

SAMPLE QUESTIONS TO ASK AS YOU EVALUATE A PROJECT

CREATIVE ABILITY

- Has the approach used in solving the problem been used before, or is it original?
- Does the student's analysis of the data reveal new insights?
- Do the results indicate further investigation of this idea is warranted or that a potential application is possible?
- Overall opinion of the creativeness of the student's idea.
- Overall opinion of the creativeness of the student's method.
- Overall opinion of the creativeness of the display.

SCIENTIFIC THOUGHT - ENGINEERING GOALS

- Is the problem or objective of the project precisely stated?
- Do the procedures used in developing the solution or results of the project follow scientific principles?
- Does the interpretation of the data appear to be valid?
- Does the device or results contradict or support any accepted theory?
- Has the student compiled an adequate bibliography?
- Has this problem been solved or the hardware been built previously?
- Is the problem related to other recent work in the field?
- Does the student's work suggest further investigation or development?
- Is there a potential application of the principle or results of this project?
- Overall opinion of the scientific or engineering presentation of the display.

THOROUGHNESS

- How many experiments did the student perform?
- Is the student aware of other approaches to this problem or development?
- Does the display physically demonstrate the operation or results of the project?
- Does an examination of the laboratory log book or engineering book display thoroughness?

SKILL

- What laboratory or construction problems presented themselves and how did the student overcome them?
- Where was the project developed or carried out, and with what assistance?
- How does the exhibit compare to the others? Does it catch the eye?
- Overall opinion of the skill shown in the construction or data acquisition involved in the project.

CLARITY

- How clearly has the student been able to discuss the project? Has he or she explained the purpose, development, procedure and conclusions in a clear and orderly manner?
- Is the written material clearly presented and data easily understood?
- Overall opinion of the clarity of the display and student's presentation.