

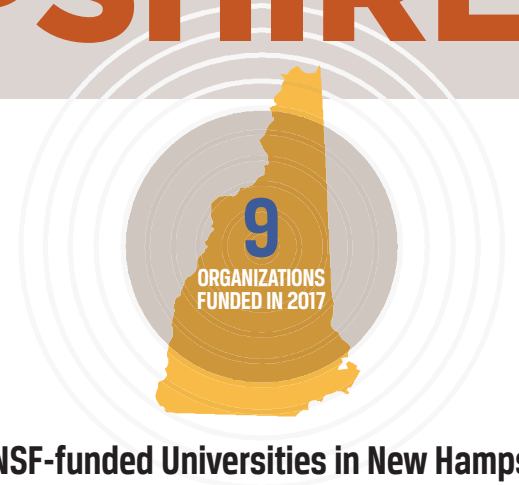
Federal Research Investment from NSF: **NEW HAMPSHIRE**

About NSF

As the federal agency charged with the advancement of scientific progress across all of the fields of science and engineering, the National Science Foundation (NSF) is the cornerstone of America's basic scientific research enterprise. NSF's seven directorates fund research in diverse disciplines as well as interdisciplinary, cross-cutting initiatives. Support for education research comes primarily from the Education and Human Resources Directorate and also from the Social, Behavioral and Economic Sciences Directorate.

Examples of NSF-funded Education Research in New Hampshire

- **Rural Gateways: Fostering the Development of Rural Librarians as Informal Science Facilitators:** Researchers at Dartmouth University are providing and evaluating online professional development provided to librarians in rural communities. The goal of this research is to foster librarians as conveyors of STEM knowledge to rural communities.
- **Learning Mathematics Through Teaching:** University of New Hampshire researchers are developing curriculum modules for an existing undergraduate level course for future secondary teachers. The modules are informed by current research on teacher preparation in math, and incorporate feedback from prior students. The project also involves mentoring pre-service teachers and a professional development program for teachers in pre-calculus classrooms.



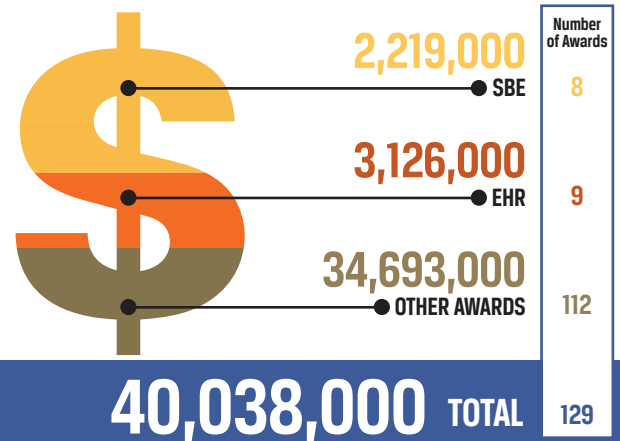
Top 5 NSF-funded Universities in New Hampshire

1. University of New Hampshire (\$19,251,000)
2. Dartmouth College (\$18,002,000)
3. Keene State College (\$474,000)
4. Plymouth State University (\$131,000)
5. Antioch University New England (\$17,000)

NSF in New Hampshire

- New Hampshire received 129 awards in FY 2017.
- New Hampshire ranks 36th overall in NSF funding.
- New Hampshire received over 0.5% of the total NSF award budget in 2017.

New Hampshire Funding



Federal Research Investment from IES: NEW HAMPSHIRE

About IES

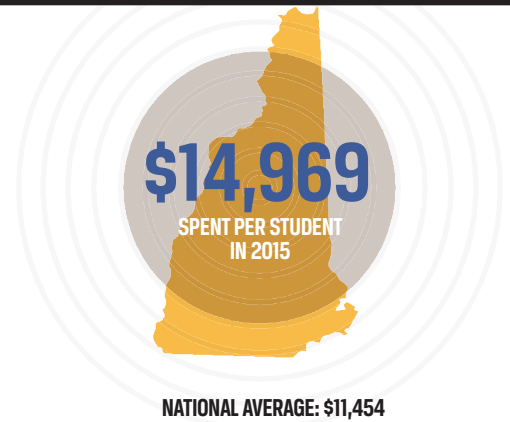
The Institute of Education Sciences (IES) is the federal research agency within the U.S. Department of Education that builds knowledge and informs understanding of education from early childhood through postsecondary to adult workforce.

Research, statistics, and evaluations funded by IES provide policymakers and practitioners with reliable information on the condition and progress of education, educational practices that support learning and improve academic achievement, and the effectiveness of education programs.

IES Resources for Schools and Educators in New Hampshire

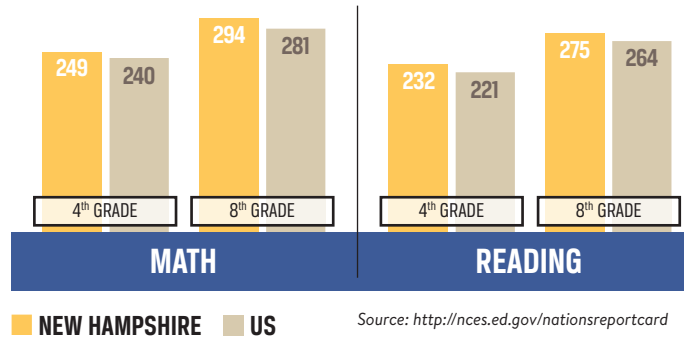
- The Initiative for School Empowerment and Excellence (i4see) serves as New Hampshire's state longitudinal data system. PerformancePLUS, linked to this system, allows educators to use their students' data to inform their teaching. Researchers also are able to access data for research answering questions on Assessments & Accountability, Struggling Schools, and Teacher Quality.
- Researchers at the University of New Hampshire, with funding from the National Center for Education Research, evaluated the early childhood curriculum, Ladders to Literacy, as it was implemented in New Hampshire Head Start programs as a supplement to curriculum in place. The rigorous standards applied to the evaluation provided additional information on the effects of Ladders to Literacy on student and classroom outcomes.
- The New Hampshire Department of Education served as a partner of the Northeast Educator Effectiveness Research Alliance (NEERA), associated with the Northeast and Islands Regional Educational Laboratory.

Average Spending Per Student on Education



Source: Revenues and Expenditures for Public Elementary and Secondary Education: School Year 2014-15 (Fiscal Year 2015): First Look (NCES 2018-301)

New Hampshire Performance on the 2015 National Assessment of Educational Progress



Source: <http://nces.ed.gov/nationsreportcard>

IES Online Resources

- What Works Clearinghouse:
<http://ies.ed.gov/ncee/wwc/findwhatworks.aspx>
- Education Resources Information Center:
<http://eric.ed.gov>