2015 DR K-12 Awards

*This list contains newly awarded grants as well as grants continuing under a new award number.

<table>
<thead>
<tr>
<th>Award Number</th>
<th>Project</th>
<th>PI</th>
<th>Institution</th>
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<tbody>
<tr>
<td>1503399</td>
<td>An Efficacy Study of the Learning and Teaching Geometry PD Materials: Examining Impact and Context-Based Adaptations</td>
<td>Jennifer Jacobs</td>
<td>University of Colorado at Boulder</td>
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<tr>
<td>1461358</td>
<td>Building on the Success of Critical Issues in Mathematics Education Workshops</td>
<td>David Eisenbud</td>
<td>Mathematical Sciences Research Institute</td>
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<tr>
<td>1453493</td>
<td>CAREER: Proof in Secondary Classrooms: Decomposing a Central Mathematical Practice</td>
<td>Michelle Cirillo</td>
<td>University of Delaware</td>
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<tr>
<td>1445853</td>
<td>Design and Execution of a Design Laboratory (Learning Lab) for STEM Projects</td>
<td>Paul LeMahieu</td>
<td>Carnegie Foundation for the Advancement of Teaching</td>
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<tr>
<td>1503428</td>
<td>Design Technology and Engineering Education for English Learner Students: Project DTEEL</td>
<td>Rebecca Callahan</td>
<td>University of Texas at Austin</td>
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<tr>
<td>1503511</td>
<td>Developing Teachers’ Capacity to Promote Argumentation in Secondary Science</td>
<td>William Sandoval</td>
<td>University of California, Los Angeles</td>
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<tr>
<td>Grant Number</td>
<td>Title</td>
<td>Investigator(s)</td>
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<td>1503330</td>
<td>Development of Language-Focused Three-Dimensional Science Instructional Materials to Support English Language Learners in Fifth Grade (Collaborative Research: Lee)</td>
<td>Okhee Lee</td>
<td>New York University</td>
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<td>1502507</td>
<td>Development of Language-Focused Three-Dimensional Science Instructional Materials to Support English Language Learners in Fifth Grade (Collaborative Research: Valdes)</td>
<td>Guadalupe Valdes</td>
<td>Stanford University</td>
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<tr>
<td>1417878</td>
<td>Fostering STEM Trajectories: Bridging ECE Research, Practice, and Policy</td>
<td>Lori Takeuchi</td>
<td>Joan Ganz Cooney Center</td>
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<tr>
<td>1417757</td>
<td>Learning Labs: Using Videos, Exemplary STEM Instruction and Online Teacher Collaboration to Enhance K-2 Mathematics and Science Practice and Classroom Discourse</td>
<td>Pat Wasley</td>
<td>Teaching Channel</td>
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<td>1503507</td>
<td>Math Snacks Early Algebra Using Games and Inquiry to Help Students Transition from Number to Variable</td>
<td>Karin Wiburg</td>
<td>New Mexico State University</td>
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<td>1518824</td>
<td>Online Resources for Educating Students about Ebola and Other Emerging and Re-emerging Infectious Diseases</td>
<td>Jacqueline Miller</td>
<td>Education Development Center</td>
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<td>1446112</td>
<td>Personalizing Recommendations in a Large-Scale Education Analytics Pipeline (Collaborative Research: Kesselman)</td>
<td>Carl Kesselman</td>
<td>University of Southern California</td>
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<td>1446641</td>
<td>Personalizing Recommendations in a Large-Scale Education Analytics Pipeline (Collaborative Research: Pardos)</td>
<td>Zachary Pardos</td>
<td>University of California, Berkeley</td>
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<td>1446138</td>
<td>Personalizing Recommendations in a Large-Scale Education Analytics Pipeline (Collaborative Research: Ram)</td>
<td>Prasad Ram</td>
<td>EdNovo</td>
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<td>Lead Investigator(s)</td>
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<td>1503161</td>
<td>Precision Math: Using Interactive Gaming Technology to Build Student Proficiency in the Foundational Concepts and Problem Solving Skills of Measurement and Data Analysis</td>
<td>Christian Doabler</td>
<td>University of Oregon Eugene</td>
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<td>1417261</td>
<td>Refining a Model with Tools to Develop Math PD Leaders: An Implementation Study</td>
<td>Hilda Borko</td>
<td>Stanford University</td>
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<td>1503358</td>
<td>Scholarly Inquiry and Practices (SIP) Conference for Mathematics Education Methods</td>
<td>Wendy Sanchez</td>
<td>Kennesaw State University Research and Service Foundation</td>
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<td>1503481</td>
<td>SimScientists Games: Development of Simulation-Based Game Designs to Enhance Formative Assessment and Deep Science Learning in Middle School</td>
<td>Edys Quellmalz</td>
<td>WestEd</td>
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<td>1503170</td>
<td>SmartCAD: Guiding Engineering Design with Science Simulations (Collaborative Research: Chiu)</td>
<td>Jennifer Chiu</td>
<td>University of Virginia Main Campus</td>
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<td>1503436</td>
<td>SmartCAD: Guiding Engineering Design with Science Simulations (Collaborative Research: Magana-de-Leon)</td>
<td>Alejandra Magana-de-Leon</td>
<td>Purdue University</td>
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<td>1503196</td>
<td>SmartCAD: Guiding Engineering Design with Science Simulations (Collaborative Research: Xie)</td>
<td>Charles Xie</td>
<td>Concord Consortium</td>
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<td>Code</td>
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<td>Author</td>
<td>Institution</td>
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<td>1503153</td>
<td>STEM Practice-Rich Investigations for NGSS Teaching (SPRINT)</td>
<td>Julie Yu</td>
<td>Exploratorium</td>
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<td>1520689</td>
<td>Stopping an Epidemic of Misinformation: Leveraging the K-12 Science Education System to Respond to Ebola</td>
<td>Sean Smith</td>
<td>Horizon Research Inc.</td>
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<td>1503456</td>
<td>Strategies for Leading Classroom Discussions Aimed at Core Ideas and Scientific Modeling Practices</td>
<td>John Clement</td>
<td>University of Massachusetts Amherst</td>
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<tr>
<td>1503383</td>
<td>Teachers with GUTS: Developing Teachers as Computational Thinkers Through Supported Authentic Experiences in Computing Modeling and Simulation</td>
<td>Irene Lee</td>
<td>Santa Fe Institute</td>
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<tr>
<td>1503510</td>
<td>Teaching and Learning Algebraic Thinking Across the Middle Grades: A Research-Based Approach Using PhET Interactive Simulations</td>
<td>Katherine Perkins</td>
<td>University of Colorado at Boulder</td>
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<td>1502798</td>
<td>Thinking Spatially about the Universe: A Physical and Virtual Laboratory for Middle School Science (Collaborative Research: Sadler)</td>
<td>Philip Sadler</td>
<td>Smithsonian Institution Astrophysical Observatory</td>
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<td>1503395</td>
<td>Thinking Spatially about the Universe: A Physical and Virtual Laboratory for Middle School Science (Collaborative Research: Goodman)</td>
<td>Alyssa Goodman</td>
<td>Harvard University</td>
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<td>1503277</td>
<td>Thirteenth International Congress on Mathematical Education (ICME-13) Travel Grant</td>
<td>Gail Burrill</td>
<td>Michigan State University</td>
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<td>1523010</td>
<td>Transformative Robotics Experience for Elementary Students (TREES)</td>
<td>Ji Shen</td>
<td>University of Miami</td>
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<tr>
<td>1518346</td>
<td>Understanding Ebola Virus Disease</td>
<td>Mark Bloom</td>
<td>Biological Sciences Curriculum Study</td>
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