



2021 Virtual STEM Innovation Challenge Scoring Rubric

Judge: _____

Team#: _____ School: _____

TEAMWORK	Exceeding Standard 7-10 points	Meeting Standard 4-6 points	Approaching Standard 1-3 points	Score
Team clearly defines roles of team members, input from advisors and industry mentors, and overall explanation of team effort in sharing workload	Explanation shows substantial to complete understanding of the team organization, individual team member roles and responsibilities, and key stakeholders relative to the problem and solution	Explanation shows some understanding of the team organization, individual team member roles and responsibilities, and key stakeholders relative to the problem and solution	Explanation shows limited understanding of the team organization, individual team member roles and responsibilities, and key stakeholders relative to the problem and solution	
CRITICAL THINKING & RESEARCH	Exceeding Standard 7-10 points	Meeting Standard 4-6 points	Approaching Standard 1-3 points	Score
Clearly explain how, based on research, their plan has the greatest impact on reducing their school's carbon footprint, increases comfort conditions, and has a net-zero impact on their community.	Explanation shows substantial to complete understanding of the fundamentals used to solve the problem	Explanation shows some understanding of the fundamentals used to solve the problem	Explanation shows limited understanding of the fundamentals used to solve the problem	
Proposed solution incorporates critical thinking skills and looks at the larger framework of problem statement	Explanation shows substantial to complete understanding of the impact of the problem and solution	Explanation shows some understanding of the impact of the problem and solution	Explanation shows limited understanding of the impact of the problem and solution	
Main data points are well organized, clear and sufficiently support conclusion	Explanation shows substantial to complete understanding of the main data points supporting the recommended solution and encourages future discussion	Explanation shows some understanding of the main data points supporting the recommended solution and summarizes main ideas	Explanation shows limited understanding of the main data points supporting the recommended solution	
Proposed solution is valid	Explanation shows substantial to complete understanding of how their plan has the greatest impact on reducing their school's carbon footprint, increases comfort conditions, and has a net-zero impact on their community and the ability to implement the proposed solution	Explanation shows some of how their plan has the greatest impact on reducing their schools carbon footprint, increases comfort conditions, and has a net-zero impact on their community and the ability to implement the proposed solution	Explanation shows limited understanding of how their plan has the greatest impact on reducing their schools carbon footprint, increases comfort conditions, and has a net-zero impact on their community and the ability to implement the proposed solution	

PRESENTATION CONTENT	Exceeding Standard 7-10 points	Meeting Standard 4-6 points	Approaching Standard 1-3 points	Score
Demonstrates strong knowledge of subject matter and follows organized explanation of ideas and information	Presentation follows substantial to completely organized outline of introduction/background with problem statement, analysis and alternative solutions, summary of main ideas, transitions between key points, and recommended solution.	Presentation some what follows outline of introduction/background with problem statement, analysis and alternative solutions, summary of main ideas, transitions between key points, and recommended solution.	Presentation loosely follows outline of introduction/background with problem statement, analysis and alternative solutions, summary of main ideas, transitions between key points, and recommended solution.	
PRESENTATION STYLE	Exceeding Standard 7-10 points	Meeting Standard 4-6 points	Approaching Standard 1-3 points	Score
Demonstrates professionalism, enthusiasm, and strong public speaking skills	Presenter demonstrates public speaking skills by making substantial to complete eye contact with the audience, appropriate physical gestures, speaking at a pace that is easy to follow (not too fast or slow), not reading presentation points, and enunciating clearly.	Presenter demonstrates public speaking skills by making some eye contact with the audience, appropriate physical gestures, not reading presentation points, speaking at a comfortable pace, and enunciating clearly.	Presenter demonstrates public speaking skills by making limited eye contact with the audience, appropriate physical gestures, not reading presentation points, speaking too fast or too slow, and enunciating clearly.	
Presentation incorporates all team members	Every team member presents a portion of the presentation.	The majority of team members present a portion of the presentation.	Some team members present a portion of the presentation.	
Incorporates creative use of presentation aids	Presentation applies creative and innovative tools and techniques to demonstrate the solution.	Presentation applies some creative or innovative tools and techniques to demonstrate the solution.	Presentation applies limited tools or techniques to demonstrate the solution.	
Offer well prepared answers in response to questions from panel of judges (in the regional and national Shark Tank presentations)	Response demonstrates substantial to complete awareness of energy solution and answers the question within scope of the challenge.	Response demonstrates some awareness of energy solution and answers the question within scope of the challenge.	Response demonstrates limited awareness of energy solution and may answer the question within scope of the challenge.	

TOTAL SCORE: _____

COMMENTS:
