

Drone Designers: EXPLORING STEAM CAREERS Scoring Rubric

GRANT CRITERIA	Points possible	CRITERIA FOR SCORING			
		Deficient 0%	Limited 1-50%	Competent 51-75%	Outstanding 76-100%
The primary goal of this program is connecting applied learning and career interest using drones. Please describe your goals and learning objectives for building career interest in your learning environment.	15	The description does not contain goals and/or learning objectives.	The description is complete, but is lacking in creativity or innovation.	The description is complete and well-written, and the goals and learning objectives are clear.	The description is complete and well-written, and the goals and learning objectives responds to the needs and interests of the students in an innovative, hands-on way.
How do you plan to build further interest in and excitement for computer science learning and/or drone technology in your school with this program?	20	Application does not have a clear plan for building interest in or excitement for computer science learning.	The plan for building interest in and excitement for computer science learning is complete, but lacks in creativity or innovation.	The plan for building interest in and excitement for computer science learning is clear, complete, offers some creativity, and is achievable in the learning environment.	The plan for building interest in and excitement for computer science learning is clear, innovative, hands-on/project-based, and responsive to student needs, and may build on previous success and challenges.
What other learning goals do you have for the use of the drone software/hardware after completion of this program?	15	The goal for continued use of the drone software/hardware is unclear or incomplete.	The goal for continued use of drone software/hardware is complete, but lacks creativity or innovation.	The goal for continued use of the drone software/hardware is clear, achievable, and creative.	The goals for continued use of the drone software/hardware is innovative, interdisciplinary, and proposes continued partnership with new organizations/groups.
What is your plan for continued investigation of drone applications & computer science concepts after completion of this program?	15	The application lacks a clear plan for continued investigation of drone applications & computer science concepts after completion of the program.	The plan for continued investigation of drone applications & computer science concepts is clear and complete, but lacks creativity.	The plan for continued investigation of drone applications & computer science concepts is clear, creative, and includes continued use of program materials in a similar manner.	The plan for continued investigation of drone applications & computer science concepts is clear, innovative, and includes creative use of program materials, adapting the program to meet the needs of students and higher-level program outcomes.
How will this program further your professional goals related to STEM/CS education?	15	The applicant does not describe how this program will further their goals.	The applicant provides a limited description of how this program will further their goals.	The applicant provides a complete explanation on how they will use this program to further their goals.	The applicant provides an excellent explanation on how they will use this program to further their goals.
What is your plan for engaging underrepresented populations in CS/STEM through your program (including female students, racial/ethnic minorities, rural students, low-income families, learners with disabilities)?	20	There is no plan for engaging underrepresented populations in CS/STEM.	The plan for engaging underrepresented populations in CS/STEM is unclear or incomplete.	The plan for engaging underrepresented populations in CS/STEM is clear, detailed, and achievable in their community.	The program's plan for engaging underrepresented populations in CS/STEM is clear, well-thought out, based on best practice for the target populations, and is achievable for the applicant's community.
	100				