



2023-24 Lockheed Martin STEM Classroom Grant Rubric

The Foundation for Orange County Public Schools, Inc. is inviting applications from high-school teachers under a new Science, Technology, Engineering, and Mathematics (STEM) Classroom Grant Program, funded by a \$55,000 Lockheed Martin grant and matched under the School District Education Foundation Matching Grant Program. Grants of up to \$5,000 each will be awarded to schools for teachers to implement STEM programming for high-school students, focused on **engineering, computational science, or cybersecurity**. Applications are eligible for up to a total of 15 bonus points if applicants teach in schools serving student populations that are more than 60% minority (non-white), 60% Hispanic, and/or 60% eligibility for free/reduced-price meals. Projects must take place between the grant award (October 7, 2022) and April 2023, and can occur before, during, and/or after school. The rubric criteria aligns with Lockheed Martin guidelines.

Rubric

Review Criteria Note: Scoring scale is 0 - 5	Poor Meets NO Criteria	Fair Meets SOME Criteria	Good Meets ALL Criteria	Excellent EXCEEDS Criteria	Score
Project Description & Implementation					
• Describes what problem(s) the students will address.	0	1	3	5	
• Describes how the project meets students' needs.	0	1	3	5	
• Employs hands-on learning.	0	1	3	5	
• Employs STEM programming for high-school students, focused on engineering, computational science or cybersecurity	0	1	3	5	
• Incorporates technology appropriate to the project.	0	1	3	5	
• Is based on real-world problem/challenge that mimics task/practices of STEM professionals.	0	1	3	5	
• Anticipates and allows for learning through failure or trial and error.	0	1	3	5	
• Includes outline of the student / business partner's interactions.	0	1	3	5	
Lockheed Martin Volunteer					
• Identifies plan to engage a Lockheed Martin volunteer in project.	0	1	3	5	
Timeline					
• Provides a detailed timeline and narrative that explains logical project development and completion, including reporting requirements.	0	1	3	5	
Learning Outcomes / Required Data					
• Clearly states objectives for what students should KNOW at the end of the project.	0	1	3	5	
• Clearly states objectives for what students should be able to DO at the end of the project.	0	1	3	5	
• Defines how students' achievement will be assessed.	No=0			Yes= 5	
• Includes opportunities for students to communicate what they have learned with the school's greater community.	0	1	3	5	
Budget					
• Provides itemized budget included items, quantity, cost, and total cost for requested equipment/ materials.	0	1	3	5	
Total Bonus Points (Eligible for points only if percentages are met)					
___ % Minority/non-white (60% + = 5 points)	No =0			Yes= 5	
___ % Hispanic (60% + = 5 points)	No =0			Yes= 5	
___ % Eligible for free-or reduced price meals (60% + = 5 points)	No =0			Yes= 5	
Total Score					

Judge's Initials			
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Comments:
