

NCER researchers are developing and evaluating programs, curricula, assessments, and policies designed to increase student learning and achievement. Among the exciting accomplishments of our researchers is the demonstration of four-fold increases in children's learning of science and vocabulary terms when they use educational software that incorporates instructional design principles from the cognitive sciences.

Research teams across the country are working on a wide range of projects, from the development and evaluation of technology to provide individual coaching to teachers in remote areas, to the development of supplementary instructional materials addressing specific learning goals. The work is **rigorous**, **relevant** and **useful**, aimed at finding practical solutions to education's most difficult problems.

 ncer.ed.gov



The Institute of Education Sciences (IES) brings rigorous and relevant research, evaluation, and statistics to our nation's education system. It is transforming education into a field in which decision-makers routinely turn to evidence to inform policies and practices that affect students.

IES accomplishes this mission through the work of its four centers

- **National Center for Education Research**
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- **National Center for Education Statistics**
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- **National Center for Education Evaluation and Regional Assistance**
ncee.ed.gov
- **National Center for Special Education Research**
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Institute of Education Sciences
555 New Jersey Avenue, NW
Washington, D.C. 20208-5500

www.ed.gov

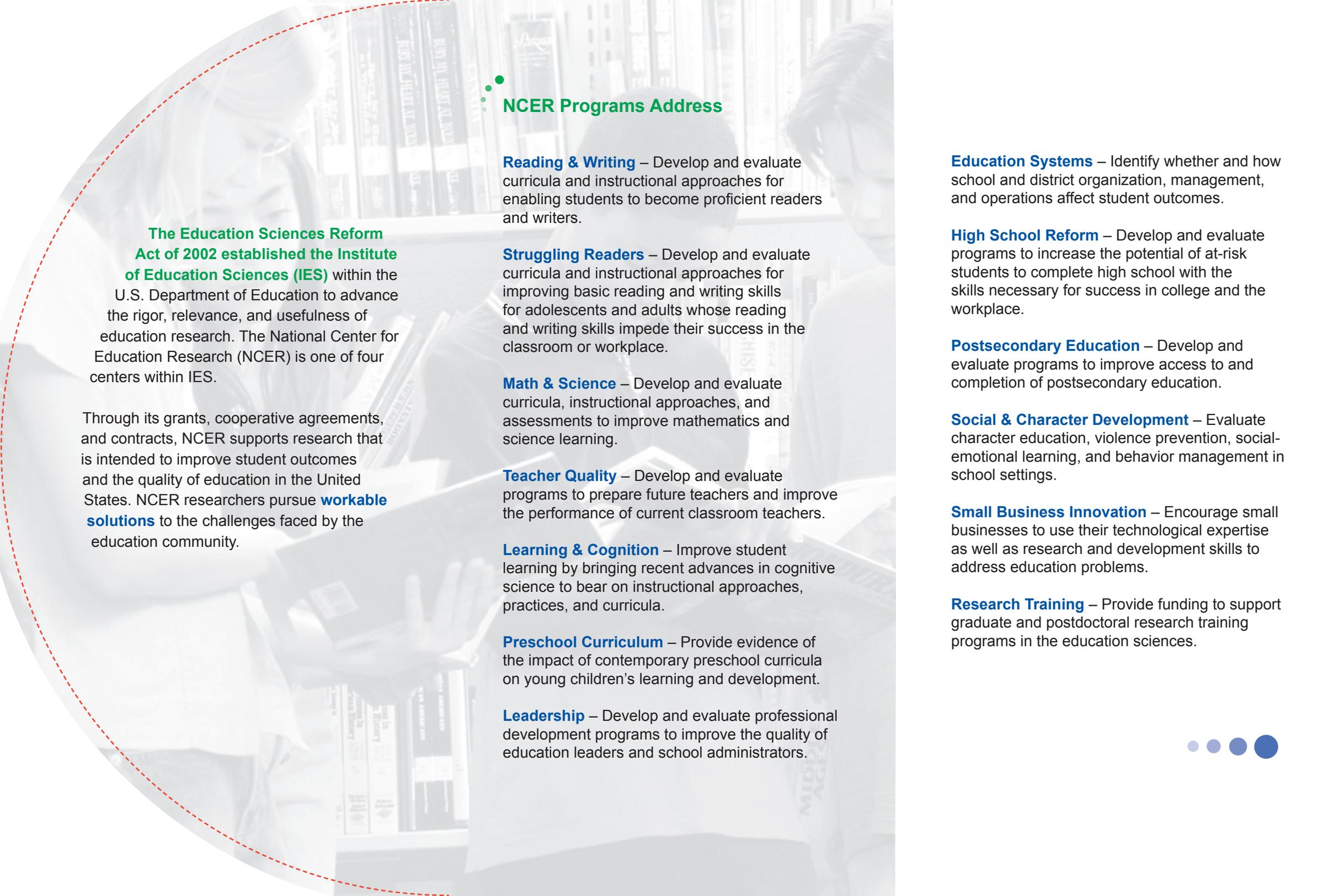


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NATIONAL CENTER FOR EDUCATION RESEARCH

Building Evidence-based Education

Institute of Education Sciences
U.S. Department of Education



NCER Programs Address

The Education Sciences Reform Act of 2002 established the Institute of Education Sciences (IES) within the U.S. Department of Education to advance the rigor, relevance, and usefulness of education research. The National Center for Education Research (NCER) is one of four centers within IES.

Through its grants, cooperative agreements, and contracts, NCER supports research that is intended to improve student outcomes and the quality of education in the United States. NCER researchers pursue **workable solutions** to the challenges faced by the education community.

Reading & Writing – Develop and evaluate curricula and instructional approaches for enabling students to become proficient readers and writers.

Struggling Readers – Develop and evaluate curricula and instructional approaches for improving basic reading and writing skills for adolescents and adults whose reading and writing skills impede their success in the classroom or workplace.

Math & Science – Develop and evaluate curricula, instructional approaches, and assessments to improve mathematics and science learning.

Teacher Quality – Develop and evaluate programs to prepare future teachers and improve the performance of current classroom teachers.

Learning & Cognition – Improve student learning by bringing recent advances in cognitive science to bear on instructional approaches, practices, and curricula.

Preschool Curriculum – Provide evidence of the impact of contemporary preschool curricula on young children's learning and development.

Leadership – Develop and evaluate professional development programs to improve the quality of education leaders and school administrators.

Education Systems – Identify whether and how school and district organization, management, and operations affect student outcomes.

High School Reform – Develop and evaluate programs to increase the potential of at-risk students to complete high school with the skills necessary for success in college and the workplace.

Postsecondary Education – Develop and evaluate programs to improve access to and completion of postsecondary education.

Social & Character Development – Evaluate character education, violence prevention, social-emotional learning, and behavior management in school settings.

Small Business Innovation – Encourage small businesses to use their technological expertise as well as research and development skills to address education problems.

Research Training – Provide funding to support graduate and postdoctoral research training programs in the education sciences.

