



STATE OF MICHIGAN  
DEPARTMENT OF EDUCATION  
LANSING



JENNIFER M. GRANHOLM  
GOVERNOR

MICHAEL P. FLANAGAN  
SUPERINTENDENT OF  
PUBLIC INSTRUCTION

November 23, 2009

**MEMORANDUM**

**TO:** State Board of Education

**FROM:** Michael Flanagan, Chairman 

**SUBJECT:** Approval of Criteria for Grants to Create and Implement Middle College High Schools Focused on the Field of Health Sciences or Science, Technology, Engineering, and Mathematics (STEM)

The Michigan Legislature, with the 2009 State School Aid Act, Section 64, (1), appropriated \$2,000,000 for grants to create and implement Middle College High Schools focused on the field of health services or Science, Technology, Engineering, and Mathematics (STEM). The grantees will enter into a consortium with a community college or state public university, an accredited hospital, or other appropriate entity representing STEM employment opportunities.

The Middle College High School will be organized in such a manner that it will provide courses and other requirements that will allow a pupil to graduate with a high school diploma and a certificate or degree from a community college or state public university.

The Middle College High School will develop outreach programs to provide information about career opportunities in the health sciences and STEM areas to middle school and high school students. The Middle College High School will have a curriculum that includes entry-level college courses and offers clinical rotations and business/industry/laboratory experiences that provide opportunities for pupils to observe careers in the health sciences. Each student enrolled in the middle college will have an individualized education plan.

It is recommended that the State Board of Education approve the criteria for the Middle College High School Health Sciences or Science, Technology, Engineering, and Mathematics Grants, as attached to the Superintendent's memorandum, dated November 23, 2009.

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Criteria for Grants to Create and Implement Middle College High School Focused  
on the Field of Health Sciences or Science, Technology, Engineering, and  
Mathematics (STEM)

The State Board of Education has adopted as its Strategic Goal, "Attain substantial and meaningful improvement in academic achievement for all students/children with primary emphasis on high priority schools and students."

To the extent possible, all grant criteria and grant awards will serve to further attain the above goal, and the Board's Vision and Principles of Universal Education.

**PRIORITIES, POLICIES, AND PROGRAMS THAT THESE CRITERIA SUPPORT**

These criteria support the priorities of the Board to reimagine the pre-K-12 educational system and to advocate and promote high school reform, with an emphasis on relevance, relationships, and implementation.

**BACKGROUND/PURPOSE OF GRANT**

Competitive     Formula     New     Continuation    (*check all that apply*)

The grants provide funding for the planning and start-up of new early/middle college high schools. Early/middle college high schools give students the opportunity to earn a high school diploma and an associates degree or transferable credits concurrently.

**CRITERIA**

Date criteria were last approved: September 12, 2006

Defined in Legislation     Defined in Department's Approved Grant Application to the Funder     Proposed by Staff

The grants awarded will be planning grants, with preference given to Project Reimagine demonstration districts. The successful applicants will describe how they will address the following during the planning process.

- The Intermediate School District, Project Reimagine demonstration district, or district of the first class will establish a consortium with a community college or state public university, an accredited hospital or other appropriate entity representing STEM employment opportunities, that:
  - Provides a teaching location on the college campus and/or hospital or other entity site
  - Integrates the Middle College High School into the organization of the college, hospital, and other entity, including locating the middle college in the community college/state university and/or hospital/employer facilities
  - Coordinates the calendars of the community college/state university and the Middle College High School
- Establish outreach programs to provide information to middle school and high school students about career opportunities relative to health science and STEM occupations

- Establish an individualized education plan for each pupil enrolled. The individualized learning plan will be reviewed each semester
- Grant a high school diploma, a certificate or a degree from a community college or state public university, or transferable college credits
- Create a curriculum characterized by collaborative, project-based, interdisciplinary curricula that will include clinical rotations or internships for pupils to observe careers in the health sciences and STEM areas
- Provide a structured student support system which will combine the roles of teacher and counselor
- Measure student outcomes by multiple assessments including performance-based assessments, teacher/mentor observation, and portfolios
- Target students who are underserved in the current high school structure

### **ELIGIBLE APPLICANTS/TARGET POPULATION TO BE SERVED BY GRANT**

Grants will be made available to consortia consisting of an ISD, a Project Reimagine demonstration district or a district of the first class, a community college or public university, an accredited hospital, or an entity representing STEM employers.

### **TOTAL FUNDS AVAILABLE**

\$2,000,000 for grants to create Middle College High Schools focused on the field of health sciences or STEM.

### **LEGISLATION**

2009 State School Aid Act, Section 64, (1)

### **OFFICE ADMINISTERING GRANT/PROGRAM CONTACT**

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