

## 2016 DR K–12 New Awards

*This list contains grants awarded summer - fall 2016.*

Award Number	Project	PI	Institution
1621416	<a href="#">Algebra Project Mathematics Content and Pedagogy Initiative</a>	Oliver Hill	Virginia State University Research Foundation
1620904	<a href="#">An Online STEM Career Exploration and Readiness Environment for Opportunity Youth</a>	Tracey Hall	CAST, Inc.
1621308	<a href="#">Analysis of Effective Science Coaching: What, Why and How</a>	Gwen Nugent	University of Nebraska-Lincoln
1621254	<a href="#">Building a Next Generation Diagnostic Assessment and Reporting System within a Learning Trajectory-Based Mathematics Learning Map for Grades 6-8</a>	Jere Confrey	North Carolina State University
1650648	<a href="#">Community for Advancing Discovery Research in Education (CADRE) 2017</a>	Catherine McCulloch	Education Development Center
1620910	<a href="#">Connected Biology: Three-Dimensional Learning from Molecules to Populations (Collaborative Research: Reichsman)</a>	Frieda Reichsman	Concord Consortium
1620746	<a href="#">Connected Biology: Three-Dimensional Learning from Molecules to Populations (Collaborative Research: White)</a>	Peter White	Michigan State University
1620580	<a href="#">Developing A Discourse Observation Tool and Online Professional Development to Promote Science, Oral Language and Literacy Development from the Start of School</a>	Amelia Gotwals	Michigan State University
1621005	<a href="#">Developing a Model of STEM-Focused Elementary Schools (eSTEM)</a>	Ann House	SRI International

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1620888	<a href="#">Developing Formative Assessment Tools and Routines for Additive Reasoning</a>	Caroline Ebby	University of Pennsylvania
1621117	<a href="#">Development and Empirical Recovery for a Learning Progression-Based Assessment of the Function Concept</a>	Edith Graf	Educational Testing Service
1621470	<a href="#">Development of the Electronic Test of Early Numeracy</a>	Arthur Baroody	University of Illinois at Urbana-Champaign
1621151	<a href="#">Doing the Math with Paraeducators: A Research and Development Project</a>	Judy Storeygard	TERC, Inc.
1620874	<a href="#">Enhancing Middle Grades Students' Capacity to Develop and Communicate Their Mathematical Understanding of Big Ideas Using Digital Inscriptional Resources (Collaborative Research: Dorsey)</a>	Chad Dorsey	Concord Consortium
1620934	<a href="#">Enhancing Middle Grades Students' Capacity to Develop and Communicate Their Mathematical Understanding of Big Ideas Using Digital Inscriptional Resources (Collaborative Research: Phillips)</a>	Elizabeth Phillips	Michigan State University
1621176	<a href="#">Geological Models for Explorations of Dynamic Earth (GEODE): Integrating the Power of Geodynamic Models in Middle School Earth Science Curriculum</a>	Amy Pallant	Concord Consortium
1620900	<a href="#">Improving the Implementation of Rigorous Instructional Materials in Middle Grades Mathematics: Developing a System of Practical Measures and Routines (Collaborative Research: Ahn)</a>	June Ahn	University of Maryland College Park

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1620863	<a href="#">Improving the Implementation of Rigorous Instructional Materials in Middle-Grades Mathematics: Developing a System of Practical Measures and Routines (Collaborative Research: Cobb)</a>	Paul Cobb	Vanderbilt University
1620851	<a href="#">Improving the Implementation of Rigorous Instructional Materials in Middle-Grades Mathematics: Developing a System of Practical Measures and Routines (Collaborative Research: Jackson)</a>	Kara Jackson	University of Washington
1621238	<a href="#">Improving the Implementation of Rigorous Instructional Materials in Middle-Grades Mathematics: Developing a System of Practical Measures and Routines (Collaborative Research: Smith)</a>	Thomas Smith	University of California, Riverside
1639340	<a href="#">INFEWS/T4: The INFEWS-ER: a Virtual Resource Center Enabling Graduate Innovations at the Nexus of Food, Energy, and Water Systems</a>	Luis Rodriguez	University of Illinois at Urbana-Champaign
1621301	<a href="#">InquirySpace 2: Broadening Access to Integrated Science Practices</a>	Chad Dorsey	Concord Consortium
1621194	<a href="#">Learning Evolution through Human and Non-Human Case Studies</a>	Briana Pobiner	Smithsonian Institution
1621438	<a href="#">Longitudinal Learning of Viable Argument in Mathematics for Adolescents</a>	David Yopp	University of Idaho
1621088	<a href="#">Modeling Assessment to Enhance Teaching and Learning (Collaborative Research: Lehrer)</a>	Richard Lehrer	Vanderbilt University
1621265	<a href="#">Modeling Assessment to Enhance Teaching and Learning (Collaborative Research: Wilson)</a>	Mark Wilson	University of California, Berkeley
1620979	<a href="#">Modest Supports for Sustaining Professional Development Outcomes over the Long-Term</a>	Cathy Ringstaff	WestEd

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1621104	<a href="#">Organizing to Learn Practice: Teacher Learning in Classroom-Focused Professional Development</a>	Meghan Shaughnessy	University of Michigan Ann Arbor
1621290	<a href="#">Proportions Playground: A Dynamic World to Support Teachers' Proportional Reasoning</a>	Chandra Orrill	University of Massachusetts, Dartmouth
1621161	<a href="#">Readiness through Integrative Science and Engineering: Refining and Testing a Co-constructed Curriculum Approach with Head Start Partners</a>	Christine McWayne	Tufts University
1621299	<a href="#">Sensing Science through Modeling: Developing Kindergarten Students' Understanding of Matter and Its Changes</a>	Carolyn Staudt	Concord Consortium
1621363	<a href="#">Sonified Interactive Simulations for Accessible Middle School STEM</a>	Emily Moore	University of Colorado at Boulder
1642187	<a href="#">STEM Videohall: Connecting Communities and Disseminating Cutting Edge Work through Video and Discourse</a>	Joni Falk	TERC, Inc.
1621294	<a href="#">Strengthening Mathematics Intervention Classes: Identifying and Addressing Challenges to Improve Instruction for Struggling Learners</a>	Amy Brodesky	Education Development Center
1636544	<a href="#">Supporting English Learners in STEM Subjects</a>	Heidi Schweingruber	National Academy of Sciences
1620920	<a href="#">Supporting Instructional Growth in Mathematics: Enhancing Urban Secondary Teachers' Professional Learning through Formative Feedback</a>	Ilana Horn	Vanderbilt University
1621011	<a href="#">Supporting Success in Algebra: A Study of the Implementation of Transition to Algebra</a>	Deborah Spencer	Education Development Center

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1620911	<a href="#">Synchronous Online Professional Learning Experiences for Middle Grades Mathematics Teachers in Rural Contexts</a>	Jeffrey Choppin	University of Rochester
1621333	<a href="#">Systemic Formative Assessment to Promote Mathematics Learning in Urban Elementary Schools</a>	Jonathan Supovitz	University of Pennsylvania
1621253	<a href="#">Understanding and Improving Learning from Online Mathematics Classroom Videos</a>	Michelle Perry	University of Illinois at Urbana-Champaign
1620913	<a href="#">Using Cognitive Science Principles to Help Children Learn Place Value (Collaborative Research: Mix)</a>	Kelly Mix	Michigan State University
1621093	<a href="#">Using Cognitive Science Principles to Help Children Learn Place Value (Collaborative Research: Smith)</a>	Linda Smith	Indiana University
1621289	<a href="#">Zoom In! Learning Science with Data</a>	William Tally	Education Development Center