



Iowa Governor’s STEM Advisory Council
Guidelines for

STEM BEST® H.D. Program
Businesses Engaging Students and Teachers

Application Rubric

Executive Summary: The applicant will provide in the application a brief summary of the overall project. (500 Words or Less)

Previously Awarded Schools: A past STEM BEST® Program must explain how this application will expand upon the previously awarded model and provide narrative that addresses the following with evidence:

- How the expansion improves upon the current work of the existing STEM BEST® Program model;
- Explanation of planning process and targeted students to be served.

Administrator will ensure;

- **All appropriate safety rules, regulations and standards of safe conduct and behavior are complied with in the practice and execution of this project if awarded.**
- **All appropriate licensure, credential, and background check rules, regulations, and standards of professional qualification protocol are complied with in the practice and execution of this project if awarded.**
- **All transportation-related considerations in order to accommodate all prospective participants in this program have been addressed by the project’s leaders.**

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| Section 1 | Student Impact |
| 5 points | 1.1 Applicant will include information about school district(s) demographics, student enrollment and targets for the STEM BEST® H.D. Program. |

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| 10 points | 1.2 Application will include strategies to increase participation of underrepresented groups in STEM. (ie, but not exclusive or limited to...ethnic and racial minorities, students with disabilities, students of poverty, women in engineering and computational science fields, men in the health, life science and early childhood fields, etc.) |
| Section 2 | STEM Curriculum (Link) |
| 5 points | 2.1 Application demonstrates intentional goal(s) to create and implement an employment-driven STEM curriculum, aligned to state academic standards, integrating disciplines within and outside of STEM. Application focuses on personalized learning to students in any grades K-12 (relies on locally generated curriculum as opposed to commercial textbooks or other purchasable curriculum for majority of efforts). |
| 5 points | 2.2 Describe the STEM BEST® H.D. Program alignment to current district(s) goals and improvement efforts. |
| Section 3 | Community Partnerships (Link) |
| 5 points | <p>3.1 Project provides evidence of strong partnerships and collaboration. Community Partners will include one or more of the following;</p> <ul style="list-style-type: none"> • Public and/or Private Sector Employer-Partner(s), including business and industry, government, etc.) • Economic and Workforce Development • Higher Education Partner(s), including community college, private college, university • Other Relevant Contributor(s), including Intermediaries, Extension, Non-Profit Organizations, etc. <p>Other Public and/or Private School District Partners</p> |
| 10 points | 3.2 Each partner will clearly identify the commitment and specific role(s) in the STEM BEST® H.D. Program. Partner commitment narratives are detailed and consistent with the application narrative. A commitment document from each partner is required. It is clear that detailed and consistent communication has happened within partnerships. |
| Section 4 | Professional Development (Link) |

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| 10 points | <p>4. PD model is clearly conveyed, and likely to bring about maximum system change effect and or development.</p> <ul style="list-style-type: none"> • Documentation of training plan, which includes commitment to engage educator and community partner professionals. • Includes non-education community programs and other support organizations. • Documentation includes non-education community programs and other support organizations and a description of their role in the use of professional development. |
| Section 5 | Financial Model |
| 10 points | <p>5. The application includes a detailed budget describing how grant funds will be utilized and indicates the applicant's commitment to providing the necessary match contribution.</p> |
| Section 6 | Sustainability Plan |
| 10 points | <p>6. Detail the continuation of the STEM BEST® H.D. Program beyond the grant award period. This should include a plan for:</p> <ul style="list-style-type: none"> • leadership/personnel, (4 points) • financial considerations, and (4 points) • space to operate program. (2 points) |
| Section 7 | Model/Disseminate |
| 5 points | <p>7.1 Note strategies for promoting the STEM BEST® H.D. Program model to other partners in Iowa, to serve as an advocate and to disseminate related information.</p> |
| 5 points | <p>7.2 Note strategies to promote the model within the community in which the STEM BEST® H.D. Program is located. (May involve multiple communities, media.)</p> |
| Section 8 | Evaluation |

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| 10 points | 8. Application provides understandable strategy for collection and reporting of qualitative data (e.g., through site visits, classroom observations, administrator and faculty interviews, student and parent focus groups, etc.) and quantitative data (e.g., grades, test scores, numeric surveys, etc.) for program improvement considerations. Evidence must be reported -in end year 1 report in June, as well as end year 2 report the following June (two years) to the STEM Council. |
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