

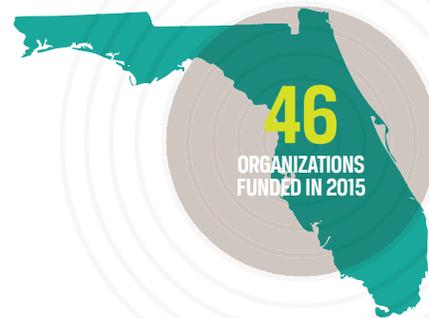
# Federal Research Investment from NSF: FLORIDA

## 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 Florida

- Identifying an Effective and Scalable Model of Lesson Study:** Researchers at Florida State University are investigating variation in teachers' practice of lesson study to identify effective and scalable design features of lesson study associated with student math achievement growth in Florida. The research involves examining four design features of lesson study (structure, facilitator, knowledge resources for lesson planning, and research lesson and discussion) and their associated organizational supports. This project aims to disseminate evidence regarding the characteristics of an effective and scalable mathematics lesson study model to state and district-level facilitators across the country.
- The School Organization and Science Achievement (SOSA) Project:** Researchers at the University of South Florida and the University of Connecticut are documenting factors explaining variations in science achievement across schools enrolling ethnically and linguistically diverse students. In collaboration with school districts in their respective states, they will identify school leadership practices that can be connected with reductions in achievement gaps related to student ethnicity, English fluency, and social status. At the conclusion of the five-year project, recommendations will be provided about leadership practices and school organization that can be implemented in other school settings.



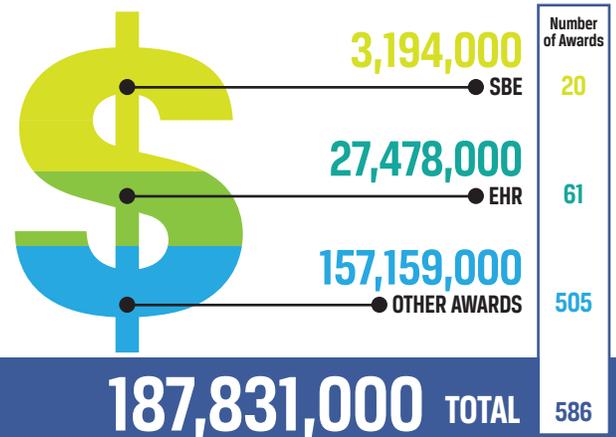
## Top 5 NSF-funded Universities in Florida

1. Florida State University (\$53,888,000)
2. University of Florida (\$47,457,000)
3. University of South Florida (\$19,378,000)
4. Florida International University (\$17,979,000)
5. University of Central Florida (\$10,024,000)

## NSF in Florida

- Florida received 586 awards in FY 2015.
- Florida ranks 14th overall in NSF funding.
- Florida received almost 3% of the total NSF award budget in 2015.

## Florida Funding



# Federal Research Investment from IES: **FLORIDA**

## About IES

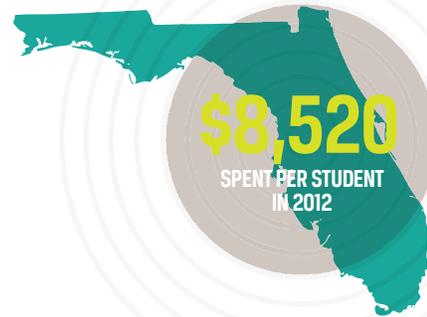
The Institute of Education Sciences (IES) is the federal research agency within the U.S. Department of Education that builds knowledge and informs understanding of education from early childhood through postsecondary to adult workforce.

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 Florida

- The Florida Longitudinal Data System has been used for several research studies to highlight trends in education in the state: Florida Teacher Pipeline; Why Your Florida Diploma Matters; and Return on Investment for Florida's Workforce Programs.
- The National Center for Research on Early Childhood Education at the University of Florida, funded by IES, used an experimental, random assignment design to examine the impact of a professional support program for teachers that focuses on literacy and language instruction. The program aimed to improve the implementation of curricula and interactions with children, as well as to promote gains in children's social and academic development.
- The Appalachia Regional Educational Laboratory (REL) serves the applied education research needs of Kentucky, Tennessee, Florida, and West Florida. REL Appalachia has identified three priority research areas: ensuring college and career readiness, improving low-achieving schools, and supporting effective teachers and leaders. The REL Appalachia research team will focus on a targeted research agenda in these areas in partnership with research alliances of state and local school officials in our four states.

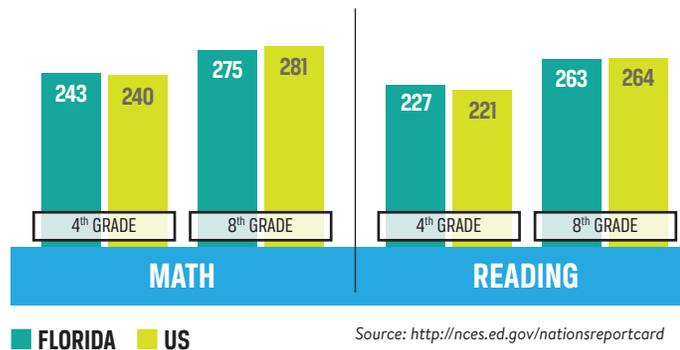
## Average Spending Per Student on Education



**NATIONAL AVERAGE: \$10,667**

Source: National Center for Education Statistics, Common Core of Data (CCD), 'School District Finance Survey (F-33)'

## Florida 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>