

## **Proposed Judge Rubric for Mathematics Projects**

The only changes in the current score sheet would be in Section 1 and 2. The remainder of the scoresheet would be the same.

- 1. Mathematics Approach:
  - Identify a potential result theorem(s), & perhaps explain why it is plausible
  - Optionally motivate why the result would be interesting
  - Suggest an approach to a proof
  - Provide partial results [theorems or counterexamples] Ideally, Prove
  - Provide Corollaries/Applications
  - How could the result be extended/generalized?
- 2. Understanding of Mathematics
  - Knowledge of Literature [same as for other categories]
  - Application and Understanding of Mathematical Proof Techniques [similar]
  - Results are correct [no gray area here]
  - Connections to the Real World, or to other Branches of Mathematics, if any [similar]