

**INDIANA'S
MATHEMATICS AND SCIENCE
PARTNERSHIP PROGRAM
(INDIANA ESEA TITLE II, PART B MSP)
No Child Left Behind Act of 2001
Public Law 107-110
Title II, Part B**

Competitive Grant Application

FUNDING SCALE:

20 - 39 Teacher Participants = \$250,000 per 3 year cycle
40 – 59 Teacher participants = \$450,000 per 3 year cycle
60 – 80+ Teacher participants = \$650,000 per 3 year cycle

PROGRAM BACKGROUND

In January of 2002, the No Child Left Behind Act of 2001 (NCLB) became law. The Improving Teacher Quality Grant Programs (NCLB Title II) are major components of the No Child Left Behind legislation. These programs encourage scientifically-based professional development as a means for improving student academic performance. As schools are responsible for improving student learning, it is essential to have highly qualified teachers leading the way.

Title II, Part B of this legislation authorizes a Mathematics and Science Partnership (MSP) competitive grant program within each state. The Indiana Department of Education (IDOE) is responsible for the administration of this program. The program is intended to increase the academic achievement of students in mathematics and science by enhancing the content knowledge and teaching skills of classroom teachers.

Strong partnerships between (a) qualifying high-need school systems, (b) science, technology, engineering, and mathematics (STEM) faculty, and (c) school or college of education faculty in institutions of higher education are at the core of these improvement efforts. Such partnerships assume responsibility for designing, implementing, and evaluating professional learning programs that effect deep, lasting improvement in mathematics and science education through three broad means:

- (1) Providing opportunities for enhanced and ongoing professional learning of mathematics and science teachers that improves their content knowledge and instructional practice;

- (2) Using scientifically-based researched teaching methods to promote strong teaching skills for mathematics and science teachers; and
- (3) Establishing and operating intensive mathematics and science institutes for teachers with follow-up training and support.

These activities must result in a demonstrable and measurable improvement in student academic achievement in mathematics and science. Each partnership's plan must describe how the applicants will evaluate the success of their partnership. Specifically, applicants must explain how they will determine whether partnership activities have improved the academic achievement of students in mathematics and/or science.

Any and all schools may apply, if schools contain fewer than 20 teachers, please consider partnerships with other schools and districts. The Math Science Partnerships grant seeks to professionally develop as many teachers in as many areas of the state as possible.

PROGRAM GOALS and REQUIRED COMPONENTS

The purpose of Indiana's Title II, Part B MSP Competitive Program is aligned to current STEM initiatives in Indiana and the United States. Partnerships may submit an application for a **3 year** grant (December 1, 2013 through December 1, 2016), according to the number of teachers and the funding scale. However, grants will only receive funding **1 year** at a time, with possibility for **2** additional **1 year** renewals, if grantees are found to be in accordance with the purposes outlined below.

Improve and upgrade the status and stature of **Math and Science K-12** education with an additional focus on relevant **STEM Education***, defined by the program goals below:

1. Establish a comprehensive, integrated system of **recruiting and retaining** teachers;
2. Continual training and advising teachers, while also incorporating the *Indiana's Common Core Standards for Mathematics and Indiana's Academic Standards for Science with particular impetus on the Math Practices and Science and Engineering Process Standards*;
3. Improve instruction through **inquiry and relevant integration** and collaboration between the subjects of Science, Math, Technology, and Engineering as evidenced by teacher evaluations;
4. Developing **cross disciplinary instructional strategies**, resources, and lessons in the STEM disciplines;
5. Improve **student achievement in the Science and Math** content areas, evidenced by improvement and growth in state-wide assessments;
6. Increase interest of students to **pursue careers in the STEM fields**, specifically **female students and underrepresented populations**; and
7. Increase the **content and pedagogical knowledge** of the teachers.

More information can be found at: <http://www.doe.in.gov/achievement/curriculum/math-and-science-partnership-program>