

ASEF 2024

Project Score Sheet – Science Division

I. Research Question: 10 points	
o Demonstrates clear and focused purpose of study	/3
o Identifies contribution to field of study	/3
o Clearly identifies testable question (scientific process can be used to test research question)	/4
Research Question Total:	/10
Comments:	
II. Design and Methodology: 15 points	
o Well designed research plan	/5
o Clear and appropriate procedures for collecting data	/5
o Variables and controls are defined, appropriate and complete	/5
Design and Methodology Total:	/15
Comments:	
III. Execution: Data Collection, Analysis and Interpretation: 20 points	
Data Collection: <ul style="list-style-type: none">▪ Systematic data collection (3 points)▪ Reproducibility of results (3 points)▪ Sufficient time spent on data collection (2 points)	/8
Analysis: <ul style="list-style-type: none">▪ Appropriate application of mathematical and statistical methods	/6
Interpretation/Conclusions: <ul style="list-style-type: none">▪ Are conclusions based on a single experiment or replication? (3 points)▪ Are conclusions supported by data? (3 points)	/6
Execution Total:	/20
Comments:	

IV. Creativity: 20 points	
<ul style="list-style-type: none"> Does the project offer different perspectives or open up new possibilities in a field of study? (6 points) Is the project idea unique? (6 points) 	/12
<ul style="list-style-type: none"> Project demonstrates significant creativity in at least one of the following: Design and Methodology Data Collection Analysis 	/8
Creativity Total:	/20
Comments:	
V. Presentation: 35 points	
Poster (10 Points): <ul style="list-style-type: none"> Logical organization of material, how well does the physical display explain the project? (4 points) Clarity of graphics and legends, how clearly are data and results presented? (3 points) Supporting documentation displayed (3 points) 	/10
Interview (25 points): <ul style="list-style-type: none"> Clear, concise, thoughtful responses to questions (4 points) Understanding of basic science relevant to project (4 points) Understanding interpretation and limitations of results and conclusions (4 points) Degree of independence in conducting project: If the work was performed in a "mentor-rich" environment, does the student exhibit evidence of their independent contributions to the work? (6 points) Recognition of potential impact in science, society and/or economics (3 points) Quality of ideas for further research (4 points) For team projects only – deduct points for unequal contributions to and understanding of project (up to 2 points) 	/25
Presentation Total:	/35
Comments:	
Total Score:	/100
Final Comments:	

Judge's Name: _____
Please Print Legibly