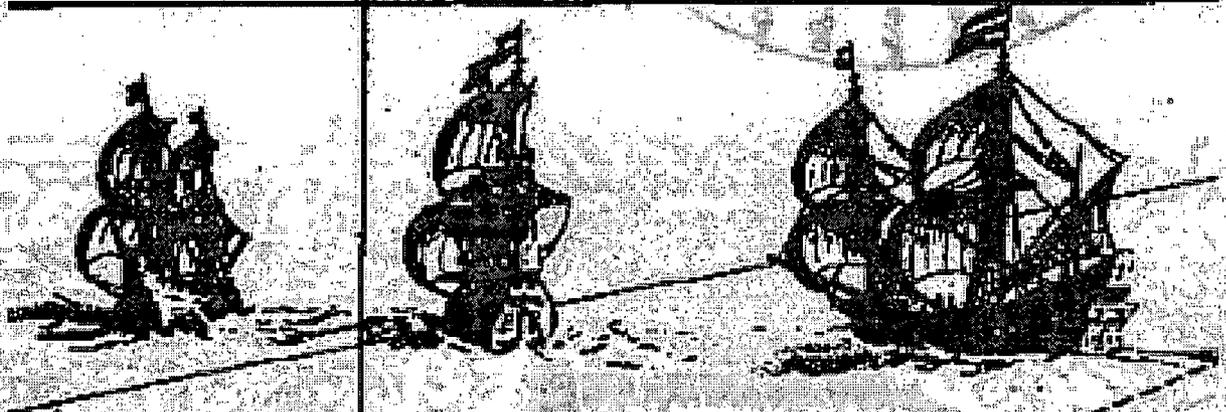
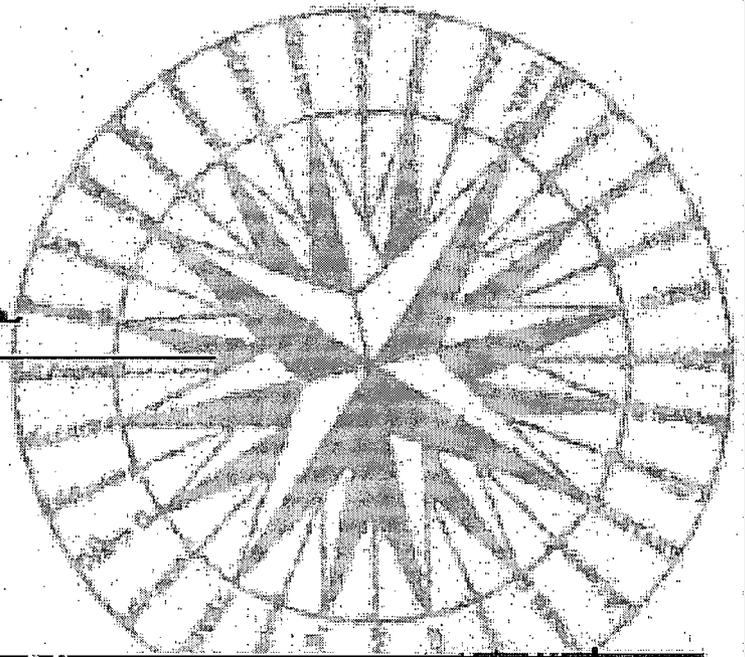
[Return to Advocacy](#)





Exploring New Directions

Title I in the Year 2000



National
School
Boards
Association



EXPLORING NEW DIRECTIONS:

Title I in the Year 2000

Title I in Perspective by:

Michael J. Puma, M.S.
*Principal Research Associate
The Urban Institute*

(with contributions from Darrel W. Drury)

Introduction and Policy Implications by:

Darrel W. Drury, Ph.D.
*Director of Policy Research
The National School Boards Association*

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FOREWORD

Since its inception, in 1965, Title I of the Elementary and Secondary Education Act has supported local educational programs serving the needs of America's most disadvantaged children. Today, at an appropriations level of more than \$8 billion, Title I dominates the federal K-12 education budget and provides supplementary funding to more than 90 percent of school districts across the United States. In this, the program's 35th year, The National School Boards Association is pleased to offer this important and timely publication, *Exploring New Directions: Title I in the Year 2000*.

With this report, NSBA takes stock of the present Title I program, identifies the most promising approaches to educating the nation's disadvantaged children, and offers sound guidance to policymakers seeking to improve Title I's effectiveness. Drawing upon literally hundreds of studies, evaluations, and other documents, *Exploring New Directions* details the evolution of the Title I program over the past 35 years, placing its successes and failures in historical perspective. Most important, this report – following a prepublication version distributed to congressional offices in the fall of 1999 – provides a renewed vision for the future of the Title I, offering a set of concrete recommendations to guide lawmakers as they embark upon the program's reauthorization. The report also raises a series of critical questions to encourage responsible dialogue at the local level aimed at improving program effectiveness.

Focusing attention on student achievement is a key function of local school boards, and addressing the educational needs of disadvantaged children is a critical part of that broader responsibility. It is our hope that this new report will support school board effectiveness in achieving both of these important objectives — by strengthening the Title I program's legislative base and by informing local policymakers seeking to develop and implement more effective programs at the local level.

Sincerely,

ABCD

Anne L. Bryant
Executive Director

A

Mary Ellen Maxwell
President

ACKNOWLEDGMENTS

This report is divided into two parts. Michael Puma, principal research associate at The Urban Institute, prepared "Part I: Title I in Perspective" under contract with Abt Associates, Inc. Darrel Drury, director of policy research at the National School Boards Association, prepared the Introduction and "Part II: Policy Implications." Darrel Drury also contributed the sections on class size reduction and capacity building in Part I and revised both parts of the manuscript for publication.

Several other individuals contributed significantly to the development of this report. Michael Resnick, associate executive director for advocacy at NSBA, reviewed and commented on earlier drafts, offering numerous suggestions and insights that enhanced the report's role in informing congressional action and inspiring dialogue at the local level. Other current and former staff members within NSBA's Office of Advocacy, including Reginald Felton, Daniel Fuller, and Michelle Richards, also provided useful suggestions that enhanced the report's policy relevance. Julie Miller, editor and publisher of *Title I Report*, revised an earlier draft of the report and incorporated recent data pertaining to the post-1994 program. And, Sally Zakariya, editor of the *American School Board Journal*, graciously edited the final draft of the report and oversaw its design and layout for publication.

We are especially indebted to those who supported this effort through their service on NSBA's Title I Reauthorization Panel, as well as those who attended an all-day conference on Title I reauthorization held at NSBA in the winter of 1999. The nationally renowned scholars who served on the Reauthorization Panel helped make the conference a success through their formal presentations, provided detailed written commentary on one or more drafts of the report, and assisted NSBA in its evaluation of a broad range of policy alternatives. Panel members include:

Eva Baker

Director, Center for the Study of Evaluation &
Codirector, Center for Research on Evaluation,
Standards, and Student Testing,
University of California at Los Angeles

Joyce L. Epstein

Director, Center on School, Family, and Community
Partnerships,
The Johns Hopkins University

Susan H. Fuhrman

Chair, Management Committee of the
Consortium for Policy Research in Education &
Dean, Graduate School of Education,
University of Pennsylvania

Peg Goertz

Codirector, Consortium for Policy Research in
Education,
University of Pennsylvania

Andrew Porter

Director, Wisconsin Center for Education Research,
University of Wisconsin

INTRODUCTION

More than any other federal education program, Title I of the Elementary and Secondary Education Act (ESEA) provides a critical lifeline for vast numbers of poor and disadvantaged children enrolled in America's public schools. On the occasion of its 35th anniversary, this report takes stock of the present Title I program, provides recommendations to guide lawmakers as they embark on its reauthorization, and examines important issues that school boards across the nation should consider in developing policies to strengthen local programs.

A Research-Driven Strategy

In accomplishing these varied objectives, this report employs a research-driven strategy that attempts to place Title I in proper historical perspective. This is not a program of fixed design, but rather, one that has evolved over a period of more than three decades. Nor has Title I been a program devoid of deficiencies. Yet, as the report will illustrate, in those instances where such deficiencies have been identified, action has been taken to address them in a positive manner. It is, therefore, this report's fundamental conclusion that, despite its inability to serve all eligible students, Title I has been largely successful in reaching the nation's *most* disadvantaged children and in providing support for a variety of initiatives designed to address the educational needs of the children it serves.

But there is room for improvement in any social program, and Title I is no exception. The report thus draws upon literally hundreds of evaluations, studies, and other documents to inform the development of the National School Boards Association's (NSBA) recommendations for modifying the existing program. Briefly stated, these recommendations are as follows:

- Develop districtwide capacity to evaluate and improve programs serving Title I students;
- Support districts in achieving this goal through access to technical assistance that promotes the development of a districtwide infrastructure conducive to school-based change;
- Increase the targeting of funds to those schools serving the poorest students;
- Increase funding to early childhood education programs;
- Continue the use of Title I to drive comprehensive school reforms, while improving accountability and assessment of these and other schoolwide initiatives and providing for increased research and development in this area;
- Support the development and implementation of enhanced methods for student assessment; and
- Provide for more comprehensive, coordinated research and development.

Drawing upon this same research base, the report also raises a series of critical questions to guide local education authorities in a process of self-reflection and redirection. Although a federal program, Title I's success depends, ultimately, on the ability of local policymakers to develop and implement educational strategies that will best serve the needs of America's disadvantaged school children. Thus, apart from its role in informing and shaping the legislative process, the report is intended to provide a rich source of information for school boards and district administrators seeking to improve the delivery of Title I services at the local level.

Organization of the Report

Aside from this introduction, the report is divided into two parts. Part I provides a brief historical overview of Title I, assesses the program's overall impact on raising achievement for America's disadvantaged children and, then, seeks to determine those aspects of the program that would likely benefit from modification. On the basis of this discussion, Part II presents NSBA's recommendations for amending the current program and raises several key questions that can serve as a basis for dialogue in communities across America.

PART I:
Title I in Perspective

A BRIEF HISTORY OF TITLE I

Recognizing the need to help disadvantaged students achieve their full potential, Congress, in 1965, passed the Elementary and Secondary Education Act (ESEA). The ESEA was the first major federal school aid initiative and immediately altered the landscape of American education. A key component of President Johnson's War on Poverty, the ESEA soon became the cornerstone of a federal education enterprise that has, over more than three decades, broadened to encompass programs ranging from special education to educational technology (Congressional Budget Office, 1993; Vanecko & Ames, 1979).

By far the largest program created under this ambitious new legislative initiative was a program originally called Title I: Better Schooling for Educationally Deprived Children.¹ Its intent was to:

provide financial assistance...to local educational agencies serving areas with concentrations of children from low-income families; and to expand and improve their educational programs by various means ... which contribute particularly to meeting the special educational needs of educationally deprived children (PL 89-10, Section 201).

Since its inception, Title I's mission has been refined and expanded to focus even more explicitly on ameliorating the impact of poverty and, most recently, to lead states and schools toward more systemic standards-based reform. Today, at an appropriation level of more than \$8 billion, Title I dominates a \$16 billion federal elementary and secondary education budget. Annually, the program reaches more than 90 percent of school districts across the United States (U.S. Department of Education, 1999). And yet, at its current level of funding, Title I falls short of meeting the needs of many disadvantaged children who could benefit from assistance.

Poverty and School Success

Despite a prolonged period of economic growth in the United States, about one-quarter of children under six are poor, a poverty rate more than twice that for adults (U.S. Department of Health and Human Services, 1999). Research has shown that the conditions of poverty can severely reduce access to the educational supports and experiences that children need to be successful in school (Natriello, McDill, & Pallas, 1987), and that poverty — at both the individual and the school level — is strongly associated with decreased school performance. Poor children achieve at a lower level, are twice as likely to be retained in grade, and are one-third less likely to attend college than their more advantaged peers (Children's Defense Fund, 1998). The picture for minority children is even worse. Data from the National Assessment of Educational Progress (NAEP) indicate that, at

¹Title I was renamed "Chapter I" as part of the 1981 reauthorization but then regained its original name in 1994. The term "Title I" has been used throughout this paper, except in discussing research that applies specifically to the version of the program that existed during that 13-year period.

the fourth-grade level, 69 percent of African-American and 64 percent of Hispanic children are reading below the basic level (U.S. Department of Education, 1998a).

There is an equally ominous gap in achievement between students who attend high- and low-poverty schools² — the equivalent of three to four grade levels among fourth-graders (Bryk & Raudenbush, 1992; Hart & Risley, 1995; National Assessment of Educational Progress, 1995, 1997; U.S. Department of Education, 1998a; White, 1982). Indeed, data support the premise that *school-level* poverty can be an even more important factor in predicting school achievement than a student's *individual* economic conditions (Puma, Jones, Rock, & Fernandez, 1993). Thus, the 1986 National Assessment of Chapter I (Kennedy, Birman, & Demaline, 1986) concluded that the "achievement scores of all students — not just poor students — decline as the proportion of poor students in a school increases."

Clearly then, there is a strong educational and public policy rationale for focusing resources on poor children as well as children in high-poverty schools, and this has been the overriding premise of Title I for nearly 35 years. On one hand, the program is designed to funnel cash grants to school districts providing educational services to the poor, allocating the most money to financially-strapped districts burdened by the educational needs of large numbers of disadvantaged children. These grants seek to foster "financial equity" among districts with varying levels of local resources, targeting districts — and, under the current version of the law, schools — with high concentrations of poor students, regardless of their level of educational achievement. On the other hand, Title I pursues an "educational equity" goal by targeting actual educational services to low-achieving students in Title I schools, regardless of their family's income level. Not surprisingly, these students are disproportionately poor, and the targeting of more funds to higher-poverty schools also means more poor children receive services.

Another important characteristic of Title I is that it provides a funding source that allows a high degree of adaptability to local conditions. Beyond some broad guidelines, local school districts and schools have enormous flexibility to decide where and how to focus the resources they receive. That is, they decide — within limits — which schools and grades receive funds, how much they receive, the types of services that are provided to students, the content areas targeted for supplemental assistance, and the types of staff used. Consequently, the ultimate success of Title I depends upon the ability of local school administrators to determine how best to use limited program funds to serve the needs of children who are struggling to achieve academic success.

The First 30 Years — The Road to Excellence

Title I's goals and administrative focus have evolved substantially over the course of its 35-year history. Although the 1994 reauthorization provided a much-needed focus on standards and accountability, that was not the case in the early years of the program. During the program's first 15 years, it was reauthorized every three years with increasing attention to tightening the rules for

² Throughout this paper, "high-poverty" schools are defined as those in which 75 percent or more of the students are eligible for free or reduced-price school meals; alternatively, "low-poverty" schools are defined as those in which 25 percent or fewer students are eligible for subsidized school meals.

resource accountability. As a result, federal rules and regulations proliferated, and sanctions were developed for noncompliance. Strict financial regulation to ensure that funds were spent for services to Title I-eligible students substantially dominated and defined the shape of local Title I programs. Procedural requirements were also expanded to focus funding on low-income schools and the lowest-achieving students, to promote resource parity between Title I and non-Title I schools, to increase the role of parents in program design, and to ensure that Title I funds were used to supplement (not replace) local funds.

One consequence of this emphasis on financial compliance was the widespread adoption of "pull-out" programs by Title I schools, an approach that separated eligible students from their classmates and provided remedial instruction to address their educational needs. But pull-outs came under increasing fire for their lack of coordination with regular classroom instruction and, in 1978, the "schoolwide" option was introduced. The schoolwide approach allowed high-poverty schools (those with 75 percent or more low-income students) to move from assistance targeted to individual students to the use of Title I funds to bring about overall school improvement. Still, requirements for local matching funds precluded almost all eligible schools from implementing schoolwide programs.

The 1980's brought the Reagan Administration's campaign to reduce government regulation and devolve federal control to states and local jurisdictions. In 1981, Congress passed the Education Consolidation and Improvement Act (ECIA), which, while maintaining the essential goals of Title I, reduced 75 pages of federal regulations to just 14. However, like previous Title I revisions, the ECIA focused little attention on instructional issues and lacked incentives to stimulate innovation. Administrative structures and veteran personnel at both the state and district levels were well-established, and traditional Title I instructional practices (e.g., the use of pull-out instruction) continued largely as a matter of custom.

With the publication of *A Nation at Risk* (National Commission on Excellence in Education) in 1983, the debate concerning Title I shifted from its focus on fiscal compliance issues to a heightened concern for program excellence and raising student achievement. In 1988, the Hawkins-Stafford Elementary and Secondary School Improvement Act played a key role in moving Title I toward fostering overall school improvement. This legislation required greater coordination between Chapter I — as it was renamed in 1981 — and regular classroom instruction, emphasized advanced rather than basic skills, and provided the basis for increased parental involvement. It also introduced the concept of state-supported "program improvement" efforts in those areas where Chapter I students showed insufficient achievement gains. Finally, by dropping local fund-matching requirements for schoolwide programs, the 1988 reauthorization offered increased flexibility in the use of Chapter I funds, giving more high-poverty schools the option to implement schoolwide services.

IASA: Catalyst for School Reform

Unfortunately, the 1988 amendments fell short of fundamentally overhauling the quality of classroom instruction for disadvantaged children. Although some modest program changes were

made in response to the new policy direction — primarily the expansion of schoolwide programs — Chapter I did not become the intended force to drive broader school reform (Millsap, Moss, & Gamse, 1993). The 1993 National Assessment (U.S. Department of Education, 1993) concluded that:

- The progress of Chapter I participants on standardized tests was no better than that of nonparticipants with similar backgrounds and prior achievement levels;
- Students in high-poverty schools were exposed to a "watered-down" and nonchallenging curricula as compared with other students;
- Title I often worked at the margin, adding an average of only 30 minutes of extra instructional time per week;
- A focus on compliance and regulatory matters occupied much of states' and districts' efforts in administering Chapter I; and
- Many high-poverty high schools and middle schools went unserved as districts focused their funds on elementary schools, including those with lower poverty rates.

Even the program's most fervent supporters began to openly discuss the need for wholesale changes, as evidenced by a highly influential report by a self-styled "Independent Review Panel" on Chapter I made up of leading policy experts and advocates for poor and minority children (U.S. Department of Education, 1993). The report advocated a greater focus on schoolwide reform, high academic standards for all students, increased accountability for results, and a funding formula that more narrowly targeted higher-poverty schools (replacing traditional requirements that tied funds to program-eligible students).

To a degree, these ideas were reflected in the 1994 Improving America's Schools Act (IASA), which governs the program as it operates today. In particular, the IASA sought to align federal resources and policies with existing state and local school reform efforts to create more comprehensive solutions to improve instruction for all students. There are three broad programmatic themes to the 1994 legislation:

- ***Standards-based Reform.*** States are charged with establishing high content and performance standards for at least math and reading/language arts, and, in those states with standards for all students, the same standards must be used under Title I. By 2000-01, states are required to adopt multiple-measure assessment systems aligned with standards and set criteria for what constitutes "adequate yearly progress" under their assessment system. States must also establish accountability mechanisms to identify struggling districts and schools and provide supplementary assistance where necessary. While assessment systems are not required to be fully implemented until 2000-01, states are expected to adopt interim assessment systems and devise means for identifying low-performing Title I schools under the current law.
- ***Schoolwide Programs.*** The 1994 amendments also reduce the poverty-rate threshold for operating a schoolwide program, from 75 percent poverty in participating schools to 50 percent. In addition, schoolwide programs are afforded more freedom to combine funding from multiple federal programs for the purpose of upgrading the entire school.
- ***Local Flexibility.*** Finally, the 1994 law encourages local control and flexibility through the

use of consolidated applications and plans, new freedom to consolidate state and local administrative funds, and new regulatory waiver provisions. Federal officials, and some states, are given the authority to waive certain federal requirements if they interfere with school improvement. In practice, the vast majority of waivers have involved two Title I provisions — *i.e.*, those from schools with less than 50 percent poor children that seek to operate schoolwide programs and those from districts that wish to waive targeting rules in order to serve more schools.

In addition, the 1994 law promotes the philosophy that all children can succeed in mastering higher-level thinking skills; encourages the use of strategies to increase learning time (*e.g.*, before- and after-school, extended-year, and summer programs); provides for increased targeting of program funds within districts; requires professional development that prepares teachers to teach an accelerated, high-quality curriculum; and requires schools receiving Title I funds to involve *all* families (not just the parents of children targeted for assistance) in ways that help students succeed in school.

Title I Funding

Title I funds are distributed to counties, districts, and schools — generally in proportion to the number of poor school-age children in those jurisdictions — with a guaranteed minimum allocation for smaller states and adjustments favoring states with higher per-pupil educational expenditures. The formula has changed remarkably little since 1965. The most notable changes, under the current law, are the addition of the "concentration grant" formula, which targets some funds to districts with at least 15 percent (or 6,000) poor children, and a "targeted grants" formula (as yet unfunded), which further extends the new focus on high-poverty districts. In deference to political realities, the most recent reauthorization also includes "hold harmless" provisions, ensuring that districts will receive funding at a level comparable to that of the previous year. Consequently, any shifts in funding (due to formula changes favoring greater targeting) will benefit the neediest districts only on a modest basis.

Although a few districts were eliminated from the program following a 1994 amendment requiring that Title I students make up at least 2 percent of a district's enrollment, program funds remain broadly distributed. In 1997-98, 93 percent of districts received some funding — the same overall percentage as in 1987-88 — and districts in the highest-poverty quartile continued to receive the same share of funds (49 percent) as they did in 1994 (U.S. Department of Education, 1999).

Some critics argue that the Title I program's impact has been diluted by the political impetus to provide "something for everyone," but there is evidence that the IASA *has* resulted in greater *within-district* targeting of funds. Districts have traditionally targeted Title I funds to schools serving children with the highest need first. But many districts defined need in *educational* terms, selecting those schools with the lowest test scores. The IASA introduced a series of stricter targeting rules designed to ensure that increased funding will go to those schools with the highest levels of poverty (*i.e.*, those with more than 75 percent in poverty). Still, in schools providing targeted assistance, individual students continue to be selected for services based on educational need.

Prior to 1994, as many as 71 percent of public elementary schools received Chapter I funds. However, services were *not* provided to a substantial number of elementary schools —about 14 percent — in which 50 percent or more of the students were eligible for subsidized school meals, simply because these schools were located in districts with even more impoverished schools. As a consequence, many low-achieving students did not have access to the supplemental educational services they needed. In fact, in high-poverty schools, about one-third of the children who scored below the 35th percentile on standardized tests were not served by Chapter I (Moskowitz, Stullich, & Deng, 1993).

According to recent data from the U.S. Department of Education (1999), the situation has improved somewhat. The 1994 changes were successful in leading some districts to shift funds from low- to high-poverty schools or to cease funding some lower poverty schools entirely. In 1997-98, the program provided services to 58 percent of all K-12 public schools, a decline from 62 percent in 1993-94. Fully 95 percent of the high-poverty schools were funded, up from 79 percent, and 87 percent of those with at least 50 percent poor students were funded, compared with 78 percent in 1993-94. Conversely, the percentage of low-poverty (*i.e.*, below 35 percent) schools receiving funding dropped from 49 percent to 36 percent during that period.

Because so many districts have traditionally focused their funding on the early grades, the 1994 rules — which make it harder to exempt a high-poverty school at *any* grade level — have prompted a precipitous increase in the percentage of high-poverty secondary schools receiving funding (between 1993-94 and 1997-98, from 61 percent to 93 percent). These increases were occasioned by a drop in the number of *low*-poverty secondary schools served, leading to an overall decline (from 36 percent to 29 percent) in the percentage of secondary schools receiving Title I funding.

While current funding levels are inadequate to support services for *all* eligible students, there is ample evidence to indicate that, generally, Title I is reaching a diverse population of children who exhibit the greatest need. Participating students tend to be concentrated in higher poverty schools and typically have lower grades and test scores than their peers. (Kennedy, *et al.*, 1986; Puma, *et al.*, 1993; U.S. Department of Education, 1993, 1999). Although white children constitute the largest group of participants in absolute numbers, minority students are disproportionately represented in Title I programs. Data collected by the states in the 1996-97 school year indicate that Hispanic children are the fastest growing group of Title I students, and, for the first time, a higher percentage of Hispanic children than African-American children participated in Title I during the 1996-97 school year (U.S. Department of Education, 1999).

Use of Program Funds

One of the keys to understanding Title I is to recognize that it is not a “program” in the usual sense, but rather, a financial subsidy that targets resources to certain schools and children. The 1994 amendments placed greater emphasis on accountability and the achievement of state standards, but the program does not dictate how schools should achieve these results. Once schools receive their grant, they can choose to spend it with relatively few limitations. Title I funds can be used to hire staff, train teachers, purchase computers and/or software, or run parent programs. Despite this

flexibility, most schools — out of economic necessity — use Title I funds to pay the salaries of teachers and instructional aides, accounting for 70-80 percent of all program expenditures.

The National Assessment of Title I (U.S. Department of Education, 1999) found that, in 1997-98, 84 percent of principals in high-poverty schools reported using aides, as contrasted with 54 percent in low-poverty schools. Moreover, although few aides had the necessary educational background, 98 percent were either teaching or helping to teach students, and more than three-quarters spent at least some of this time teaching without a teacher present. In light of cost considerations, it is not surprising that the number of aides employed by Title I has grown much more quickly than the number of teachers. In 1996-97, the program supported about 74,700 teachers (up 3.75 percent from 72,000 in 1993), while the number of aides rose from 65,000 to 76,900 (up 18 percent over the same period) (U.S. Department of Education, 1993, 1999).

Most students participating in the Title I program receive assistance in reading and language arts. Fewer receive assistance in math, and fewer still receive noninstructional services, such as counseling, nutrition, or transportation services (Puma, *et al.*, 1993). In 1993-94, the last year of the Chapter I law, 72 percent of participating students received instruction in reading, 24 percent in other language arts, 48 percent in math, and 14 percent in other instructional areas.

Delivery of Services

Until recently, the dominant method of providing Title I services has been pull-out programs that deliver supplementary instruction to low-achieving students during the time they would have spent in their regular classes. With educators driven by custom, as well as the desire to comply with financial targeting regulations, this method of instruction remained the dominant mode of service delivery through 1994 (especially in the low- to moderate-poverty schools), despite evidence that pull-outs may not always provide the best means of teaching disadvantaged children (Glass & Smith, 1977; Leinhardt, Bickel, & Palley, 1982; Winfield, 1986, 1991; Winfield & Hawkins, 1993).

Encouraged by evidence from the literature on effective schools (Brookover, Beady, Flood, Schweitzer & Wisenbaker, 1979; Brophy, 1986; Edmonds, 1986; Levine, 1990; MacKenzie, 1983; McDill & Rigsby, 1973; Purkey and Smith, 1983; Rutter, Ouston, & Mortimer, 1979), case studies of disadvantaged schools (Venezky & Winfield, 1979), and recent evaluations of special programs for disadvantaged children (Fashola & Slavin, 1998; Stringfield, Millsap, Herman, Yoder, Brigham, Nesselrodt, Schaffer, Karweit, Levin, & Stevens, 1997), there has been growing interest in alternative service delivery methods in Title I. Most notably, the use of in-class instructional approaches has increased dramatically since the years prior to the 1994 reauthorization, from 58 percent of Title I schools in 1991-92 to 83 percent in 1997-98. Conversely, use of the pull-out model has declined from 74 percent of Title I schools in 1991-92 to 68 percent in 1997-98. But in-class instructional approaches tend to supplement, rather than replace, traditional methods. In 1997-98, over half (57 percent) of Title I schools reported using both modes of instruction (U.S. Department of Education, 1999).

The percentage of schools offering extended learning time has also increased dramatically — from 9 to 41 percent since the last reauthorization. In Title I schools offering instructional programs before or after school or on weekends, an average of 12 percent of students participate, while 25 percent participate in summer programs where they are offered (U.S. Department of Education, 1999).

Another important change since passage of the IASA has been the expansion of programs aimed at improving the whole school. Use of this option had been growing steadily since 1988, but accelerated after the 1994 amendments allowed more schools to qualify. According to performance reports submitted by states, there were 14,982 schoolwide programs in 1996-97, up from 3,903 in 1993-94.

ASSESSING THE IMPACT OF TITLE I

By design, the Title I program primarily serves students in schools with the most disadvantaged populations and targets the lowest-achieving students in the schools it serves. It is, therefore, impossible to accurately compare the progress of Title I students with that of disadvantaged nonparticipants using traditional, nonexperimental research methods. Because school districts are obligated to serve the most needy students, potential comparison groups tend to be relatively advantaged. Although sophisticated statistical techniques can be invoked to create a "synthetic control group," such techniques "are only as good as our ability to measure those characteristics that make the two groups of students different" (Puma, Karweit, Price, Ricciuti, Thompson, & Vaden-Kiernan, 1997). Consequently, the findings from Title I evaluations are, by their very nature, inconclusive. Without an experiment in which participants and nonparticipants are randomly assigned, there is simply no way to reliably assess the effect of Title I on student achievement.

The Early Years

These caveats notwithstanding, since the early 1980s, there has been a virtual wave of Title I evaluations. These include: (1) the Sustaining Effects Study (SES), based on data collected from approximately 120,000 students enrolled in over 300 elementary schools (Carter, 1984); (2) a later reanalysis of SES data (Frontera, 1985); (3) an independent replication of the SES (Gabriel, Anderson, Benson, Hill, Pfannensteil, & Stone, 1985); (4) an analysis of Title I program data (Anderson & Stonehill, 1986); (5) analyses of other existing national data by Kennedy, Birman, and Demaline (1986); (6) the *Prospects* study (Puma, *et al.*, 1997), which monitored the progress of a national sample of some 35,000 students in grades one, three, and seven for up to four years; and, most recently, (7) the national assessment of the post-1994 program (U.S. Department of Education, 1999).

The findings from these studies are mixed and, as one would expect, inconclusive, given the insurmountable methodological obstacles that researchers faced. The SES study, for example, found that the achievement gains in math and reading for Title I participants exceeded those for disadvantaged nonparticipants (but only in grades one through three), while the *Prospects* study — examining another sample of students about a decade later — found no discernable differences between the two groups. In other areas, the two studies present consistent findings. Both report evidence of a persistent learning gap between Title I students and their more advantaged peers, and both present evidence that the rate of academic progress for the two cohorts is roughly equivalent. To many, this suggests that, although Title I has not compensated for the early effects of poverty, the program *may have prevented disadvantaged students from falling farther behind*. Yet, in the absence of a true experiment, even this optimistic conclusion must be viewed as uncertain.

The Post-1994 Program

Because of the programmatic changes mandated by the 1994 reauthorization, including the stepped-up emphasis on standards-based reform/accountability, schoolwide programs, and greater local flexibility, the current program differs substantially from those that preceded it. Unfortunately, relatively little research has been conducted on the post-1994 program, particularly as it relates to the program's impact on students. In fact, because of the IASA-mandated transition to new state-specific assessment systems, there are no comparable data relating to changes in student performance during this period. The recently released National Assessment of Title I (U.S. Department of Education, 1999) acknowledges this, but argues that indirect evidence suggests promising trends in the success of disadvantaged children and high-poverty schools. In particular, the report points to recent National Assessment of Educational Progress (NAEP) data that track changes in academic achievement for national and state samples of students at selected grade levels. These data show that elementary-grade students in high-poverty schools — the primary targets of Title I — have achieved significant gains in reading and math relative to the national average between 1992 and 1996. Further, the gap between high- and low-poverty schools has been narrowed, though differences remain.

At the time the report was released, only six states had three years of consistent test-score data from new accountability systems. Students in high-poverty schools in five of the states made gains in reading, and schools in four states made gains in math. Moreover, 10 of the 13 large urban districts that reported three years of data showed improvement in at least one of the two subjects, while six reported progress in both. Finally, supporters of the current framework point out that those states quickest to adopt standards-based reforms — most notably, Texas and North Carolina — have shown the greatest NAEP gains.

Although some interpret these findings as compelling evidence of the positive impact of the post-1994 Title I program, a more cautious approach is subscribed to here. First, there is no way to identify scores for Title I participants, and, even if this were possible, comparisons to nonparticipants would suffer from the same methodological problems that have plagued prior studies. Second, many factors besides Title I contribute to NAEP achievement gains, making it very difficult to conclude that any rise (or fall) in scores is due solely to state or federal efforts to reform education. Thus, while the NAEP gains are *consistent* with a positive evaluation of Title I's impact on student achievement in the post-1994 period, they do not provide direct support for this interpretation.

WHAT WORKS?

Although the available research is equivocal concerning Title I's overall effectiveness in raising student achievement, research findings can still help guide policymakers in making the best use of Title I funds to influence specific school policies and practices. Therefore, in this section, we examine what is known about several key strategies designed to improve student achievement. These observations are not intended as a comprehensive review of the literature or as a formal attempt to statistically link educational inputs and policy options to student outcomes. Nevertheless, they do attempt to place the limited evidence about the effect of Title I on student achievement into a broader context of what we know about how to improve educational outcomes, especially for low-achieving students.

Policymakers and researchers have approached the problem of how to improve school performance from a variety of perspectives, and each has defined the question, the options for action, and the associated research agenda in different ways. We have grouped these studies into four overarching perspectives, according to their principal focus:

- ***Individual teachers and classrooms*** — The first perspective, the oldest and certainly the most well researched, emphasizes individual teachers and classrooms. This includes an enormous body of work on teacher quality, class size, curriculum content, instructional methods, and classroom practices.
- ***Individual schools*** — Another perspective seeks ways to influence individual schools through changes in school governance, school climate and culture, the adoption of schoolwide approaches to curriculum and instruction, and changes to school policies.
- ***Standards and systemic reform*** — The third, and newest, perspective focuses on systemic reform that seeks broader changes at the state and district level in the organization and governance of education systems, including incentives for improvement by students, teachers, and schools.
- ***Beyond the traditional school*** — A final perspective goes beyond the "traditional" school to add or expand such initiatives as preschool instruction, efforts to increase parental involvement, and increased opportunities for extended learning time.

Teachers and Classrooms

Schools are complex institutions with a variety of stakeholders, numerous organizational structures and procedures, and a multitude of interactions among them. Given this complexity, it is not surprising that the most common reforms involve curriculum- or instructional-based initiatives that need not be implemented systemwide, can often operate autonomously within a single classroom, and emphasize student learning. As would be expected, the literature on these types of changes is vast, covering at least the last four decades, and has evolved to keep pace with various

waves of school reform. The discussion below examines a few of the more prominent themes enriching the current policy debate.

Challenging Instruction for All

Until recently, it has been conventional wisdom that most children should be taught using a hierarchical model of instruction, in which it is assumed that basic skills, such as simple arithmetic computations, must be firmly in place before higher-order skills, such as problem solving, can be taught. As a consequence, most instruction targeting low-achieving students has traditionally emphasized the remediation of basic skills (Allington & McGill-Franzen, 1989). However, this approach has been criticized on the basis of recent research findings indicating that (a) all children can benefit from a range of learning activities, including tasks that focus on problem-solving skills (Knapp & Shields, 1990; Knapp & Turnbull, 1990), and (b) there is an association between consistent higher-order classroom instruction and greater student achievement (Rutter, *et al.*, 1979; Mortimore, Sammons, Stoll, Lewis, & Ecob, 1988; Stringfield & Teddlie, 1988; Teddlie, Kirby, & Stringfield, 1989).

Focusing on low-achieving students, the *Prospects* study (Puma, *et al.*, 1997) found a significant relationship between higher student achievement and a balanced emphasis on remedial and higher-order skills in classroom instruction. In a classroom observation study of Title I teachers, Crawford (1989) reported that greater achievement for Title I students was associated with the use of task-oriented teaching that avoided classroom disruptions, the use of academically challenging materials, and asking more "opinion" rather than simple factual questions. Another study of 140 classrooms in 15 schools across the country by Knapp, Shields, and Turnbull (1992) found that instruction for disadvantaged children that emphasizes reasoning and problem solving is more effective at teaching advanced skills, at least as effective at teaching basic skills, and better at engaging students in learning. Finally, preliminary data from an ongoing, federally-funded longitudinal study of 71 high-poverty schools, presented in the recent National Assessment of Title I (U.S. Department of Education, 1999), also suggest that certain instructional strategies produce better results in Title I classrooms. Those strategies include more total exposure to reading across content areas, opportunities for discussion in small groups, and an emphasis on understanding and problem solving in math.

Much of this guidance contrasts with the typical pattern in Title I, at least through the 1994 reauthorization, in which services were largely provided to individual students, typically in pull-out mode. This review, although limited, suggests that much can be done to improve student learning by focusing on educational practices *within* the classroom. That is, improvements to the everyday experiences of students would seem to have a more profound effect on their ability to learn than changes to the small segments of time spent in remedial classes. The 1994 amendments acknowledge this and, thus, promote reform strategies affecting the whole school.

Teachers Matter

Attention is increasingly focused on the quality of the nation's teaching staff (Riley, 1999). In particular, the new drive to raise standards and toughen accountability systems has significantly raised the pressure on teachers. Teachers are being asked to incorporate rapidly developing educational technologies into their classrooms, while, at the same time, they are facing a growing diversity among their students and increasing numbers of students with limited English proficiency (U.S. Bureau of the Census, 1997). Yet new survey data from the National Center for Education Statistics (NCES) indicate that relatively few teachers report feeling well prepared to deal with any of these new challenges (Lewis, Parsad, Carey, Bartfai, Farris, & Smerdon, 1999). Given their key instructional role, it is crucial that policymakers be guided by what researchers have learned about teachers in recent years.

Teacher skills matter. Recent efforts to estimate the "value added" effect of teachers on student test scores in Tennessee have yielded three important conclusions: (1) some teachers are consistently effective in achieving positive gains in student test scores, while others are not; (2) the effect of teachers (both positive and negative) on test scores is cumulative over time; and (3) teacher effects are substantial for all students, especially those achieving at the lowest levels (Sanders & Rivers, 1996; Wright, Horn, & Sanders, 1997). Similar results have been reported by researchers in Dallas and Boston (Haycock, 1998).

Attempts to measure the characteristics of "effective" teachers have been seriously limited by the available data. However, researchers have found positive relationships between students' test scores and teachers' own scores on standardized exams (Ehrenberg & Brewer, 1994, 1995; Ferguson, 1991; Greenwald, Hedges, & Laine, 1996). Other researchers (Ferguson & Brown, 1998) report a strong relationship between students' scores and teachers' literacy skills.

Researchers also report a strong association between student achievement and teachers' training in specific subject areas (Goldhaber & Brewer, 1996). For example, students taught by teachers with an undergraduate or graduate degree in mathematics or science score higher in those subjects on standardized exams (Brewer & Goldhaber, 1996; Goldhaber & Brewer, 1996). Yet, in 1994, over one-third of public elementary school teachers, and nearly half of those in high-poverty schools, were teaching out-of-field (Ravitch, 1999).

Teacher supply is a constraint. Concerns about teacher quality have been further heightened by the realization that, in the next decade, there will be an estimated need for more than two million new teachers (Haselkorn, 1997; National Commission on Teaching and America's Future, 1996), and this estimate may be low if the push to lower class size really takes hold. Two approaches to increasing supply are (a) to change existing pay scales or (b) to alter the requirements for entry into the profession. With regard to the first approach, Murnane and Olsen (1989) found that highly-compensated teachers are more likely to remain in the field, although that is less true of math and science teachers who have private-sector alternatives. There is also some evidence that districts paying higher salaries are more able to recruit higher-quality teachers (Figlio, 1997), but other research suggests that even when they are able, districts may not always select the best teachers (Ballou & Podgursky, 1998). Although there is increasing interest in the use of differential

compensation, we know very little about the effect of policies that reward the most effective teachers or those that base teacher pay on knowledge and skills (Drury, 1999; Odden & Kelley, 1997). It is clear, however, that current compensation policies, which reward teachers for years of service and the number of academic credits beyond a bachelor's degree, are poorly aligned with achievement objectives. With regard to the second approach — changing the requirements for becoming a teacher — several states have already begun to explore alternatives to current licensing procedures. Researchers find little evidence of a relationship between traditional teacher certification policies and productivity (Ballou & Podgursky, 1998), and, though some express concern that alternative certification programs may have adverse consequences for teacher quality, others report that these programs result in greater diversity (Shen, 1998; Villegas & Clewell, 1998).

Professional development is critical. In addition to attracting and retaining the best individuals, schools must confront the need to upgrade and maintain the skills of their existing staff. Unfortunately, professional development has typically been a low priority in most districts, and recent data indicate that teachers, on average, receive one day or less of training per year (Lewis, *et al.*, 1999). Although the literature on professional development offers relatively little information concerning its effect on student achievement, there are some indications that high-quality training — where activities are intensive and extend over long periods of time — can positively affect instructional practice (Ball & Rundquist, 1993; Corcoran, Shields, & Zucker, 1998; Heaton & Lampert, 1993; McCarthy & Peterson, 1993; Wiley & Yoon, 1995; Wilson, Miller, & Yerkes, 1993). Most recently, a study by Cohen and Hill (1998) in California found that professional development is likely to have the greatest effect on student achievement when it is closely aligned with expectations and standards, curriculum, and student assessment systems. But, research findings also indicate that one-shot or short-term professional development activities are unlikely to have significant lasting effects on classroom behavior. According to Corcoran (1995), high-quality professional development should include: (1) opportunities for “joint work” (such as team teaching and school curriculum committees) that foster greater interdependence among teachers; (2) teacher networks that create professional communities and opportunities to share knowledge; and (3) better collaborations between schools and universities. Collaborative work and greater interdependence may also give rise to professional norms governing individual behavior, thus increasing teacher accountability (Drury, 1999).

There is a strong consensus, then, that efforts to build the capacity of teachers must be the cornerstone of any school reform process (Cohen, 1994). As Elmore and McLaughlin (1988) observed more than a decade ago, “administrative decisions can reflect policy more or less accurately and can set the conditions for effective practice, but [can not] control how teachers will act in the classroom at a given point.” Teachers represent the critical link between theory, change in practice, and the impact of educational policies on student learning. Because disadvantaged children are often taught by the least effective teachers (Haycock, 1998),³ the need to build teachers' capacity in high-poverty schools is especially great.

³ For example, Ferguson and Brown (1998) report that individuals scoring lower on state exams in Texas are more likely to teach in districts with high proportions of black students.

Smaller is Better⁴

As districts struggle to identify the most appropriate strategies for raising student achievement, class-size reduction (CSR) has emerged as an increasingly popular alternative. The strongest evidence for CSR to date is an experiment commissioned in the late 1980s by the Tennessee legislature, known as the Student-Teacher Achievement Ratio (STAR) study. In the STAR experiment, students and teachers in 79 Tennessee schools were randomly assigned to three types of classes: (1) small classes with 13-17 students; (2) regular classes with 22-25 students; or (3) regular classes with a full-time teacher's aide. The study continued for four years — kindergarten through third grade — and achievement data on both criterion- and norm-referenced tests were collected each year. Researchers reported significant test-score gains for students enrolled in smaller classes, across all subject areas and for each year of the experiment, but found no effect associated with the addition of a teacher's aide. The observed gains were most pronounced for minority and underprivileged students (Finn & Achilles, 1999).

A recent reanalysis of the STAR data, applying a more sophisticated statistical approach that addresses several design problems in the original study, supports these basic conclusions. However, the reanalysis also suggests that the main benefit of CSR manifests itself by the end of the first year of a child's exposure to small classes. Researchers have interpreted this as evidence that there is a one-time school socialization effect due to small classes that raises the level of a student's achievement in the first year, followed by smaller positive effects in subsequent years (Kruger, 1998).

Although the impact of CSR on achievement seems to decline after a child's first year of exposure to small classes, recent studies demonstrate that the cumulative benefits of small classes are persistent. For example, the latest round of STAR research — which follows subjects through secondary school — has found that students originally assigned to small K-3 classes are more likely to have college aspirations, as evidenced by their higher rate of participation in college entrance examinations. Consistent with previous STAR findings, this difference is most pronounced for minority students and for those eligible for free or reduced-price lunch (Kruger & Whitmore, 1999). These latest analyses also suggest that, compared with their peers assigned to regular-size classes, students exposed to small K-3 classes complete more advanced coursework in secondary school, have lower dropout rates, are more likely to graduate on schedule, and are more likely to graduate in the top tenth of their classes (Pate-Bain, Fulton, & Boyd-Zaharias, 1999).

Other recent studies lend further support to the STAR findings. Examining fourth- and eighth-graders' performance on the National Assessment of Educational Progress (NAEP), one investigation concludes that students in small classes — defined as fewer than 20 students — perform better than those assigned to regular-size classes, even after controlling for other factors that might influence test scores. According to the study, students assigned to smaller classes can expect to progress at a faster rate than those assigned to larger classes — 33 percent and 12.5 percent faster for fourth- and eighth-graders, respectively. Even more striking, fourth-graders assigned to smaller classes in inner-

⁴ This section is adapted from Waymack and Drury (1999).

city schools can expect to progress 75 percent faster than their peers in larger classes (Wenglinsky, 1997).

New findings from Wisconsin's Student Achievement Guarantee in Education (SAGE) program also attest to the effectiveness of class-size reduction. The SAGE program — which targets schools with 50 percent or more of their students in poverty — limits class sizes to 15 for grades K-3. A recently published study evaluates data from two years of the program's four-year phased implementation. (The program began in 1996 with kindergarten and has expanded each year to include additional grades.) According to the study, first-grade students in SAGE classrooms significantly outperformed their counterparts in other classrooms. While the advantage associated with smaller classes did not grow in second grade, neither did it decrease. Equally important, because the effect was strongest for African Americans, the black-white achievement gap narrowed in SAGE classrooms, while it widened in those classrooms unaffected by the program (Molnar, Smith, Zahorik, Palmer, Halbach, & Ehrie, 1999).

On balance, the findings from the STAR experiment, as well as those from more recent investigations, suggest that significant class-size reduction is likely to yield positive effects on student achievement, especially in the early elementary grades and for minority students. Yet, it is important to keep in mind that smaller classes can be achieved only at a substantial cost. The principal costs fall into three categories: (1) salaries for additional teachers; (2) the cost of building new or expanding existing facilities; and (3) operational costs, including the cost of classroom equipment and support staff. If, however, smaller classes result in less student retention, fewer children with special education needs, or early detection of learning disabilities, these costs may be offset, at least in part, by reductions in future expenditures.

Large-scale CSR initiatives also raise concerns about the potential difficulty in finding and recruiting qualified teachers to meet the new demand for professional staff, especially in light of our earlier remarks about teacher-skill deficiencies. Indeed, a recent study of California's class-size reduction program reports significant problems in implementing large-scale initiatives of this type, at least in the short term and particularly in high-poverty districts (Stecher & Bohrnstedt, 1999). Poor and minority districts were the slowest to implement the changes; many schools were forced to use space originally set aside for other functions; some districts (*e.g.*, those serving large numbers of disadvantaged students) had to dip into other resources to obtain funding; and, as more teachers were hired, the overall preparedness of staffs declined, especially in poor and minority schools.

It is important to emphasize that class-size reduction is just one of several approaches to increasing student achievement, not an end in itself. In allocating scarce resources, policymakers should always compare the costs and benefits of alternative reform strategies, and CSR is no exception. Still, based on the evidence presented here, flexible, targeted class-size reduction programs — particularly those aimed at disadvantaged children in the early elementary grades — seem likely to produce significant achievement gains and may also contribute to a reduction in the performance gap separating advantaged and disadvantaged students.

Educational Technology

The growing global importance of information technology has spurred a rapid increase in the use of computers in American schools, from one for every 125 students in 1983, to a computer for every nine students in 1995 — some schools even have one computer for every two students (Glennan & Melmed, 1996). As of 1998, three-fourths of all classrooms had at least one computer designated for instructional use (Technology Counts, 1998). In addition, about 89 percent of *schools* now have Internet access, up from only 35 percent in 1994, and 51 percent of *classrooms* have such access, up from 27 percent in 1997 (National Center for Education Statistics, 1999). Moreover, earlier differences in access between high- and low-poverty schools appear to have been eliminated, although differences in classroom-level access still exist. Given these statistics, it is not surprising that, in 1998, 42 states invested in education technology, with funding varying from \$500,000 in Vermont to \$230 million in California (Technology Counts, 1998). Title I represents an important source of funding for this technological expansion. Indeed, Title I funds have paid for a significant portion of the computers now in use in high-poverty schools. Since the implementation of the E-rate — a federal initiative that provides crucial discounts on telecommunications and Internet technologies to disadvantaged elementary and secondary schools — the purchasing power of Title I dollars has increased significantly. In its first year, E-rate funding for schools and libraries totaled \$1.1 billion and is expected to reach \$2.2 billion in 1999-2000.

Those who advocate greater use of technology in the classroom argue that America's schools should be transformed into electronic learning centers, increasing both the efficiency of classroom instruction and student motivation to learn (American Association of School Administrators, 1996; Glennan & Melmed, 1996; Means & Olson, 1995). Others, however, express concern about the unequal educational access to technology, particularly in schools with high concentrations of poor and minority students (Coley, Cradler, & Engel, 1997). For now, anyway, black, poor, urban, and rural students are less likely to have access to a home computer, be exposed to higher-order uses of computers in school, and have teachers who have the necessary training in technology (Wenglinsky, 1998).

Of equal concern is the fact that too many teachers are either unwilling, or untrained, to use the new forms of technology (Becker, 1990; Cuban, 1993; National Academy of Science, 1995; Technology Counts, 1998) and that relatively few teachers use computers for a significant part of their daily instruction. As a consequence, many emphasize the need to build greater capacity in teaching and more fully integrate technology into pedagogy (Brown, 1997; Office of Technology Assessment, 1995; Coley, *et al.*, 1997; National Council for Accreditation of Teacher Education, 1997; Solmon, 1998). Studies indicate that it is not simply access to technology that is important, but rather, how teachers use it as a tool to enhance learning (Thompson, Simonson, & Hargrave, 1996). For example, a recent study on the use of computers for math instruction found that students of teachers who used computers for higher-order teaching in math did better on the NAEP tests, but students whose teachers used the computers for "drill and practice" of basic skills did worse (Wenglinsky, 1998).

Other research on the impact of new technology on student learning suggests additional advantages. The Apple Classrooms for Tomorrow (ACOT) Project (Dwyer, 1996), which has been

implemented in hundreds of classrooms, has reported positive impacts on student attitudes, motivation, and learning. Means and Olson (1995) conducted case studies of modern technology in very disadvantaged schools and found higher levels of teacher-reported increases in student motivation and learning. The Center for Applied Special Technology (1996) reported positive effects on student learning from the increased availability and use of the Internet for classroom instruction. Finally, Mann, Shakeshaft, Becker, & Kottlamp (1999) examined West Virginia's Basic Skills/Computer Education (BS/CE) program and reported that the effective use of learning technology has led directly to significant gains in math, reading, and language arts skills. The program's 10-year history makes it the nation's longest-running state program for the implementation of technology in education. The findings were particularly positive for low-income and rural students and for children without computers at home.

Realizing the need for a greater understanding of how, and under what circumstances, technology can be used to improve student achievement, the President's Committee of Advisors on Science and Technology (PCAST) issued a 1997 report on the use of technology to strengthen K-12 education. As part of that report, the committee recommended a broad research agenda, including empirical studies to determine which approaches to the use of technology are most effective.

Individual Schools

As has been noted previously, the past two reauthorizations have moved the focus of Title I more in the direction of those reforms with the potential to impact the *whole* school, as opposed to traditional programs, which have specifically targeted Title I students (e.g., pull-out programs). Although such schoolwide programs have been sanctioned under Title I since 1978, they were rarely implemented until the 1988 Hawkins-Stafford Amendments removed the requirement that districts provide matching funds. More recently, the 1994 Improving America's Schools Act further expanded this Title I option by lowering the poverty threshold for participating schools — from 75 percent of enrolled students to 50 percent. In many major urban school districts, this change allowed essentially all Title I schools to implement schoolwide programs.

Schoolwide Programs

Much of the impetus for the idea of schoolwide reform comes from work identifying various characteristics of effective schools, including: strong instructional leadership; a clear academic focus and high student expectations; a dedicated and highly motivated administrative and teaching staff; an orderly and disciplined school environment; and a positive school climate, particularly one that emphasizes a community spirit. Subsequent studies (Bryk, Lee, & Holland, 1993; Coleman & Hoffer, 1987; Coleman, Hoffer, & Kilgore, 1982; and, Puma, *et. al.*, 1997) corroborate these early findings and suggest that effective schools are places in which administrators and staff are actively engaged as a learning community continuously seeking ways to raise student achievement (Drury, 1999; Shields, Anderson, Bamburg, Hawkins, Knapp, Ruskus, Wechsler, & Wilson, 1995). Similarly, research on the attributes of successful high-poverty schools (Ragland, Johnson, & Lien, 1997) indicates that these schools share (a) an unwavering focus on the mission of improving

academic achievement that forms the basis for every decision, (b) a "no excuses" attitude and an eagerness to experiment with new approaches, and (c) a strong "sense of ownership" throughout the school community.

Despite the broad use of Title I schoolwide programs, there is relatively little information available on the impact of this approach on student achievement, and most of what is known comes from Title I evaluations that predate the 1994 reauthorization (Pechman & Fiester, 1994). A special reanalysis of pre-1994 data, commissioned for this report (Puma & Price, forthcoming), indicates that students in high-poverty Chapter I schools choosing the schoolwide option failed to demonstrate greater achievement gains in reading or math than Chapter I students receiving targeted assistance (e.g., through pull-out instruction). However, *before 1994*, most schoolwide programs were limited to one or more isolated aspects of participating schools' educational programs, such as the acquisition of new technology or the introduction of math manipulatives, and only rarely emphasized a comprehensive approach involving the articulation of multiple facets of a broader educational program.

Comprehensive School Reform

Passage of the Comprehensive School Reform Demonstration (CSRD) initiative in 1997 has helped spur the rapid growth of more comprehensive approaches to school reform. Commonly referred to as "Obey-Porter" (after its Congressional sponsors), the CSRD program provides \$150 million each year to assist schools with the implementation of research-based whole-school reforms (grants are available for up to \$50,000 per year for three years). The initial legislation listed 17 programs as examples of effective comprehensive school reform models. The more common models, plus those developed by the New American Schools Design Corporation (NASDC) — a nonprofit foundation funded by corporate America to develop and implement "break the mold" school reforms — are presented in the box on page 20.⁵ As of the 1998-99 school year, about 2,500 schools had received CSRD grants.

Thus far, evidence of the effectiveness of these comprehensive school reforms is either unavailable or inconclusive, demonstrating the need for more independent and rigorous evaluations. For example, evaluations of the Comer model by its developers at Yale University have, for the most part, been based on simple comparisons of Comer students with "comparable" students in the same district. Similarly, evaluations of Success for All (SFA) — undertaken by staff of Johns Hopkins University — have relied almost exclusively upon comparisons with students enrolled in so-called "matched" schools. Although these evaluations have produced evidence of higher achievement among program participants — as well as evidence that the lowest-achieving students exhibit the highest gains (Fashola & Slavin, 1998; Madden, Slavin, Karweit, Dolan & Wasik, 1993; Slavin, Madden, Karweit, Dolan & Wasik, 1992; Slavin, Madden, Dolan, Wasik, Ross, Smith & Dianda, 1996; Slavin, Madden, Karweit, Livermon, & Dolan, 1996) — there is a critical need for additional study, employing more sophisticated research designs. Recent investigations of the effectiveness of the new NASDC initiatives are equally limited. Fashola and Slavin (1998) report some early positive results for Slavin's Roots and Wings program, based on test-score comparisons

⁵ Other comprehensive school reform models are described in Herman, Aladjem, McMahon, Masem, Mulligan, O'Malley, Quinones, Reeve, and Woodruff (1999) and U.S. Department of Education (1998b).

Comprehensive School Reform Models

- **Success For All (SFA)** — Developed by Slavin and his associates at Johns Hopkins University (Madden, *et al.*, 1993; Slavin, *et al.*, 1996), SFA uses specific curricula and instructional methods to improve the reading ability of students in the early grades. A variety of techniques are used, including preschool, extended-day kindergarten, one-to-one tutoring, and cooperative learning.
- **Comer School Development Program (SDP)** — Developed by James Comer at Yale University (Haynes & Comer, 1991, 1993), SDP replaces traditional school organization and management with a collaborative school governance and management team, integrates social services (especially school-based mental health), and enhances parent involvement. There is no defined curriculum or instructional component.
- **Paideia** — A philosophical restructuring model that focuses on the use of challenging instructional material, didactic instruction, coaching, and weekly "Socratic seminars" (Adler, 1983).
- **Coalition of Essential Schools** — A broad school restructuring model that specifies principles of reform and leaves implementation to local school administrators and staff (Sizer, 1983, 1984).
- **Accelerated Schools** — Another philosophical approach that does not prescribe a particular method of instruction or curriculum but rather proposes a set of principles that seek ways to accelerate, rather than remediate, the learning of disadvantaged students (Levin, 1987, 1991).
- **ATLAS Communities** — Based on a collaboration of four whole-school reformers — James Comer, Howard Gardner, Theodore Sizer, and Jane Whitla — and funded under the New American Schools program (as are the other six described below), ATLAS features coordination among elementary, middle, and high school systems to achieve continuous experiences for students, active participation of students in their own learning, a model of student as "worker" and teacher as "coach," and the use of alternative forms of student assessment.
- **Audrey Cohen College System** — An approach that emphasizes learning directed to a purpose that contributes to the community or the world at large.
- **Co-NECT** — Developed by the technology firm of Bolt, Beranek, and Newman, Co-NECT focuses on interdisciplinary projects that incorporate technology to connect students with scientific investigations, information, and other students.
- **Expeditionary Learning/Outward Bound** — Focuses on the use of learning expeditions using active learning, challenge, and teamwork.
- **Modern Red Schoolhouse** — Developed by the Hudson Institute, this approach emphasizes the "core curriculum" developed by E.D. Hirsch and makes extensive use of technology in instruction and knowledge assessment.
- **National Alliance for Restructuring Education** — A partnership of states, school districts, and national organizations that seeks to achieve the goals of systemic reform.
- **Roots and Wings** — Developed by Slavin and his colleagues at Johns Hopkins University, this model incorporates many of the elements used in Success for All (see above) but extends the focus to include mathematics, social studies, and science.

between students in the demonstration schools and all students in the state. And, Ross, Sanders, and Stringfield (1998) report some preliminary data showing positive increases in the rate of growth in student achievement for students in 25 Memphis schools that are implementing six of the NASDC designs, as well as the Accelerated Schools and Paideia models. However, findings are not disaggregated for individual models, and there is reason to suspect that the self-selection of highly effective teachers into reform schools may have skewed the results. Thus, while comprehensive school reform programs seem to offer a more effective approach than schoolwides that focus on just one or two aspects of schooling, we still have much to learn in this area.

Standards and Systemic Reform

The first wave of interest in "systemic" change in American education came after the 1983 release of *A Nation at Risk* (National Commission on Excellence in Education, 1983), which highlighted the low test scores of American students relative to those of their international counterparts. In part, the report blamed poorly trained teachers and low standards of acceptable student work for the "rising tide of mediocrity" in American schools, and as a result, states began reforming their systems — creating tougher graduation requirements, longer school days, and more concentrated teacher training. When test scores did not rise sufficiently to declare an "educational victory," a second wave of reform began that relied on organizational theory to suggest increased attention to decentralization and site-based management. Most recently, these ideas have been supplemented by the concept of "standards-based" reform, which forms the foundation upon which the 1994 Title I reauthorization was built.⁶ But, as Drury (1999) points out in a recent book on

⁶ Another wave of systemic reform — beyond the scope of this report — aims to replace traditional governance structures with market mechanisms, thereby shifting power from public governmental agencies to parents (Chubb & Moe, 1990; Clune & White, 1990). Advocates of such "school choice" reforms believe that parents, having the ability to "vote with their feet," will provide the necessary incentives to drive school improvement, thus eliminating the need for complex government accountability systems. Several models of choice have been proposed and implemented, including vouchers, magnet schools, within-district choice, charter schools, and privatization. The models differ operationally, but all seek to use parental choice to leverage school reform using a private-sector model of producers (schools) and consumers (parents). Advocates further contend that greater choice would result in a more efficient use of resources and increased student achievement. Unfortunately, studies evaluating choice models have focused almost exclusively on this latter issue and have failed to address the much broader issue concerning the role of choice in reforming the existing system. Even within the narrow range of existing studies, there is little evidence to suggest that choice is associated with higher student achievement. The two major tests of vouchers, in Cleveland and Milwaukee, have revealed only marginal differences in performance between voucher recipients attending private schools and their counterparts in the public schools. Other evidence on the performance of charter schools in California (Walsh, 1998) suggests that these new schools are not being held accountable for student performance. And, finally, the leading examples of privatization — Minneapolis, Minnesota (Public Strategies, Inc.), Wilkesburg, Pennsylvania (Alternative Public Schools, Inc.), Baltimore, Maryland and Hartford, Connecticut (Education Alternatives, Inc.), and the Edison Project, which now manages nearly 50 schools — have yet to be rigorously evaluated.

school-based reform, "setting standards without giving schools (and school districts) the resources to become rational, productive organizations is an exercise in futility." What, then, do we currently know about the impact of standards-based reform and tougher accountability systems on student learning? And, what kinds of resources and technical assistance do school districts require in order to achieve the new high standards of learning?

Raising the Bar: Standards-Based Reform

Standards-based reform looks beyond the individual school to change the entire system of education through: (1) development of challenging academic standards and achievement expectations for all students; (2) alignment of policies and practices with these standards (including curriculum, assessment, professional development, instructional materials, and parental involvement); (3) strengthening of governance systems to support greater flexibility and innovation at the school level (*e.g.*, giving schools the capacity and incentives to create effective strategies for preparing their students to learn the new standards); and (4) implementation of accountability systems with appropriate incentives and sanctions tied to the achievement of expected standards of performance (Smith & O'Day, 1990). Although many states had already taken the first steps toward the implementation of these ideas, the IASA sharply accelerated the process by, in effect, requiring states to adopt standards and aligned assessments as a condition for participation in Title I. Most now have in place "content standards" that identify what students should learn in particular subject areas, but fewer have developed "performance standards" that clearly identify what students should know and be able to do (Council of Chief State School Officers, 1998a; McLaughlin, Shepard, & O'Day 1995).

While states, districts, and schools have begun to implement standards-based reform, some observers have questioned its underlying assumptions. First, as Weiss (1999) notes, the "theory [of standards-based reform] is exceedingly thin, specifying overall goals, but providing little guidance on how to go about meeting those goals." Second, there are legitimate concerns that because of the quality of teachers in high-poverty schools, disadvantaged students will not receive adequate support to reach the new standards. Third, such broad policy changes have rarely been found to exert a significant influence on student learning (Wang, Haertel, & Walberg, 1993), and top-down reforms have a poor track record in altering educational practice (Elmore, 1994). Some even suggest that increased centralization will create a greater focus on regulatory compliance, derailing local innovation and reducing sensitivity to local educational needs (Knapp, 1997). Finally, lack of local capacity for reform can be an inhibiting factor (O'Day, Goertz, & Floden, 1995), as suggested by a recent study demonstrating that high-poverty districts face greater impediments to implementing standards-based reform (Hannaway & McKay, 1999). In particular, there is evidence to indicate that broad, integrated reforms are difficult to implement (Zucker, Shields, Adelman, Corcoran & Goertz, 1998), and that as school innovations spread from their initial "laboratory" they tend to "lose their steam" (Elmore, 1994). Reforms are less likely to encounter the initial level of support, enthusiasm, and commitment that made them successful as pilot programs, and later adopters often face substantially more difficult circumstances that can increase the challenge of making an innovation

work successfully.⁷ *Collectively, these concerns point to the need for an expanded capacity at the district and school levels, a theme which is developed further below (see "Building Capacity").*

Creating Incentives: Accountability Systems

A key component of standards-based reform is the use of student performance assessments and other indicators to evaluate productivity. Proponents of better accountability argue that if schools are focused on results and given incentives to achieve desired levels of performance, the goal of higher student achievement will ultimately be realized (Hanushek, 1996a, b). Indeed, the Title I law explicitly gives states responsibility for providing technical support to struggling schools and districts and gives the federal government the authority to oversee states' implementation of this scheme. However, many observers — particularly advocates for disadvantaged children — have been highly critical of these efforts, at least in their early stages of implementation (Citizen's Commission on Civil Rights, 1998).

Most traditional state and district accountability systems — like the traditional accountability system for Title I — have focused on inputs (not outcomes), and have taken a regulatory approach using a centralized system of rules and punishments for noncompliance. But such regulatory models have several drawbacks: (1) they assume that there is a known "best" way to achieve desired goals; (2) they are costly to administer; and (3) if poorly implemented, they can prevent the adoption of effective practices. A good example of this latter type of failure is the widespread adoption of Title I pull-out instruction in response to tightened regulatory compliance. Given the inherent deficiencies of the regulatory approach, many argue that it makes more sense to give local decision makers the freedom to choose their own strategies. Because education is a highly decentralized activity — teachers working individually in their classrooms — the potential for creating effective prescriptive regulations to improve student achievement is severely limited.

⁷ The evidence on the effectiveness of systemic reforms is limited. However, there are some indications of a possible impact on student achievement, often linked to high-quality professional development. Most recently, Cohen and Hill (1998), in a study of standards-based reform in California, reported that: (1) providing teachers with opportunities to learn about standards-based reform increases their knowledge; (2) when these opportunities are tied to the curriculum that students are expected to learn, teachers change their teaching practice; and (3) when student assessments are consistent with teacher training and the curriculum, student achievement scores increase. Studies of the California eighth-grade writing assessment program also appear to indicate positive improvements, both in what teachers do in their classrooms and how students perform when adequate investment is made in teacher capacity building and professional development (Herman, 1997). Similar, albeit modest, results were reported by Zucker, *et al.* (1998) in their evaluation of the State Systemic Initiatives (SSI) sponsored by the National Science Foundation, but the effects were uneven across the different SSI locations (Knapp, 1997). Finally, research by Grissmer and Flanagan (1998), suggests that the recent NAEP gains in North Carolina and Texas between 1990 and 1997 may be linked to several changes introduced by both states, including: the alignment of standards, curriculum, and assessment; the existence of school accountability systems; and support from the business community in making systemwide changes. Taken together, these findings demonstrate that standards-based reform can yield higher performance on the material that students are expected to learn, but that the role of teachers and their training are critical components of the process by which such gains are realized.

Although new accountability systems are growing in popularity (see the box below), recent studies of their implementation in 10 states (Elmore, Abelman, & Fuhrman, 1996; Massell, 1998) reveal a number of issues that affect successful implementation: (1) determining how to measure student performance, especially the choice of an appropriate test of achievement; (2) deciding what constitutes "good" and "bad" performance and satisfactory progress; (3) making appropriate adjustments to school scores for differences in the types of students enrolled; (4) developing procedures to avoid perverse incentives (e.g., teaching to the test, exclusion of certain children, etc.); (5) making the accountability system fair, both in appearance and in substance; (6) developing sufficient capacity to implement remedies for poor-performing schools; and (7) finding ways to motivate the schools in the "middle of the distribution," where less attention has traditionally been directed.

The New Accountability Systems

Fuhrman (1999) identifies several characteristics of the new accountability systems springing up under the influence of standards-based reforms:

- ***A focus on performance*** — Increasingly, performance is measured by student test scores or graduation rates, rather than compliance with regulations.
- ***Schools as the unit of improvement*** — With performance data reported at the school level, changes can be made that are more likely to improve student outcomes.
- ***Inspection*** — Accountability systems are increasingly focused on teaching and learning outcomes and practices, requiring new forms of inspection, such as peer visits, instead of document reviews and central office visits.
- ***More accountability categories*** — Schools no longer pass or fail, but are assessed along more fine-grained scales that permit more detailed tracking of progress — noting, for example, the progress made by children at different levels of the performance distribution — and making it easier to target assistance to turn around poorly performing schools.
- ***Public reporting*** — Currently, 47 states require "report cards," and 39 do so at the school level (Council of Chief State School Officers, 1998b), to help drive school reform through increased public scrutiny. Many states publish test scores on the Internet.
- ***Consequences attached to performance*** — In addition to public attention, states are increasingly providing monetary rewards (or other forms of recognition) for schools meeting or exceeding performance targets.

Examining the effectiveness of the new accountability systems, Clotfelter and Ladd (1996) report higher pass rates in reading and math in the Dallas schools, where reward systems have been instituted for higher-performing schools. The authors caution, however, that deciding how much of the observed difference is attributable to the new systems is "hard to assess." Similarly, in a recent study of California schools, Herman (1997) acknowledges that assessment practices are not the sole

factor subject to change, making it hard to disentangle the effects of testing from significant investments in teacher capacity building and professional development. An earlier study, by Shepard, Flexer, Hiebert, Marion, Mayfield, and Weston (1995), which examined the Maryland comprehensive performance assessment system, reported no student achievement gains attributable to the testing program in reading and only small gains in mathematics. But these tests were administered *before* standards and curriculum reforms were implemented. The authors of the Maryland study note that "performance assessments...did not automatically improve student learning...[and that]...when teachers' beliefs and classroom practices diverge from new conceptions of instruction, it may be more effective to provide staff development to address those beliefs and practices directly." Thus, these authors conclude that, while "performance assessments are a key element in instructional reform, they are not by themselves an easy cure-all."

Perhaps the most compelling evidence to date in support of the new accountability systems is contained in a recent report by the National Education Goals Panel (Grissmer & Flanagan, 1998). Annually, the Goals Panel tracks and reports on some 33 indicators linked to the eight National Education Goals. In its 1998 report, two states — North Carolina and Texas — stood out for realizing positive gains on the greatest number of indicators, including the largest average gains in student scores on the tests of the National Assessment of Educational Progress (NAEP) administered from 1990 to 1997. After discounting various competing explanations, the study concluded that "the most plausible explanation for the test score gains" is found in the educational policy environment of the two states. Especially relevant in this context are three key elements of those policies: (1) accountability systems with consequences for results (test score gains are employed as the primary means of ranking schools and schools are rewarded for improved performance); (2) statewide assessments closely linked to academic standards (assessments are conducted annually in every grade from 3 to 8 in reading and math); and (3) data for continuous improvement (student test score data and other information as provided to students, parents, teachers, and school districts through sophisticated computer-based information systems). While the Goals Panel's findings do not constitute definitive evidence of the impact of the new accountability systems, they are, nonetheless, encouraging.

Building Capacity

If standards-based reforms and the new accountability systems are to prove successful in increasing productivity in America's public schools, districts must develop the capacity to support and nurture school-based innovation and change. Systemic change of this kind implies the fundamental restructuring of the school, the district, and their interrelationships (Fullan, 1991; Marsh, 1994). The role of the school district is especially crucial in this regard, since district action must create and sustain the context for successful reform.

District-level authorities must play a central role in guiding the process to establish a districtwide vision of education. This process encompasses several important dimensions, including the development of district goals, content and performance standards (based on, but not limited by, state standards), indicators of success, and districtwide accountability systems. School districts must also develop the capacity to support new and innovative practices at the school level through the creation

of modern information and reporting systems, professional development programs, and systems of rewards aligned with district objectives.

Drury (1999) identifies three key resources that must be developed at both the district and school levels to provide an infrastructure conducive to school-based improvement:

- **Information.** In many districts, schools already have access to a vast array of data, but, because of the way these data are reported, they provide little in the way of useful information. Performance data are generally reported as averages (rather than as gains), often fail to distinguish between school and non-school-related outcomes, and only rarely reflect performance at the classroom level. Similarly, financial data seldom track the flow of resources to the school and classroom levels. Without such information, schools cannot maximize their efficiency, nor can they evaluate the relative effectiveness of individual programs or teachers.
- **Knowledge and Skills.** School systems must also develop greater capacity in three key areas of professional training and skills development: process skills; systemic knowledge; and substantive areas of teaching and learning. Training in *process skills* that supports effective participation in school-based decision making, though often emphasized during the early implementation of systemic reform programs, is rarely sustained over the long term. Moreover, training in these areas is generally limited in scope — for example, how to organize meetings, resolve conflicts, and so on — and typically overlooks the development of analytic skills essential to the continuous improvement of educational programs. Training in *systems knowledge* — that is, knowledge pertaining to the overall operation of school systems — receives even less emphasis and often is omitted entirely from staff development programs. Finally, there is a growing concern among educators that the professional development programs of most school systems provide inadequate training in *substantive areas of teaching and learning*. Typically, training is in the form of discrete workshops or seminars conducted by central office administrators, who not only deliver instruction, but also determine its timing and content. While these activities fulfill state or local requirements for professional learning, they are seldom "deeply rooted in the school curricula or in thoughtful plans to improve teaching and learning" (Cohen & Hill, 1998).
- **Accountability and Performance-Based Rewards.** If school systems are to undergo the kind of systemic change envisioned under standards-based reform, attention must also be given to the development of accountability systems that promote organizational performance, reinforce norms of collegiality, cooperation, and continuous learning and provide incentives to attract the best teachers to the neediest schools. Currently, most teacher evaluation systems fail to focus on student performance, and those that do generally lack the ability to distinguish individual teachers' contributions to pupils' successes from other school and non-school influences.

Until school systems develop greater capacity in these critical areas, new accountability systems are likely to fall short of their ultimate educational objectives. Some districts, such as Dallas, Texas, have already implemented modern information systems, and others have adopted data-driven decision making as an integral part of their culture with considerable success (Schmoker & Wilson,

1993), but most districts operate in a virtual information vacuum, like "ships without rudders" (Drury, 1999). Further, while New York City's District 2 and Louisville, Kentucky have made professional development the centerpiece of district reform efforts, most districts across the country have developed little capacity in this critical area. Finally, a few districts have begun to experiment with performance-based reward systems and incentives designed to attract the most effective teachers to struggling schools, but this, too, remains a rarity in American public education.

Beyond the Traditional Classroom

The extent to which children learn and achieve success in school is not simply a reflection of what happens to them while they are in school. Children's development and learning reflect a host of influences from their family and community — both before they enter school and during the time they are not in school. There are several ways that Title I funds can be used to reach outside school walls to affect the academic achievement of disadvantaged students. Title I funds can be used to involve and educate parents, to extend the school day, or — combined with other funding streams, such as Head Start — to improve and expand early intervention services for poor children.

Parental Involvement

Title I has mandated parental involvement in its programs for decades at varying levels of specificity. Every Title I district must use at least 1 percent of its budget for parent activities, which can include formal parent advisory councils, parent centers, social events, and educational or social services. Title I funds can also be used to pay for transportation and child care to facilitate parental involvement in schools. The 1994 changes to Title I strengthened the law's emphasis on school/family community partnerships by: (1) specifying that partnerships with families should be linked to student learning; (2) asking schools to develop, jointly with parents, a "compact" that outlines how parents, school staff, and students will share responsibility for improving student achievement; and (3) allowing funds to be commingled to create unified programs that serve all parents.

This emphasis on parental involvement is supported by research showing that the support of parents at home can have a positive effect on students' achievement, attendance, school adaptability, and classroom behavior, as well as a positive effect on parents themselves by giving them the tools to help their children at home (Epstein & Hollifield, 1996). A recent review by Henderson and Berla (1994) discusses a number of parental activities associated with positive academic outcomes for children, including: (1) establishing daily family routines, such as providing a quiet time and place to study, establishing times for going to and arising from bed, eating dinner together, etc.; (2) monitoring out-of-school activities by, for example, limiting TV, arranging after-school activities and supervised care, etc.; (3) modeling the value of learning and hard work; (4) expressing high, but realistic, expectations for achievement (*e.g.*, setting goals and standards, encouraging special talents, etc.); (5) encouraging children's progress in school (*e.g.*, showing interest in school achievement, helping with homework, staying in touch with teachers, etc.); and (6) reading and engaging in discussions among family members (*e.g.*, reading together, discussing the day's events, etc.). Not

surprisingly, Phillips, Crouse, and Ralph (1998) report that as much as half of the twelfth-grade difference in student achievement between white and African-American students may be attributable to differences that existed at initial entry into school, and Hedges and Nowell (1998) speculate that it was an increased emphasis on student achievement by African-American parents that largely explains the narrowing of the black-white test score gap observed during the 1970s.

Obviously, schools cannot hope to alter the complex nature of parenting. But they can bring parents into the educational process as partners with schools and teachers, and this can be accomplished in ways that encourage the types of behaviors and interactions described above. For example, in a study based on *Prospects* data, D'Agostino, Wong, Hedges, and Borman (1998) found that Title I parent involvement programs that foster strong parent-teacher communications can increase parents' efforts to work with their children at home, which, in turn, can influence student achievement. But, as Epstein and Hollifield (1996) warn, not all school/family/community partnerships lead to higher student achievement — their success depends largely on how these programs are structured. Most promising are comprehensive programs of school, family, and community partnerships that foster communications with families and community partners and emphasize the importance of all parents' efforts to work with their children at home (Epstein, 1995).

While the evidence on the impact of the home environment on academic achievement is compelling, there is much to learn about how parenting behavior can be modified to positively influence student development. Teachers and administrators should not expect parental involvement to solve all the problems facing schools with high concentrations of poor children. They should, however, seek to foster communications that create strong parent-teacher partnerships and emphasize the importance of parents' efforts to work with their children at home.

Preschool Interventions

Traditionally, Title I funds have been used to address the remediation of educational deficits, rather than their prevention. Although preschool programs have been authorized under Title I since its inception, few dollars have actually been allocated to prepare students for school. Increasingly, however, policymakers have come to recognize that children who enter school prepared will achieve more than those who receive remediation services after the fact.

High-quality early childhood programs can have large effects on children's cognitive development (Barnett, 1995; Campbell & Ramey 1994; Consortium for Longitudinal Studies, 1983; Layzer, Goodson, & Layzer, 1990; Lee, Brooks-Gunn, & Schnur, 1988; McKey, Condelli, Ganson, Barrett, McConkey, & Plantz, 1985; Reynolds, 1992), and there is evidence to suggest that some programs may affect socioemotional functioning as well (Lee *et al.*, 1988; McKey, *et al.*, 1985). But, in the absence of adequate environmental supports during the early years of schooling, these effects can begin to fade (Barnett, 1995; Castro & Mastropieri, 1986; McKey, *et al.*, 1985; Ramey & Ramey, 1992). Lee and Loeb (1995) suggest that one of the reasons for the fade-out of early preschool gains is that disadvantaged children often go on to elementary schools of lower than average quality. Consequently, researchers agree that preschool programs that include early, intensive intervention, along with continued follow-up as children enter school, have the strongest effects on later achievement (Ramey & Ramey, 1992; Wasik & Karweit, 1994; Yoshikawa, 1994).

Extended Learning Time

Students spend about 70 percent of their waking hours outside of school (Clark, 1993), time that "is seldom spent in activities that reinforce what they are learning in their classes" (Steinberg, 1996). More typically, students' energy is focused on activities that "compete with, rather than complement, their studies." Thus, in an analysis of some 20,000 teenagers, Steinberg found that roughly two-thirds were employed, and about half were working more than 15 hours per week. Harris (1998), in a widely discussed book, also demonstrates the importance the interactions that occur among students, both within and outside of school.

Out-of-school Time Programs. Based on an analysis of how children use their out-of-school time, Chimerine, Panton, and Russo (1993) recommended that, rather than supplant community-based activities for children, Title I should "encourage children to take part in productive out-of-school activities, facilitate coordination among existing programs, raise awareness among parents and community members....and help ensure that students have access to the programs they want and need." Program funds can also be used to offer "instruction before or after school and during school vacations [to] reduce the amount of class time students miss for pull-out programs." The IASA encouraged Title I schools to consider such approaches, and recently, funds have been made available for the creation of 21st Century Community Learning Centers. As a result, the proportion of Title I schools offering extended learning time programs has increased dramatically, from 9 percent to 41 percent since 1994 (U.S. Department of Education, 1999). Still, more than half of all Title I schools offer no programs of this kind.

A number of studies have found that children who attend high-quality after-school programs display better peer relations and emotional adjustment than children lacking this experience (Baker & Witt, 1995; Posner & Vandell, 1994). Other studies have reported improvements in social skills (Carlisi, 1996; Steinberg, 1996), school grades (Brooks, Mojica & Land, 1995; Carlisi, 1996; Gregory, 1996; Mayesky, 1980a, b; Posner & Vandell, 1994; Riley & Steinberg, 1994), and school work habits (Posner & Vandell, 1994; Vandell & Pierce, 1997). Finally, a recent review of the literature by Fashola (1998) identifies a number of after-school programs whose effectiveness is supported by research, including several studies employing rigorous research designs featuring treatment and comparison groups. Nonetheless, while the evidence on out-of-school programs is compelling, few would argue that such programs should compete with in-school programs for funding.

Tutoring Assistance. Tutoring represents another approach involving an extension of learning time that has gained popularity in recent years, especially those programs designed to help children in the early grades learn to read. A meta-analysis of 65 studies (Natriello, McDill, & Pallas, 1990) concluded that same- and cross-age tutoring can positively affect achievement in targeted subject areas. However, the *Special Strategies* study (Stringfield, *et al.*, 1997), which examined four popular tutoring programs in Chapter I schools, failed to find positive effects on student achievement (although these latter findings were affected by a very small sample size and other methodological constraints). In researching an approach using trained adult volunteers, Wasik (in press) concluded that "there is a surprising lack of evidence about achievement effects of one-to-one tutoring by volunteers," despite the rapid proliferation of these methods and the general belief that they are

effective. On balance, the research evidence is inconclusive about the general effectiveness of intensive tutoring programs and casts some doubt on the effectiveness of those programs that utilize volunteers.

Extended School Year. For some time, researchers have recognized that students' performance tends to "slip" after the long summer vacation and that this effect is particularly pronounced for disadvantaged children. A review of 39 studies by Cooper, Nye, Charlton, Lindsay and Greathouse (1996) reported that:

the summer loss equaled about one month on a grade-level equivalent scale, or one-tenth of a standard deviation relative to spring test scores. The effect of summer break was more detrimental for math than for reading and most detrimental for math computation and spelling. Also, middle-class students appeared to gain on grade-level equivalent reading recognition tests over summer while lower-class students lost on them.

Possible explanations for these findings include the lack of adequate environmental supports in the homes of underprivileged students, differences in the opportunity to practice different academic material over the summer (with reading practice more available than math practice), and the greater likelihood of memory decay for fact- and procedure-based knowledge than for conceptual knowledge.

In an earlier study, Alexander and Entwisle (1994) presented dramatic evidence that disadvantaged students have rates of increase in academic achievement that are on a par with other students *when they are in school*, but, as a result of their impoverished home/community environments, lag far behind in summer growth, leaving them no better off (or worse off) at the beginning of the next school year. Similar findings were reported by Karweit, Ricciuti, and Thompson (1994), based on an analysis of *Prospects* data. These researchers also found that the decline *compounds* over time — that is, the loss for poor children continues in each year of schooling, keeping them behind their more advantaged classmates despite the gains they achieve while in school.

Interest in extended-year schooling has grown, largely in response to such findings, and also as a consequence of American students' low performance on international tests. Proposed solutions include the addition of more instructional time during the summer months, as well as more extensive revisions to the total school schedule. For example, the National Education Commission on Time and Learning (1994) and others have urged school districts to extend the school year to increase the number of days children spend in school. In terms of Title I, the most common application of these ideas has been summer programs for disadvantaged students.

Research on the effectiveness of such reforms has, however, been limited. In a meta-analysis of the available research, Kneese (1996) found that schools that extended the school year achieved positive gains in student academic achievement. However, others argue that it makes more sense, from both an economic and a pedagogical point of view, to simply "improve the way we use the time students already spend in school" (Karweit, 1985). According to this view, Title I funds are better

spent improving the quality of the education that children receive during the time they currently spend in school, before reallocating scarce resources to support expanded learning opportunities.

CONCLUSIONS

Title I alone cannot compensate for the substantial educational deprivations associated with child poverty. Even at \$8 billion, the program is small relative to the total cost of U.S. elementary and secondary education. Research demonstrates that, although Title I serves those students who are most in need of supplementary assistance, the nature of the help they receive is, *by itself*, insufficient to close the gap in academic achievement between them and their more advantaged classmates.

Research also shows us that, like an addition to an old house, supplementary funds and programs cannot be added to a weak foundation with any assurance of success. No matter how good the Title I staff — or how hard these teachers work — with relatively few hours of remedial instruction per week, they sometimes face serious obstacles in overcoming a poor school environment. There is sufficient evidence to indicate that the best way to improve the learning for disadvantaged children is to improve what happens throughout their entire school day, and that means improving the educational environment for *all* children, rather than targeting a few children at the margin. Only in this way can we hope to overcome the achievement gap faced by poor children at school entry. Further, school reform should be multi-dimensional — research suggests that there is no “magic bullet” that will, by itself, raise the level of student achievement, especially for the lowest-performing children. Effective school reform programs should, therefore, invoke a variety of strategies selected on the basis of sound research, guided by the clear goal of improving student learning.

Probably the most compelling evidence we have in this regard is that teachers matter. It is increasingly clear that policymakers need to focus more on the operational core of education systems — the classroom itself. Setting high standards, and expecting all children to learn a challenging curriculum, is doomed to failure without the teaching staff who can effectively bring all children to the desired point of learning. This means finding policies to attract and retain the best individuals, eliminating the practice of using aides and the most inexperienced teachers to teach the most challenged students (or to teach in the most impoverished schools), and ensuring that teachers have the content knowledge and teaching skills needed to meet the demands placed upon them. Strong professional development should be a key ingredient of any school reform strategy, as should increased opportunities for professional collaboration, particularly through the extension of teacher working time to cover at least part of the summer months to allow time to work on curriculum, instructional development, and other policy-setting activities.

School administrators must also have the capacity to meet the new challenges and demands facing them and the rest of society at the dawn of the 21st century. The movement to set high standards and expectations — and to develop accountability systems that focus attention on teacher and student performance — is certainly important. But while these activities create the *will* to improve our schools, they do not address the *skill* needed to achieve these ambitious goals. Support from the central administration will be essential — in developing modern information and reporting systems, in providing support for professional development, and in creating accountability and reward systems that are aligned with educational objectives.

Although the evidence on standards-based reform is still fragmentary, the main idea behind this movement is in line with a stronger body of research showing the importance of curriculum and instruction to student learning. States must set clear, high standards, and districts and schools must be responsible for ensuring that all students are provided with the curriculum, teaching practices, and assistance they need to attain these standards. Of course, schools need meaningful ways to assess progress against those standards, but such assessments should be used to provide meaningful feedback to students, parents, teachers, and administrators, not just to keep score. The entire school must become a learning community in which all stakeholders are focused on the single goal of improving student learning, and in which data are used in a continuous way to monitor progress and adjust the course when necessary.

Technology can be an important tool for bringing about school improvement, but it should not be viewed as a substitute for good teaching. In fact, we know too little at this point about the most effective ways to use computers to support classroom instruction. There are additional concerns about the lack of high-quality content-based software and adequately trained teachers. In the most disadvantaged schools, where the human resources may be limited, computers may be able to serve as a "default strategy" for instruction, especially in certain subject areas where classroom teachers lack adequate content-area preparation. But, to be successful, such strategies will require investment in the development of high-quality content-based computer applications.

Smaller class size appears to be an important means of boosting student achievement during the early years of schooling, when children are learning fundamental skills and adjusting to new social settings. Although the evidence does not seem to justify broad investments in class size reductions for *all* students at *all* grade levels — a strategy that could overwhelm other important uses of scarce resources — there is ample support for more flexible, targeted class-size reduction initiatives. Strategies such as small-group instruction and cooperative learning may also be beneficial, but only if properly implemented and supported by appropriate instructional materials, and only if teachers are well trained in the necessary techniques.

There is strong and compelling evidence that disadvantaged children start school behind their classmates and never catch up from these early deficits. This suggests that increased investments in early education programs are clearly needed. But these programs must *themselves* be of high quality and must be tied to subsequent high-quality school instruction for the gains to be sustained. Other nonschool factors — such as school/family/community partnerships, out-of-school programs, school accountability and incentive systems, and changes in local school governance — also show promise, but suffer from a fragmentary research base. There is a critical need for knowledge in each of these areas that illuminates the linkages between schools' capabilities and increased student performance.

Finally, we must confront the fact that the state of educational research is glaringly poor. Although, there are hundreds of articles published every month, many by very talented scholars, most of what we "know" about education is, at best, based on weak research designs, and, at worst, on unsupported claims or anecdotal evidence. Of all the social policy areas, education is certainly the least well supported by sound research. This is not to say that we have learned nothing from the past 40 years of educational research, but "the amount and quality of systematic development and rigorous program evaluation remains limited" (Vinovskis, 1999). Although we may lack definitive

answers about what works best, we know a great deal more about what are the right questions to ask, and where to look for effective solutions. The federal government and national organizations need to take a much greater leadership role in the generation of high-quality information concerning “what works” in education.

We especially need continuous experimentation to provide information that supports data-driven decision making in schools as learning communities. Only in this way can policymakers and schools make rational decisions about which steps to take to improve student learning. In particular, we have little, if any, information on cost-benefit tradeoffs. In a world where resources are limited, we need to know which school changes/reforms offer the greatest “bang for the buck.” We also need to foster greater commitment among all stakeholders in the educational process if these reforms are to be given a fair test. Too often, schools and policymakers implement reforms that are unsupported by sound research, leading them to jump indiscriminately from one new fad to another. Because this has become common practice, it is hard to muster the necessary support and commitment to sustain *any* program, even those with substantial potential for success. Given these circumstances, teachers can hardly be blamed for taking the approach that “this too shall pass!” And, even in those cases where these obstacles are overcome, it is often on small demonstration projects, and rarely extends to more broadly-based programs.

An area of particular need for further research is the movement toward whole-school reform, a strategy encouraged by a recent increase in the availability of federal funding to support such programs. Despite developers' claims of effectiveness, we know far less than we think (or should know) about the relative strengths of many of these new reform models. Schools are spending enormous amounts of their precious resources on programs that promise to raise student achievement without clearly understanding whether the interventions they adopt have the potential to work in their school, or what it takes to effectively implement these broad reform strategies. Too many schools get whipsawed as they seek the latest cure-all, abandoning old ideas when they fail to yield promised academic gains in one or two years. Although schools should be encouraged to experiment with new ideas, the choice of a strategy must be based on reliable information derived from *independent and rigorous impact evaluations*. Claims of the effectiveness of particular interventions should not be based on simple test-score comparisons — whether related to national norms or the performance of students in purportedly similar schools — and certainly should not be based on anecdotal evidence of success. Far too much is at stake for America's schoolchildren to waste limited school resources on unproven reforms, or reforms that are ill suited to local conditions.

PART II:
Policy Implications

TITLE I: NSBA'S RECOMMENDATIONS FOR REAUTHORIZATION

Based upon the findings presented in this report, discussions with selected Title I administrators from large urban and suburban districts, as well as input provided by a panel of leading scholars, the National School Boards Association (NSBA) has developed the following recommendations with respect to the reauthorization of Title I:

Recommendation 1 - Develop districtwide capacity to evaluate and improve programs serving Title I students.

While the Title I program places strong emphasis on accountability and high standards, as currently configured, it provides little impetus for the development of school districts' capacity to support schools in the design, implementation, and evaluation of programs that can boost student achievement. Often overlooked, it is the school *district* that must provide the context and infrastructure for effective school-based change. Without a significant expansion of district-level capacity, local school systems will be unable to provide appropriate oversight, develop districtwide strategies, or provide the kinds of supports (*e.g.*, professional development) that individual schools require to achieve district objectives. Thus, it is crucial that some portion of Title I funding be allocated for building greater capacity at the district level.

Local districts should be *encouraged* to use some portion of their Title I funds to engage in strategic planning aimed at building upon and implementing state standards. Such planning should encompass the development of educational materials, the realignment of curricula, and the creation of assessment and information systems that support continuous school improvement in Title I schools. School districts should also conduct planning activities focused on the development of salary incentives, supplements, and innovative recruitment strategies that provide greater access to high-quality teachers in Title I schools. Additionally, the use of limited funds at the district level can provide for the coordination and implementation of programs with other public and private sponsors, and the development of comprehensive school, family, and community partnerships that involve *all* families in their children's education and engage the broader community in an effort to improve schools, strengthen families, and increase student learning for Title I students.

Recommendation 2 - Support districts in achieving this goal through access to technical assistance that supports the development of a districtwide infrastructure conducive to school-based change.

Local school districts must have the benefit of expert technical assistance to build capacity in several key domains necessary for the achievement of high standards. Federal funding should be provided to support technical assistance grants for those districts that fail to make adequate progress toward educational goals. Such technical assistance should: (1) be available on a competitive market basis so that school systems can choose those sources of assistance that will

best serve their needs; and (2) include education laboratories, higher education institutions, and the private sector, as well as state education agencies. While state interventions may, in some instances, be appropriate to ensure the delivery of high-quality educational services, it would be of more value for states to provide greater technical support to local districts *before* problems arise. And, where intervention is required, it should be constructive, rather than punitive, in nature.

Recommendation 3 - Increase the targeting of funds to those schools serving the poorest students.

Historically, Title I has been criticized for its failure to target funds sufficiently to those schools and districts serving the neediest children. Since 1994, significant progress has been made in this regard, but further concentration of funds in the poorest schools is required to provide the resources necessary to overcome the enormous challenges faced by educationally disadvantaged children. Until Title I is fully funded, appropriation increases should be substantially targeted to school districts with the highest concentrations of students in poverty. To accomplish this, provisions should be added to existing legislation requiring that (a) some specific portion of all new Title I funds be allocated to concentration grants and (b) the formula for concentration grants be more tightly targeted.

Recommendation 4 - Increase funding to early childhood education programs.

Research indicates that the potential for achievement is greatest when students are academically stimulated early in life. Although Title I alone cannot meet this need, it can contribute to the process in two important ways: (1) by focusing program funds on the earliest grades, thus placing disadvantaged children on firmer ground before they fall too far behind and cannot catch up; and (2) by providing leadership and coordination among programs to ensure services for disadvantaged children from birth through early elementary school.

Although current law permits the use of Title I funds for preschool education, at today's appropriations level, it is unrealistic to expect local districts to stretch their limited funds to cover the costs of such programs. Therefore, in addition to an expansion of existing programs, such as Even Start, a separate \$1 billion initiative should be established to assist school districts in providing preschool education services to disadvantaged students between the ages of three to six. Funding should be made available to school districts to operate such programs directly or to contract for with external providers for such services. These funds should also be used to coordinate with other programs to ensure adequate preschool preparation and to train service providers to ensure that children acquire the requisite skills to perform successfully at grade level.

Recommendation 5 - Continue the use of Title I to drive comprehensive school reforms, while improving accountability and assessment of these and other schoolwide initiatives and providing for increased research and development in this area.

Title I should continue to support the use of program funds to drive whole-school reform. With

the increasing emphasis on accountability, school districts must play a more aggressive role to ensure that educational objectives are met. Districts operating schoolwide programs should be encouraged to develop and implement district-level support plans that include accountability guidelines and provide assurances to the state that participating schools will be held more accountable for results (for example, by requiring the use of disaggregated data).

In those cases where district objectives are not achieved, these plans should identify appropriate strategies for local school district intervention. Furthermore, school districts with mobility rates of 50 percent or more should have increased flexibility in implementing schoolwide programs. For example, they should have the option to: (1) create "clusters" of schoolwide projects in high-mobility areas that tend to share the same students (coordinating curriculum, course materials, testing, and other areas); and (2) pay for any additional transportation costs for students to remain at the same school even if their family has relocated within the district.

Comprehensive school reform demonstration programs have made it possible for local school districts to access several promising models designed to enhance student achievement. Title I can, and should, serve as an educational laboratory to promote district- and school-level experimentation with new approaches that have similar or even greater potential for success. Thus, the existing research program should be expanded by increasing the number and size of grants to independent researchers and the U.S. Department of Education. In addition, these grant programs should be expanded to encourage "home-grown" approaches to comprehensive school reform — *i.e.*, developed at the school and district levels — thereby providing additional stimulus for innovation.

Recommendation 6 - Support the development and implementation of enhanced methods for student assessment.

Local educational agencies are being held to a higher standard of accountability for improving the academic performance of the students they serve. School districts need data that will enable them to assess the needs, progress, and strategies for raising student achievement at the individual, classroom, school, and district levels. In particular, districts must have reliable information on student performance gains that distinguishes between school and nonschool effects and facilitates the evaluation of teacher and program effectiveness. Options to meet these needs should be explored. These might include providing incentives to states to test reliable sample of students in each grade level on an annual basis or expanding the current state-level NAEP initiative to school districts wishing to participate. In addition, funding should be provided for local school districts to design alternative processes for ongoing (e.g., curriculum-embedded), multiple-measure assessments to reduce the testing burden on schools and students.

Recommendation 7 - Provide for more comprehensive, coordinated research and development.

Increased support for research is essential if student achievement is to be raised to achieve new state and district standards. Five years have elapsed since the last Title I reauthorization, yet we have only limited information on what has transpired during that period, especially information

pertaining to student performance. Experimentation should be encouraged to provide information that supports data-driven decision making and continuous school improvement. In particular, there is a paucity of information concerning the relative costs and benefits of various educational reform strategies. In a world where resources are limited, policymakers need to know which potential changes offer the greatest "bang for the buck."

Approximately 1 to 3 percent of program funding should be set aside for these purposes, evenly divided between research and development. Additionally, Title I evaluation efforts must be redesigned to include longitudinal studies that would permit researchers to draw clearer conclusions about students' and schools' performances over time. And, finally, an expanded monitoring system that allows for the continuous assessment of new federal and state policy reforms should be developed and implemented.

REFLECTIONS AT THE LOCAL LEVEL: ASKING THE RIGHT QUESTIONS

The evidence presented in Part I of this report not only provides a foundation for NSBA's policy priorities with respect to the reauthorization of Title I, but also suggests a number of significant local governance issues relevant to the design and implementation of effective Title I programs. Drawing upon this extensive body of research, this section poses a series of questions that can guide local school boards as they — working in conjunction with their superintendents and central office staffs — seek to strengthen their districts' approach to serving disadvantaged children.

Focusing school systems on student achievement objectives, and the attendant strategies to achieve those objectives, constitutes an important function of local boards. The development and evaluation of policies supporting the education of *all* students, including those achieving at the lowest levels, represents an essential part of that broader function. In accomplishing these goals, it is essential that school boards focus their attention on the right questions, both in reflecting on existing policies and in developing new ones.

Below, we pose a series of important questions that local school boards may wish to consider in relation to their districts' Title I programs and other initiatives aimed at improving educational services for low-achieving students. These questions are presented within the context of the four overarching perspectives adopted earlier in this report: (1) individual teachers and classrooms; (2) individual schools; (3) systemic reforms; and (4) reforms that extend beyond the traditional school.

Individual Teachers and Classrooms

The first of these perspectives, emphasizing individual teachers and classrooms, rests upon an impressive body of work on instructional methods, teacher quality, class size, and, most recently, educational technology. Not surprisingly, the most common reforms in this genre involve curriculum- and instruction-based initiatives that need not be implemented systemwide, can often operate autonomously within a single school or classroom, and emphasize student learning.

Challenging Instruction for All

As this report has demonstrated, recent studies challenge the conventional wisdom that most children respond best to a hierarchical model of instruction, in which fundamental skills, such as simple arithmetic computations, are taught before the introduction of higher-order, problem-solving skills. In light of these new findings, school board members are encouraged to consider the following questions:

- Do schools in my district provide challenging instruction for *all* students, or are there separate instructional programs for low-achieving students that emphasize the remediation of basic skills?
- Do schools in my district employ a task-oriented approach to teaching that emphasizes reasoning and problem solving?
- Have schools in my district adopted instructional strategies that promote students' exposure to reading across content areas and provide opportunities for discussion in small groups?

Teacher Quality

As this report has stressed, attention in American public education is increasingly focused on the quality of the nation's teaching staff. Not only are teachers being asked to incorporate rapidly developing educational technologies into their classrooms, they are also facing a growing diversity among their students. The new drive to raise standards and toughen accountability systems has raised the pressure on teachers further.

Research suggests that relatively few teachers are well prepared to deal with these new challenges. In light of these changing circumstances, school board members must increase their efforts to deal with such critical issues as teacher quality, teacher supply, and professional development. In particular, they should ask:

- How is teacher effectiveness measured in my district — *directly*, based on student performance, or *indirectly*, based on teacher qualifications?
- In my district, are less-qualified teachers and those teaching out-of-field disproportionately represented in high-poverty schools?
- How does teacher compensation in my district compare with that in other districts in my state?
- Does my district always recruit the highest-quality teachers? Reward the most effective teachers? Provide incentives to teach in struggling schools?
- On average, how many days of professional development do teachers in my district receive each year? Is teacher training intensive? Does it extend over a long period of time? Is it focused on subject matter relevant to student learning?

Class Size

Recent studies conclude that targeted class-size reduction programs — particularly those aimed at disadvantaged children in the early elementary grades — are likely to produce significant achievement gains and may also contribute to a reduction in the performance gap separating advantaged and disadvantaged students. Yet, at the same time, these studies question the benefit of classroom aides, particularly those with little training and those serving in a volunteer capacity. School board members can heighten awareness in these areas by initiating a dialogue focused on the following questions:

- Does my district have a class-size reduction plan? Does the plan target children in the earliest grades? Disadvantaged children?
- How extensively are teachers' aides used in my district's schools? What functions do they perform? Do aides provide instruction to students independently, or do they support the work of regular classroom teachers?
- Are aides used more extensively in my district's high-poverty schools? Do aides in my district serve in an instructional capacity more often in high-poverty schools than in other schools?

Educational Technology

The growing global importance of information technology has spurred a rapid increase in the use of computers in American schools, and Title I represents an important source of funding for this technological expansion. However, some researchers express concern about unequal access to technology, and others point out that too many teachers lack the necessary training to make effective use of the new forms of technology. Board members can begin to address these issues by inquiring:

- What percentage of the classrooms in my district have at least one computer designated for instructional use? What percentage of schools in my district have Internet access? What percentage of classrooms?
- Do minority, poor, urban, and rural students have equal access to technology in my district?
- Are the teachers in my district adequately trained in the use of the new forms of technology? What percentage of the teachers in my district use computers for a significant part of their daily instruction?

Individual Schools

The past two reauthorizations have moved the focus of Title I increasingly in the direction of reforms with the potential to impact the *whole* school, rather than programs specifically targeting low-achieving students. But research indicates that schoolwide programs that involve only one or more isolated aspects of participating schools' educational programs tend to be of limited value in boosting student achievement. More comprehensive programs, such as those supported under the Comprehensive School Reform Demonstration (CSRSD) initiative, show considerable promise, but there is still much to learn in this area. Key questions for school board members to consider include:

- Do Title I schools in my district provide educational services through supplementary targeted instruction (*e.g.*, pull-outs), schoolwide programs, or both?
- Are schoolwide programs in my district limited to one or more isolated aspects of participating schools' educational programs, or do they emphasize a comprehensive approach involving the articulation of multiple facets of a broader educational program?
- In my district, was the adoption of the schoolwide approach and/or comprehensive school reform model(s) driven by research? How are these approaches evaluated?

Standards and Systemic Reform

The interest in systemic reform in American public education that followed the publication of *A Nation at Risk* in 1983 has been supplemented by increasing emphasis on standards-based reform, the foundation upon which the 1994 Title I reauthorization was built. But researchers caution that setting standards without giving schools (and school districts) the capacity to succeed is a prescription for failure. Thus, in addition to reviewing what we currently know about the impact of standards-based reform and tougher accountability systems on student learning, this report has examined the kinds of resources and technical assistance that school districts will require in order to meet the new standards of learning.

Standards-Based Reform/Accountability

Standards-based reform looks beyond the individual school to change the entire system of education through: (1) development of challenging academic standards and achievement expectations for all students; (2) alignment of policies and practices with these standards; (3) strengthening of governance systems to support greater flexibility and innovation in schools; and (4) implementation of accountability systems with appropriate incentives and sanctions tied to the achievement of expected standards of performance. The report suggests several questions that board members should consider:

- Have my district and state developed challenging content and performance standards for *all* students?
- In my district, are policies concerning curriculum, assessment, professional development, instructional materials, and parental involvement aligned with these standards?
- Has my district implemented policies that support flexibility and innovation at the school level — for example, giving schools the capacity and incentives to create effective strategies for preparing their students to learn the new standards? What obstacles do individual schools face, and what supports do they need?
- Has my district implemented an accountability system with appropriate incentives and sanctions tied to the achievement of expected standards of performance?
- Does my district's accountability system promote organizational performance and reinforce norms of collegiality, cooperation, and continuous learning? Does it provide incentives to attract the best teachers to the neediest schools?
- How does my district measure student performance? What constitutes "good" and "bad" performance? Satisfactory progress?
- Does my district's assessment/accountability system make adjustments to school scores for differences in the types of students enrolled? Are performance data reported as gains or as averages? Do these data distinguish between school- and nonschool-related outcomes? Do they reflect performance at the classroom level?
- Is my district's assessment/accountability system fair, both in appearance and in substance?

Building Capacity

If standards-based reforms and the new accountability systems are to prove successful in increasing productivity in America's public schools, districts must develop the capacity to support and nurture school-based innovation and change. In this regard, the role of the school board is especially crucial, since district action must create and sustain the context for successful reform. Board members should ask:

- Does my district have the capacity to identify and assist poor-performing schools?
- Do schools in my district have access to crucial resources — information, knowledge, rewards — necessary for school-based improvement?

- Do schools in my district have access to the kinds of expert technical assistance necessary for the achievement of high standards? Is such assistance available on a competitive market basis? Do providers include education laboratories, higher education institutions, and the private sector, as well as state education agencies?
- What role can my school district play in supporting activities at the school level in areas such as professional and curriculum development?
- Does my board review our district's Title I plan and evaluate its progress? Is there a board-level strategy in place that addresses the needs of disadvantaged children?
- How frequently does my board discuss our school system's plans and goals for meeting the needs of disadvantaged students?

Beyond the Traditional Classroom

Finally, as the report indicates, the extent to which children learn and achieve success in school is not simply a reflection of what happens to them in the classroom. Children's development and learning reflect a host of influences from their family and community – both before they enter school and during the time they are not in school. School boards should consider ways in which they can reach beyond school walls to raise the academic achievement of students enrolled in their district, particularly those from disadvantaged backgrounds. Strategies examined in this report include expanding parental involvement, allocating more money to preschool interventions, and extending the time that students spend on learning. Board members can promote dialogue in these areas by asking:

- How does my district support parental involvement in public education (for example, through parent centers, social events, or educational/social services)?
- How much of its Title I grant has my district traditionally allocated to the development and implementation of preschool programs?
- Do preschool programs in my district include intensive early intervention, along with continued follow-up as children enter school?

- In my district, are Title I funds used to support productive out-of-school activities and/or facilitate the coordination of existing programs? Are funds used to support instruction before or after school? During vacations?
- Has my district extended the school year? Revised the school schedule? Provided more instructional time during the summer months for disadvantaged students?

Final Reflections

The questions posed in this section offer one means of directing board members' attention to those areas in which local Title I programs can be strengthened. Asking the right questions often represents the first step toward identifying critical program deficiencies that can be addressed through board action.

While this report provides a rich source of information that can guide and inform local boards and district administrators as they explore new directions, research alone can not dictate which path should ultimately be followed. Local conditions and circumstances vary, and school boards, working with their superintendents and central office staffs, must make the final judgment as to how best to meet the needs of the disadvantaged school children they serve.

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ABOUT NSBA

The National School Boards Association is the nationwide advocacy organization for public school governance. NSBA's mission is to foster excellence and equity in public elementary and secondary education in the United States through local school board leadership. NSBA achieves its mission by amplifying the influence of school boards across the country in all public forums relevant to federal and national education issues, by representing the school board perspective before federal government agencies and with national organizations that affect education, and by providing vital information and services to Federation Members and school boards throughout the nation.

NSBA advocates local school boards as the ultimate expression of the unique American institution of representative governance of public school districts. NSBA supports the capacity of each school board—acting on behalf of and in close concert with the people of its community—to envision the future of education in its community, to establish a structure and environment that allow all students to reach their maximum potential, to provide accountability for the people of its community on performance in the schools, and to serve as the key community advocate for children and youth and their public schools.

Founded in 1940, NSBA is a not-for-profit federation of state associations of school boards across the United States and the school boards of the District of Columbia, Guam, Hawaii, and the U.S. Virgin Islands. NSBA represents the nation's 95,000 school board members. These board members govern 14,772 local school districts that serve more than 46.5 million public school students—approximately 90 percent of all elementary and secondary school students in the nation. Virtually all school board members are elected; the remainder are appointed by elected officials.

NSBA policy is determined by a 150-member Delegate Assembly of local school board members from throughout the nation. The 24-member Board of Directors translates this policy into action. Programs and services are administered by the NSBA executive director, assisted by a professional staff. NSBA is located in metropolitan Washington, D.C.