



## **LIFE & PHYSICAL SCIENCES JUDGING CRITERIA**

**All projects are judged using the following standard criteria. These are consistent with the criteria used by the Connecticut Science & Engineering Fair.**

1. **RESEARCH QUESTION:** 1 to 10 points possible
  - ☐ Clear and focused purpose of the project which is testable using scientific methods.
  - ☐ Identifies contribution to field of study.
2. **DESIGN AND METHODOLOGY:** 1 to 15 points possible
  - ☐ Well-designed plan and collection methods.
  - ☐ Variables and controls defined, appropriate, and complete.
3. **EXECUTION - DATA COLLECTION, ANALYSIS & INTERPRETATION:** 1 to 20 points possible
  - ☐ Systematic and sufficient data collection and analysis.
  - ☐ Replicability of results.
  - ☐ Appropriate application of analytical and statistical results.
4. **CREATIVITY:** 1 to 20 points possible
  - ☐ Project demonstrates significant novelty and innovation in one or more of the above criteria.
5. **PRESENTATION:** 1 to 35 points possible
  - Poster:** 1 to 10 points possible
    - ☐ Displays logical organization of material; clarity of graphics, legends, and supporting documentation.
  - Presentation:** 1 to 25 points possible
    - ☐ Clear, concise, and thoughtful responses to questions.
    - ☐ Understanding of fundamental science relevant to project, interpretation, and limitation of results and conclusions. Recognition of potential impact and application of results.
    - ☐ Clear demonstration of independence in conducting the project.
    - ☐ For team projects, contribution to and understanding of project by all members.