

SAMPLE PROPOSED 2015 SCORE SHEET

SCIENCE

ENGINEERING

Goal (10 pts)

Hypothesis clearly stated, and why it is important

Problem identified, and why it is important

Plan (20 pts)

Experimental plan with controls; Developed logically and thoroughly
Use of unique methods, designs, or materials
Creative approach to problem solving
Variables (IVs/DVs) are identified

Clear performance criteria; Developed logically and thoroughly:
Use of unique methods, designs, or materials
Creative approach to problem solving
Considered factors influencing design of prototype

Action (20 pts)

Reliable method(s) of data collection
Reasonably achievable number of trials, given the student's situation

Prototype design based on performance criteria
Could possibly solve the problem.

Results and Analysis (25 pts)

Provided data, and conclusions based on accurate interpretation of data.
Analysis of possible errors/misinterpretations
Identification of additional investigations and/or future research

Provided data, and conclusions based on accurate interpretation of data.
Retesting and redesign based on results
Analysis of possible errors/misinterpretations
Feasibility study

Communication (25 pts)

Notebook(s) 10 pts

Well-documented entries and dated records
Evidence of project development and other supporting documents with citations

Poster 5 pts

Effective use of visual display (Consider readability and logic)
Clear and accurate explanation of project on poster
(hypothesis, procedure, data, and findings) (problem, procedure, and prototype)

Interview 10 pts

Knowledgeable answers to questions
All team members took part and participated

COMMENTS: (Space also on back)