**IMPACT FOR K-12 SCHOOLS IN INDIANA**

<table>
<thead>
<tr>
<th>School Partnerships</th>
<th>School Improvement in Science and Mathematics</th>
<th>Metrics</th>
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| Long-term partnerships with schools to improve achievement in science and mathematics  
  - Professional development  
  - Curriculum enhancement  
  - Strategic planning  
  - Standards-based pedagogy | • Addressing academic standards  
  • Teacher professional development  
  • Integrated STEM  
  • Building school and teacher leadership | Since 1989 Science K-12 Outreach work has included  
  • Over 5,000 school visits  
  • Over 19,000 teachers participating  
  • Over 840,000 students participating  
  • Over $16,000,000 expended for K-12 science and mathematics programs |

**Technology in K-12 Classrooms**

- Student use of scientific instrumentation  
- Science Express  
- Equipment loans and delivery  
- Instrumentation practice and theory

**State Involvement**

Cooperative relationships with  
- K-12 schools  
- Higher education  
- Government organizations  
- Business and industry  
- Not-for-profit organizations  
- Teacher organizations

**Research for Effective Practices**

- Purdue faculty research  
- Applied pedagogy  
- School and student data analysis