

HSSP Rubric

HSSP aims to promote the most innovative yet simplest projects. Evaluation is based on a 36-point scale and serves as a basis for judging discussions. Students earn points for their creativity in determining their research problem/methodology, the simplicity and accessibility of their project, and their ability to follow the scientific process and conduct valid experimentation. The rubric is designed to minimize the impacts of resource disparity in conducting research, working towards fostering equality among all students in their pursuit of success.

The rubric is attached to the following page.

Judging Criteria	Weight
Research problem and scientific thought <ul style="list-style-type: none"> Clearly states the problem and objective Demonstrates in-depth understanding of the problem and background 	0 - 6
Research design, methodology, and results <ol style="list-style-type: none"> Science <ul style="list-style-type: none"> Well-designed procedure Appropriate data collection and analysis Clearly identifies variables and controls Reproducible results Engineering and Computer Science <ul style="list-style-type: none"> Develops a workable and validated solution Explore/identify alternative solutions to the problem Demonstrates a clear relationship between the design and the final product 	0 - 6
Conclusions <ul style="list-style-type: none"> Clearly states conclusion(s) that are relevant to the problem and experiment Recognizes limitations and future research Evident of understanding of the scientific or technological principles 	0 - 6
Creativity <ul style="list-style-type: none"> Results offer an alternative/improvement to current solutions Innovation of the scientific thought/process <ul style="list-style-type: none"> Standard design vs innovative design Impact of the solution on the field Demonstrates understanding of the design, methodology, and results 	0 - 6
Simplicity <ul style="list-style-type: none"> Economic feasibility of the solution Accessibility of the data used in the experiment The project can be possibly conducted by students of any accessibility The simplicity of the methodology to address the problem How much professional knowledge is needed to learn/address the problem 	0 - 6
Communication <ul style="list-style-type: none"> Clarity of presentation and audio/visuals Clear and thoughtful responses to questions Clarity in communicating results to non-specialized audiences Acknowledges assistance received as well as references/bibliography 	0 - 6
Total Score	/ 36