PISA² is an $11.5 million National Science Foundation-sponsored, Math Science Partnership program that involves teachers and administrators from several socio-economically and academically diverse NJ school districts, university faculty, researchers, policymakers and curriculum professional development experts at the Center for Innovation in Engineering and Science Education (CIESE). This consortium proposes to significantly increase the quantity, quality, and diversity of teachers prepared to teach STEM subjects in grades 3-8 and realize measured gains in student achievement across subgroups.

Teacher Eligibility: 3rd to 8th grade teachers in New Jersey schools/districts who teach science as all or part of their curricula are invited to apply to the PISA² Teacher Leaders program. Teachers in partner districts will receive priority consideration.

PISA² Teacher Leaders select and attend one of the grade level specific Professional Development (PD) Institutes for the Summer of 2016.

<table>
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<tr>
<th>Grades 3-5</th>
<th>Grades 6-8</th>
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<tr>
<td>Moving towards the NGSS in Physical Science</td>
<td>Moving towards the NGSS in Physical Science</td>
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<td>July 18-22</td>
<td>July 11-15</td>
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<td>Stevens Institute</td>
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<td>Hoboken, NJ</td>
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<tr>
<td>Moving towards the NGSS in Physical Science</td>
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<td>FEA</td>
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<td>Monroe, NJ</td>
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About CIESE:
The mission of the Center for Innovation in Engineering and Science at Stevens Institute of Technology is to catalyze and support excellence in teaching and learning science, technology, engineering, mathematics (STEM) and other core subjects through innovative, research-based instructional strategies and use of novel technologies.
PISA² Teacher Leader Benefits
- Science content/pedagogy Institutes and PD workshops
- Deeper understanding of the NGSS
- Hands on experience integrating engineering design into science classrooms
- Classroom support visits by CIESE Specialists
- $1,000 Institute completion stipend
- $200 Institute of classroom materials

PISA² Teacher Leader Commitments
- Complete all PISA² program components and activities including: attend 5 days of the summer institute session, attend 2 school year PD workshops, participate in classroom support visits with CIESE Staff and complete evaluations
- Implement research-based STEM classroom activities
- Participate in PISA² special events

District Benefits
- Enhanced teacher knowledge and pedagogy expertise in science and engineering
- Increased science and engineering literacy & 21st century skill acquisition of students
- Preparation for the Next Generation Science Standards
- Partnerships with other districts, national science organizations, Stevens Institute of Technology and CIESE
- Monetary provision to offset substitute teacher costs

District Commitments
- Support PISA² Teacher Leaders’ participation in all program components including attendance at the summer Institute and 2 school year PD sessions.
- Support classroom visits by CIESE specialists
- Maintain teachers’ assignment in grades 3-8 science
- Support project evaluation and research efforts

Acceptance to PISA² is based on eligibility and location capacity.

For more information, contact:
Kathy Kennedy, PISA² Program Manager
at the address, phone or email below and visit our website:
www.stevens.edu/ciese/pisa2

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Apply to be a PISA² Teacher Leader:
Submit an application by April 1st, 2016 online at
http://www.stevens.edu/ciese/pisa2
or via mail, fax or email to:
Patricia Slater
Stevens Institute of Technology
Castle Point on Hudson
Hoboken, NJ 07030
Fax: 201-216-8069
Phone: 201-216-5375
Email: Patricia.Slater@stevens.edu

PISA² Partnership to Improve Student Achievement in Physical Science: Integrating STEM Approaches

A Five-Year National Science Foundation Math-Science Partnership Program

Center for Innovation in Engineering & Science Education (CIESE)
Recipient of: The Presidential Award for Excellence in Science, Math, and Engineering Mentoring