

Iowa Scale-Up Program Application – RUBRIC

May 29, 2024

The Iowa Governor’s STEM Advisory Council’s mission is to bring top STEM education opportunities to all learners, especially those historically underserved. The intent of the Scale-Up program is to seed, jumpstart or expand little-known and exemplary programs proven to inspire and educate preK-12 students, enabling educational organizations to sustain beyond the Council’s trial investment.

1. Possible Points	Excellent 7-6	Good 5-4	Fair 3-2	Poor 1-0
Evidence of Effect	<p>Source(s) of evaluative evidence clearly defined.</p> <p>Clear summaries of evaluation tactics, highlighting benefits for students, educators, and other stakeholders in terms of content and skills acquisition, growth, attitude development, and intentions. Includes an instance where assessment informed program practices.</p>	<p>Source(s) of evaluative evidence clearly defined.</p> <p>Evaluation tactics often outline benefits for students, educators, and other stakeholders, such as content and skills enhancement, growth, attitude refinement, and intentions shaping. However, these summaries may occasionally lack clarity, omitting explicit instances where assessment informed program practices.</p>	<p>Source(s) of evaluative evidence may be unclear.</p> <p>Summaries of evaluation tactics, highlighting benefits for students and educators and other stakeholders in terms of content and skills, growth, attitude and intentions, are not clear. However, these summaries lack clarity, omitting explicit instances where assessment informed program practices.</p>	<p>Numerous facets of evaluation tactics, benefits, sources, etc., are frequently overlooked or characterized by a lack of clarity.</p>

2. Possible Points	<p style="text-align: center;">Excellent</p> <p style="text-align: center;">7-6</p>	<p style="text-align: center;">Good</p> <p style="text-align: center;">5-4</p>	<p style="text-align: center;">Fair</p> <p style="text-align: center;">3-2</p>	<p style="text-align: center;">Poor</p> <p style="text-align: center;">1-0</p>
<p>Iowa Academic Standards Integration</p>	<p>The explanation provided clearly establishes a connection between the program activities and Iowa Academic Standards for Science, Technology, Engineering, and/or Mathematics, thus meeting Iowa Standards in STEM.</p> <p>The explanation shows that program activities integrate seamlessly across STEM subjects, effectively removing academic silos.</p> <p>The explanation demonstrates connections with other Academic areas including 21st Century Skills and other cross-curricular connections.</p>	<p>The explanation provided clearly establishes a connection between the program activities and Iowa Academic Standards for Science, Technology, Engineering, and/or Mathematics, thus meeting Iowa Standards in STEM.</p> <p>The explanation demonstrates connections with other Academic areas, including 21st Century Skills and other cross-curricular connections.</p>	<p>The explanation provided clearly establishes a connection between the program activities and Iowa Academic Standards for Science, Technology, Engineering, and/or Mathematics, thus meeting Iowa Standards in STEM.</p>	<p>The explanation minimally or negligibly addresses the integration of Iowa Academic Standards, providing insufficient basis to ensure integration.</p>

3. Possible Points	<p style="text-align: center;">Excellent</p> <p style="text-align: center;">7-6</p>	<p style="text-align: center;">Good</p> <p style="text-align: center;">5-4</p>	<p style="text-align: center;">Fair</p> <p style="text-align: center;">3-2</p>	<p style="text-align: center;">Poor</p> <p style="text-align: center;">1-0</p>
<p style="text-align: center;">Scalability</p>	<p>The program has showcased its proficiency in implementing across various diverse learning environments.</p> <p>The program demonstrates substantial capacity to maintain quality over time and during expansion.</p> <p>The response offers a comprehensive description of the infrastructure available for educators in Iowa to ensure continuity of program outcomes over time and during expansion.</p>	<p>The program demonstrates potential for implementation across diverse learning environments.</p> <p>The program demonstrates capacity to maintain quality over time and during expansion.</p> <p>The response offers sufficient infrastructure available for educators in Iowa to ensure continuity of program outcomes over time and during expansion.</p>	<p>The program may face challenges in implementing across diverse learning environments.</p> <p>The program demonstrates little evidence of capacity to maintain quality over time and during expansion.</p> <p>The program's infrastructure for educators in Iowa to ensure continuity of program outcomes over time and during expansion lacks clarity.</p>	<p>The program description lacks clarity regarding the learning environments it serves.</p> <p>The program provides no evidence of capacity to maintain quality over time and during expansion.</p> <p>There is no description provided of the infrastructure for delivering and communicating services in Iowa.</p>

4. Possible Points	<p style="text-align: center;">Excellent</p> <p style="text-align: center;">7-6</p>	<p style="text-align: center;">Good</p> <p style="text-align: center;">5-4</p>	<p style="text-align: center;">Fair</p> <p style="text-align: center;">3-2</p>	<p style="text-align: center;">Poor</p> <p style="text-align: center;">1-0</p>
<p>Professional Development/ Training</p>	<p>A clear description is provided of how professional development/training will enhance the pedagogy and content knowledge of Iowa’s STEM educators.</p> <p>The training equips educators to provide context for Iowa communities and careers within Iowa.</p> <p>A clear training agenda is provided, addressing all expectations for the delivery of the Scale-Up program training.</p>	<p>A somewhat clear description is provided of how professional development/training will enhance the pedagogy and content knowledge of Iowa’s STEM educators.</p> <p>The training may potentially equip educators to provide context for Iowa communities and careers within Iowa.</p> <p>The training agenda covers all expectations for Scale-Up program training delivery except for facilitating discussions among educators about implementation in their specific context with peers and experts.</p>	<p>An unclear description is provided of how professional development/training will enhance the pedagogy and content knowledge of Iowa’s STEM educators.</p> <p>The training fails to adequately prepare educators to provide context for Iowa communities and careers within Iowa.</p> <p>The training agenda provided is minimal, only meeting the expectation to verify attendance. It lacks provisions for engaging with materials/kits, applying professional learning during the session, and discussing implementation in the educator’s specific context with peers and experts.</p>	<p>Information regarding professional development/training does not convey competency in strengthening educators’ skills or knowledge.</p> <p>The training agenda provided is minimal and does not meet the expectations for Scale-Up program training delivery.</p>

5. Possible Points	Excellent 14-12	Good 11-8	Fair 7-4	Poor 3-0
Engage Diverse Learners	Program has proven to successfully engage a diverse range of learners, especially those who are underrepresented.	The program shows promise, though it is not necessarily demonstrated success in engaging a diverse range of learners, particularly those who are underrepresented.	The program provides minimal indication of its likelihood to successfully engage a diverse range of learners, especially those who are underrepresented.	No indication that program would successfully engage a diverse range of learners, especially those who are underrepresented.

6. Possible Points	Excellent 7-6	Good 5-4	Fair 3-2	Poor 1-0
Connect to World of Work	The program presents strong evidence that participants connect their learning to the world of work, including key industries of Iowa (agriculture, manufacturing, IT, finance, health).	The program provides some evidence that participants connect their learning to the world of work, including key industries of Iowa (agriculture, manufacturing, IT, finance, health).	The program provides little evidence that participants connect their learning to the world of work. Lacking links to key industries of Iowa (agriculture, manufacturing, IT, finance, health).	The program provides no evidence that participants connect their learning to the world of work in Iowa or elsewhere.

7. Possible Points	<p style="text-align: center;">Excellent</p> <p style="text-align: center;">14-12</p>	<p style="text-align: center;">Good</p> <p style="text-align: center;">11-8</p>	<p style="text-align: center;">Fair</p> <p style="text-align: center;">7-4</p>	<p style="text-align: center;">Poor</p> <p style="text-align: center;">3-0</p>
<p style="text-align: center;">Budget</p>	<p>The budget is compliant with Iowa STEM’s requirements for allowable costs (second worksheet)</p> <p>The budget aligns with responses in the application.</p> <p>The budget has clearly outlined per-unit costs for materials, participant support, registrations, licenses, and other items.</p> <p>Provided justification for cost(s) associated with a training session</p> <p>Includes detailed narrative for each budget item.</p> <p>Includes cost(s) to sustain at the Implementation Unit level.</p>	<p>The budget is compliant with Iowa STEM’s requirements for Scale-Up Budget.</p> <p>The budget aligns with responses in the application.</p> <p>The budget mostly provides clear per-unit costs for materials, participant support, registrations, licenses, and other items.</p> <p>Provided justification for cost(s) associated with a training session</p> <p>Includes detailed narrative for some budget items.</p> <p>Includes an attempt at cost to sustain at the Implementation Unit level.</p>	<p>The budget is nearly compliant with Iowa STEM’s requirements for Scale-Up Budget.</p> <p>The budget nearly aligns with responses in the application.</p> <p>The budget does not provide a clear per unit costs for materials, participant support, registrations, licenses, or other items.</p> <p>Provided justification for cost(s) associated with a training session</p> <p>Includes detailed narrative for some budget items.</p> <p>Cost to sustain at the Implementation Unit level unclear.</p>	<p>The budget is not compliant with Iowa STEM’s requirements for Scale-Up Budget.</p> <p>The budget does not align with responses in the application.</p> <p>The budget and narrative are inadequate for assessing financial reasonableness and alignment.</p> <p>Provided justification for cost(s) associated with a training session</p> <p>Does not include detailed narrative for each budget item.</p> <p>Cost to sustain at the Implementation Unit level unclear.</p>