

# **MICHIGAN DEPARTMENT OF EDUCATION**

Office of Education Improvement & Innovation

## **2010-2011 Math/Science Centers Section 99(6) Grant**

### **INFORMATION AND APPLICATION**

#### **GENERAL INSTRUCTIONS**

##### **INTRODUCTION**

The Michigan Department of Education (MDE) is offering a competitive grant to a single Intermediate School District (ISD) to work in partnership with the Michigan Math/Science Centers (MSC) to implement the Michigan Merit Curriculum components for mathematics and science.

Public Act 110 of 2010, Section 99(6) allocates an amount of \$750,000 to support Math/Science Centers to provide curriculum and professional development support to assist districts in implementing the Michigan Merit Curriculum components for mathematics and science.

The grant criteria outlined in this announcement and supporting application was approved by the State Board of Education on August 10, 2010. Should any adjustments to the grant application be required, that information will be posted on the MDE Website at <http://www.michigan.gov/mde-grants> under the "What's New" section. Please check this section prior to submitting your application.

##### **PURPOSE OF THE GRANT**

The goal of this grant is to fund those Math/Science Centers able to provide curriculum and professional development support to assist districts in implementing the Michigan Merit Curriculum components for mathematics and science.

##### **GRANT RANGE**

One grant will be awarded in the amount not to exceed \$750,000.

**Total Funds Available: \$750,000**

##### **ELIGIBLE APPLICANTS**

A single grant will be made available to an ISD to work in partnership with the Math/Science Centers in providing assistance implementing the Michigan Merit Curriculum components for mathematics and science.

## GRANT REQUIREMENTS

The ISD in partnership with the Math/Science Centers, will use the grant to develop and implement a professional development program designed to improve learning for all students that meet the following criteria:

- Organize adults into learning communities whose goals are aligned with those of the school and district.
- Creates school and district instructional leaders who guide continuous instructional improvement.
- Uses national evidence-based research to determine adult and student learning priorities.
- Uses disaggregated student data to monitor student progress and help sustain continuous improvement.
- Uses multiple sources of information to guide improvement and demonstrate its impact.
- Prepares educators to use data for decision making.
- Uses learning strategies appropriate to the intended goal.
- Applies knowledge and research about human learning and change.
- Provides educators with the knowledge and skills to collaborate.
- Prepares educators to understand and appreciate all students; create safe, orderly, and supportive learning environments; and hold high expectations for their academic achievement.
- Deepens educators' math and science content and pedagogical knowledge, provides them with research-based instructional strategies supported by the "Teaching for Learning Framework," and prepares them to use various types of classroom assessments appropriately.
- Integrates science, mathematics, career and technical education for a unified vision of Science, Technology, Engineering and Mathematics (STEM).

## ASSURANCE OF ACCURACY

For each application, an assurance must be submitted stating that all information provided within is true and accurate. If, during the implementation of any funded project, MDE establishes that inaccurate or false information was provided in the application, the grant may be rescinded.

## CLOSING DATE AND SUBMISSION INSTRUCTIONS

The original copy bearing ORIGINAL signatures and three (3) additional copies (for a total of four) of the grant application **must be postmarked by October 29, 2010**, to Mr. Kevin Richard, at the following address:

Michigan Department of Education  
Office of Education Improvement & Innovation  
P.O. Box 30008  
Lansing, MI 48909

If shipping by overnight express or UPS, the following address must be used:

Michigan Department of Education  
Office of Education Improvement & Innovation  
608 West Allegan Street  
Lansing, MI 48933  
517-373-4223

The tentative time frame for the operation of this grant program includes these major milestones:

October 29, 2010	Applications postmarked by October 29, 2010
November 5, 2010	Competitive review
November 12, 2010	Funding recommendations presented to the Superintendent of Public Instruction
November 23, 2010	Winner announced and award letter issued
October 30, 2011	Final Expenditure Report due
November 30, 2011	Final Performance Report due

### **REJECTION OF PROPOSALS**

MDE reserves the right to reject any and all proposals received as a result of this announcement.

### **REQUIRED ACTIVITIES**

The selected grantee must work in partnership with the Michigan Math/Science Centers and:

1. Be an intermediate school district that currently receives a Section 99 Grant to operate a Mathematics and Science Center.
2. Establish a consortium with a majority of the Mathematics and Science Centers.
3. Submit a consortium application as defined by the Michigan Department of Education.
4. Collect, analyze, and use quantitative and qualitative teacher and student data to monitor and adjust the program.
5. Work with the consortium to research and determine areas of student needs that will be the focus of the professional development and professional learning communities.
6. Plan, conduct, and evaluate an intensive five-day summer professional development series addressing the major student needs and appropriate strategies to support student learning in both science and mathematics.
7. Plan, conduct, and evaluate a job-embedded six-day professional learning community series to support student learning in both science and mathematics.

8. Develop an evaluation process that measures the effect of the professional development provided.
9. Develop an evaluation process that measures the effect of the program on teachers' content knowledge, classroom practices, and skills in analyzing student work.
10. Develop an evaluation process that measures the effect of the program on students of participating math and science teachers including achievement and opportunities to learn in new ways.

## **REVIEW PROCESS**

MDE utilizes an expert review panel when scoring its competitive grants. For this grant program, review teams will be composed of people both within MDE and outside MDE as needed, with expertise in mathematics, science, and education. MDE staff will supervise the review.

Grant reviewers may be high school teachers, district administrators, people with mathematics, science, and education expertise, or individuals with professional development and Michigan Merit Curriculum experience.

Award selection will be based on merit and quality, as determined by points awarded for the Review Criteria Section and all relevant information. The following rubric will be used as a rating instrument in the review process. All funding will be subject to approval by the Superintendent of Public Instruction. All applicants will be notified of the Superintendent's action.

The maximum score for the following criteria is 100 points. In addition to the content of the rubric categories below, the Superintendent of Public Instruction may apply other factors in making funding decisions, such as (1) duplication of effort; (2) duplication of funding; (3) performance of the fiscal agent on previously funded initiatives; and (4) geographic representation.

## **REVIEW CRITERIA**

The scoring rubric below should be used as a guide when writing the proposal. The reviewers will judge proposals against the elements described in the rubric. A narrative that is written in the sequence of the rubric facilitates evaluation by the grant readers.

## SCORING RUBRIC

### A. Collaboration

1. Describe how you will create a collaborative partnership with the MSC Network.
2. Provide evidence of your commitment to create this partnership, including a signed certification/statement of exclusive support from the majority of Center directors (17 of 33).

This section of the proposal is worth a maximum of **40 points**.

<b>Marginally comprehensive, lacks rigor</b>	<b>Comprehensive, rigorous</b>	<b>Exceptionally comprehensive and rigorous</b>
The proposal:  provides an incomplete description of how the ISD will create a collaborative partnership with the MSC Network and does not provide evidence of commitment.	The proposal:  provides a description of how the ISD will create a collaborative partnership with the MSC Network and provides evidence of commitment.	The proposal:  provides a clear and detailed description of how the ISD will create a collaborative partnership with the MSC Network and provides evidence of commitment.

### B. Experience

1. Describe your experience in managing large-scale professional development education projects.
2. Describe how evaluation data will be collected and reported.

This section will be worth **15 points**.

<b>Marginally comprehensive, lacks rigor</b>	<b>Comprehensive, rigorous</b>	<b>Exceptionally comprehensive and rigorous</b>
The proposal:  provides an incomplete description of the ISDs experience in managing large-scale, professional development education projects; and	The proposal:  provides a description of the ISDs experience in managing large-scale professional development education projects; and	The proposal:  provides a clear and detailed description of the ISDs experience in managing large-scale, professional development education projects; and
provides an incomplete description of the ISDs experience in managing evaluation data.	provides a description of the ISDs experience in managing evaluation data.	provides a clear and detailed description of the ISDs experience in managing and monitoring evaluation data.

**C. Work Plan/Timeline**

1. Detail your proposed plan of work and how you will provide the professional development necessary for the participating Centers.
2. Provide a project timeline.

This section of the proposal is worth a maximum of **25 points**.

<b>Marginally comprehensive, lacks rigor</b>	<b>Comprehensive, rigorous</b>	<b>Exceptionally comprehensive and rigorous</b>
The proposal:  does not describe how the ISD in partnership with the MSC Network will provide the professional development; and	The proposal:  provides a description of how the ISD in partnership with the MSC Network will provide the professional development; and	The proposal:  provides a comprehensive description of how the ISD in partnership with the MSC Network will provide the professional development; and
does not provide a project timeline.	provides a project timeline.	provides a clearly defined and detailed project timeline.

**D. Outreach**

Provide a description of how the ISD in partnership with the MSC Network will provide information, and outreach about this program to all high schools in Michigan.

This section of the proposal is worth a maximum of **10 points**.

<b>Marginally comprehensive, lacks rigor</b>	<b>Comprehensive, rigorous</b>	<b>Exceptionally comprehensive and rigorous</b>
The proposal:  does not provide a clear description of how the ISD in partnership with the MSC Network will provide information and outreach.	The proposal:  provides a clear description of how the ISD in partnership with the MSC Network will provide information and outreach.	The proposal:  provides a clear and detailed description of how the ISD in partnership with the MSC Network will provide information and outreach.

## E. Program Budget

Provide a budget of the entire program. Describe the expenses the ISD anticipates in the entire 2010-2011 fiscal year. Include anticipated costs for the planning, evaluation, Centers' reimbursement, program development, etc. Use the Budget Worksheet provided and include a budget narrative to support the Budget Worksheet. The grant budget cannot exceed \$750,000.

This section of the proposal is worth a maximum of **10 points**.

<b>Poor, incomplete, not comprehensive</b>	<b>Comprehensive, rigorous</b>	<b>Exceptionally comprehensive and rigorous</b>
The budget:  is limited in scope and does not provide a detailed plan of how grant funds will be expended.	The budget:  is complete and provides information on the use of grant funds including the planning, evaluation, Centers' reimbursement, program development, and other expenditures.	The budget:  is complete and provides detailed information on the use of grant funds including the planning, evaluation, Centers' reimbursement, program development, and other expenditures.

## INFORMATION CONCERNING OTHER REQUIREMENTS

### Length of Award

The grant award will have a start date of October 1, 2010, with an ending date of September 30, 2011. Funding will be effective immediately following the Superintendent of Public Instruction approval of the grant award.

### Payment Schedule

Payments to the grantee will be made available when the grant award letters are signed by the State Superintendent of Public Instruction.

### Questions

Questions regarding the **Math/Science Centers Section 99(6) Grant** may be directed to Kevin Richard, Science Education Consultant, Michigan Department of Education, (517) 373-4223, [RichardK1@michigan.gov](mailto:RichardK1@michigan.gov).