

ISS National Lab STEM Education and Workforce Development Panel - Proposal Evaluation Rubric

TOTAL SCORE, %

Proposal Organization		0					Evaluator 0		
		0					Line of Business STEM Edu and Workforce Dev		
		Noncompliant (=0)	Poor (=1)	Fair (=2)	Good (=3)	Very Good (=4)	Excellent (=5)	STEM Panel Score	Weighted score
Goals and outcomes for STEM education and/or workforce development are clearly defined	E-1	No STEM education and/or workforce development goals and objectives are provided.	STEM education and/or workforce development goals and objectives are posed in a general manner.	STEM education and/or workforce development goals are defined but are not specific and/or compelling. Outreach outcomes, including scaling/expansion of existing programming, are defined but do not address the target audience.	STEM education and/or workforce development goals are specific and clearly defined but may not be compelling. Outreach outcomes, including scaling/expansion of existing programming, are defined but only generally address the target audience.	STEM education and/or workforce development goals are specific, clearly defined, and somewhat compelling. Outreach outcomes, including scaling/expansion of existing programming, are defined and address the target audience but lack detailed planning.	STEM education and/or workforce development goals are specific, clearly defined, and compelling. Outreach outcomes, including scaling/expansion of existing programming, are defined, have detailed planning, and address the target audience.		0.00
Project advances U.S. leadership in space-based R&D and industry-related workforce development	E-2	No discussion of how the project will advance U.S. leadership in space-based R&D and industry-related workforce development.	Plan for student STEM academic pathway and career awareness/development is incomplete or weak.	N/A	Plan for student STEM academic pathway and career awareness/development is defined but not comprehensive.	N/A	Plan for student STEM academic pathway and career awareness/development is clearly defined and comprehensive.		0.00
Degree and scope of experiential learning provided by STEM education and/or workforce development project	E-3	Lacks plans for STEM education and/or workforce development. No information is provided about the degree of experiential learning.	The degree to which the planned STEM education and/or workforce development is incomplete or weak. Student experiential involvement is cited but is ancillary and/or poorly substantiated.	The planned STEM education and/or workforce development is somewhat defined. Students are involved in hands-on, problem-based learning, representing at least 25% of the defined effort. Student experiential learning goals are not defined.	The planned STEM education and/or workforce development is defined but may not be compelling. Students are involved in hands-on, problem-based learning that represents at least 50% of the defined effort. Student experiential learning goals are discussed in a general way.	The planned STEM education and/or workforce development is clearly defined, comprehensive, and somewhat compelling. Students are substantially involved in hands-on, problem-based learning that represents at least 75% of the defined effort. Student experiential learning goals are documented and tracked.	The planned STEM education and/or workforce development is clearly defined, comprehensive, and compelling. Students are substantially involved in hands-on, problem-based learning that represents at least 90% of the defined effort. Student experiential learning goals are documented and tracked.		0.00
Likelihood of STEM education and/or workforce development success	E-4	Proposal does not include discussion of likelihood of STEM education and/or workforce development success.	The planned STEM education and/or workforce development is highly unlikely to achieve success; and/or there is no identification of mechanisms for measuring efficacy.	The planned STEM education and/or workforce development may achieve goals and objectives to a low degree. There is minimal discussion of measurement of efficacy.	The planned STEM education and/or workforce development may achieve goals and objectives to a moderate degree. Mechanisms to measure efficacy are present but may not be thorough.	The planned STEM education and/or workforce development may achieve goals and objectives. Efficacy measurement is well-stated and provides some guidance for appropriate development.	The planned STEM education and/or workforce development is likely to achieve the goals and objectives. Robust mechanisms are in place to collect efficacy data.		0.00
Merit and scope of STEM education and/or workforce development assessment and measurement plan	E-5	Proposal contains no discussion of a STEM education and/or workforce development assessment and measurement plan.	Data collected for STEM education and/or workforce development assessment is discussed in a general way. Plans for measurement are present but are only high-level and not credible. If applicable, professional development strategy is mentioned but not thorough.	N/A	Anticipated data collected for STEM education and/or workforce development assessment is sufficient to complete the project and meet the goals and objectives. If applicable, professional development is clearly defined.	N/A	Anticipated data collected for STEM education and/or workforce development assessment are robust and meet the goals and objectives. If applicable, professional development is clearly defined and includes paths for accreditation.		0.00
Degree to which partnerships are utilized in implementing STEM education and/or workforce development plans	E-6		Proposal does not identify any partnerships for STEM education or workforce development. A plan to sustain the program is not readily evident.	N/A	STEM education and/or workforce development involves at least one partner organization that provides significant funding and/or participation. A plan to sustain the program is defined and somewhat viable.	N/A	STEM education and/or workforce development involves multiple partner organizations that provide significant funding and/or participation. A plan to sustain the program is clearly defined and viable.		0.00

	Fundamental Science	Technology Development	In-Space Production	STEM Edu and Workforce Dev
	2	3	4	5
E-1	0	0	0	0.2
E-2	0	0	0	0.1
E-3	0	0	0	0.2
E-4	0	0	0	0.125
E-5	0	0	0	0.2
E-6	0	0	0	0.175
E-TOT	0	0	0	1