

Review Guide

Each region within the MiSTEM Network conducted a needs assessment to guide the work within the region and connect with needs from other regions. Regional needs were compared to map commonalities across regions and align strategies found in the STEMWorks programs recommended by the MiSTEM Advisory Council. Consortia around individual strategies addressing regional needs were formed. This guide is used for administrative review to assess grant requirements, as well as to document requests for modification or acceptance of the grant application.

I. Consortium Members

A consortium must be comprised of at least one:

- MiSTEM Network Region,
- one or more LEA/ISD, and
- at least one representative of a non-educational community partner

II. Need

- The statement of need is clear, compelling, and supported by recent, valid, and targeted data, including but not limited to student data.

Feedback/Comments

- The application addresses equity issues, including clear consideration of marginalized, historically underrepresented, or historically underserved populations.

Feedback/Comments

- Target audiences are well defined and closely tied to the statement of need.

Feedback/Comments

2020-2021 Section 99s(3) and (4) MiSTEM Advisory Council Grants

III. Alignment with Legislative and Program Description

The selected program has a STEMworks certificate.

- Yes - Compliant
- No – Continuation Year

*The application clearly outlines a program that provides:

- STEM student programming
- Project-based experiential learning
- Educator professional learning

*The application clearly outlines a program that focuses predominantly on classroom-based:

- STEM experiences, or
- professional learning experiences.

Legislation also specifies that the MiSTEM Advisory Council approve at least one program in each of the following areas: robotics; computer science or coding; or engineering or bio-science. The application indicated one of these areas. If not, mark other and indicate STEM focus.

- Robotics
- Computer science or coding
- Engineering or bio-science
- Other, please describe: [Click here to enter text.](#)

**Must have a minimum of one checkbox selected for grant approval.*

IV. Implementation Plan

The application provides a clear and convincing description of how the implementation plan addresses the annual priorities through the lens of pillars two and three of the [MiSTEM Advisory Council's vision for STEM education](#). Sustainability and capacity building should be addressed throughout. The Priorities are:

- *Strengthen the Network*
 - Address disparities across the system
 - Continue the development of problem-, place- and project-based learning (3-P learning)
 - Inspire learning through community partnerships
- *Contribute to the COVID-19 Response*
 - Allow grantees to be responsive

2020-2021 Section 99s(3) and (4) MiSTEM Advisory Council Grants

- Collaborate to support diverse environments where students are learning
- Provide tools for STEM educators and districts
- *Elevate Computer Science*
 - Award grant funds to support computer science
 - Partner with DTMB to increase access to real-world computer science experiences
 - Collaborate with partners, especially MDE and school districts statewide, to systematically increase access to computer science

Feedback/Comments		
Pillar 2 – Empower STEM Educators	Pillar 3 – Integration of Business/Industry and Education	Advisory Council Annual Priorities

Standards alignment

- The application clearly and explicitly describes how the program is aligned with Michigan’s science, computer science, and/or mathematics standards
- Standards align to the statement of need
- Alignment to other standards is provided as appropriate

Feedback/Comments

V. Plan of Work

- The activities/tasks are listed so that they provide a clear picture of the scope and sequence of the program implementation. The activities themselves are clearly linked to the identified needs, program selected, and pillar 2, 3, or a Statewide STEM Strategy Priority.
- All activities take place between October 1, 2020, and September 30, 2022.
- Local agency, business, and/or community support is visible in the activities list
- The applicant uses the application template provided

Feedback/Comments

VI. Budget

- The budget is realistic for the described plan of work
- Each Network Region clearly indicated the allotment of their MiSTEM Advisory Council grant dollars to be used in the consortium application, based on the needs identified as described above.

- Each line item aligns to an activity/task within the Plan of Work
- The budget:
 - Does not include more than 5% for indirect funds
 - Anticipates expenses associated with data collection requirements
 - Includes local agency, business, and/or community financial or in-kind support

Feedback/Comments

VII. Capacity

- Documentation is provided that demonstrates the expertise of the individuals/team that will be implementing the activities
- Documentation is provided that demonstrates the capacity of the entity applying for the funds to manage the project, organize the work, and meet deadlines

VIII. Data Collection/Evaluation

- Assurance is made that the fiscal agent and consortium members will commit to completing required surveys from the MiSTEM evaluators