

2020-21 MiSTEM Council Grant Consortium Work Plan Template

This template must be completed in its entirety and uploaded into MEGS+ along with any relevant supporting materials by December 18, 2020. Only consortia that were recommended for funding will complete this form. The fiscal agent supporting this consortium should be the point of contact and submitting agency for these application materials.

The MiSTEM Advisory Council has recommended 14 STEMworks Program consortia and 11 Fiscal Agents to execute and expand the Statewide STEM Strategy. The MiSTEM Advisory Council in partnership with MDE and LEO seeks sustainable, cost-effective statewide and regional collaborations that will organize ISDs, districts, Institutes of Higher Education (IHE), and community/business partners into manageable consortia to help every region implement the Statewide STEM Strategy. Continuing and new consortium leaders will receive funds to address the activities detailed in the plan below, provide project management, and lead in statewide sustainability efforts.

I. Consortium Members

Name of Fiscal

Legislation directs the MiSTEM Advisory Council to approve programs that represent all the [MiSTEM Network Regions](#). Which regions are a member of this consortium?

- Region 1 – Barry ISD, Berrien RESA, Branch ISD, Calhoun ISD, Kalamazoo RESA, Lewis Cass ISD, St. Joseph ISD, Van Buren ISD
- Region 2 – Hillsdale ISD, Jackson ISD, Lenawee ISD, Livingston ISD, Monroe ISD, Washtenaw ISD
- Region 3 – Wayne RESA
- Region 4 – Macomb ISD
- Region 5 – Oakland Schools
- Region 6 – Genesee ISD, Lapeer ISD, St. Clair RESA
- Region 7 – Clinton RESA, Eaton ISD, Ingham ISD, Ionia ISD, Shiawassee RESD
- Region 8 – Allegan RESA, Kent ISD, Montcalm ISD, Muskegon ISD, Newaygo ISD, Ottawa ISD
- Region 9 – Manistee ISD, Mecosta-Osceola ISD, West Shore ESD, Wexford Missaukee ISD
- Region 10 – Bay Arenac ISD, Clare Gladwin RESD, Gratiot Isabella RESD, Midland ESD, Saginaw ISD

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- Region 11 – Huron ISD, Sanilac ISD, Tuscola ISD
- Region 12 – AMA ESD, COOR ISD, COP ESD, Iosco RESA
- Region 13 – Char-Em ISD, TBA ISD
- Region 14 – EUP ISD
- Region 15 – Delta Schoolcraft ISD, Dickinson Iron ISD, MARESA, Menominee ISD
- Region 16 – Copper Country ISD, Gogebic-Ontonagon ISD

Proposed Partners and Collaboration

The MiSTEM Advisory Council is looking for consortium plans that show evidence of regional collaboration. Attach and upload all letters of support/commitment and add additional lines as necessary in the tables below.

List the districts, ISDs, IHEs, etc. that will be a contributing partner of the proposed program implementation.

Organization	Point of Contact	Role Within the Project

List the non-educational community partners such as: workforce developers, economic developers, community organizations, regional employers, and/or business associations, etc. that will be a contributing partner of the proposed program implementation.

Organization	Point of Contact	Role Within the Project

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Number of **educators** proposed to be served:

Number of **students** proposed to be served directly through classroom-based programs and/or indirectly through educator PD:

II. Need

Provide a clear and compelling statement of need supported by recent, valid, and targeted data. The need statement could come directly from your regional strategic plan. The data must also address equity issues, including clear consideration of marginalized, historically underrepresented or historically underserved populations. Provide specific data from consortium members, which should include:

- Comprehensive needs assessment data (MDE Regional Consultants)
- Perkins V Comprehensive Local Needs Assessment (Career Education Planning District Directors)
- Student/teacher/community surveys
- Student/teacher demographic data
- District improvement plans (MI Integrated Continuous Improvement Plans, Continuous Improvement Facilitator Network members)
- Workforce needs data (from Career Education Advisory Councils, Talent Development Liaisons, and/or Labor Market Information partners)
- Regional Strategic Plan data

III. Program description

The grant funds must be used to support transformative activities that sustain the implementation of a program found in the [STEMworks database](#) and most closely aligns to the needs described above. Enter the name of the STEMworks certified program that will be supported with these grant funds. Describe how the selected program will address the needs outlined in the needs statement.

The grant funds must be used to support the implementation of predominantly classroom-based STEM student programming or project-based experiential learning; or educator professional learning.

Check all that apply to the program for which funds are requested.

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

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. Which focus does this grant address? Please indicate by checking the appropriate box.

- Robotics
- Computer science or coding
- Engineering or bio-science
- Other, please describe:

IV. Implementation Plan

The Work Plan must support the implementation of 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.

Explain how the selected STEMworks program and consortium implementation activities explicitly address Pillar 2 - empower STEM educators.

Click here to enter text.

Explain how the selected STEMworks program and consortium implementation activities explicitly addresses Pillar 3 - integration of business/industry and education.

Click here to enter text.

Explain how the proposed STEMworks program and consortium implementation activities explicitly address the Council annual priorities of: Strengthen the Network, Contribute to the COVID-19 Response, and/or Elevate Computer Science.

Click here to enter text.

Programs must also align with [Michigan's academic standards](#). Describe clearly and explicitly how the program is aligned with and will support implementation of Michigan's science, computer science, and/or mathematics standards. Include other standards as appropriate to move forward the cross-disciplinary nature of STEM.

Click here to enter text.

Plan of Work

- Describe the proposed activities that will address the needs outlined above. Add additional lines to this document as needed. Supporting materials should be

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referenced and attached to this document. One file should be uploaded to MEGS+ under the attachment section.

Timeline	Activity/Task Description	Cost (denote funding source)	Staff/Partner Responsible	List Pillar 2 and/or 3 and the Advisory Council Priority Area Alignment

V. Budget

Complete the budget in MEGS+. Activities should take place between October 1, 2020 and September 30, 2022. In the spirit of the [MiSTEM Advisory Council vision for STEM education](#), local community business support is encouraged and therefore any local agency share and community support should be visible in the budget and plan of work. The budget should be realistic for the described plan of work with no more than 5% for indirect costs to the fiscal. The budget should also reflect anticipated expenses associated with data collection requirements.

A separate spreadsheet should outline the regional allocation dedicated to this consortium. A template will be provided.

VI. Capacity

Provide a description of the expertise of the team who will implement the activities and the capacity of the entity applying for the funds to manage the project, organize the work, and meet the deadlines.

Supporting materials can be referenced and uploaded into the MEGS+ application. They might include:

- Resumes or vitae (limit to no more than 3 pages each)
- Flyers or other documentation of work related to program implementation
- Documentation of impact of previous work (i.e. teacher/student/parent testimonies, impact data, etc.)

Click here to enter text.

VII. Data Collection/Evaluation

Grantees will be expected to do the following:

Collect participation and activity data: 1) number of educator, student, and other participants, 2) grade levels and subject (for middle-high school) taught by teachers; 3) activities/interventions completed by participants (workshops and other direct interventions completed during the grant period), 4) number of hours for each activity/intervention, 5) schools and districts served by the grant, 6) collaborations with other organizations, and 7) funding and in-kind support obtained from leveraging grant funds.

A template will be provided to grantees to maintain this information for final reporting.

Assess strengths and limitations of the interventions, such as: 1) end of session participant questionnaires, 2) periodic staff/facilitators perceptions of effectiveness of interventions, 3) review of program developed products by participants as part of program expectations, and 4) review of other information as available. This information should be used by grant managers and project facilitators to make adjustments in the programming based on participant feedback.

Impact evaluation: Facilitate participant completion of required surveys and interviews from the MiSTEM Council and MiSTEM region evaluators. These surveys and interviews will be designed to assess grant program effectiveness and are for impact study purposes only, thereby protecting student and teacher privacy. The information cannot be used for school accountability or educator evaluation purposes.

Check here to indicate that you agree to meet these requirements.