

## **BCSF JUDGING RUBRIC**

**Exhibits:** Each exhibit should have a well-written and well-organized research notebook, raw data journal, an ISEF abstract in a vertical position and a safe standing display. All aspects of the project must include the essential ingredients of scientific research. Included in the research notebook should be the proper Intel ISEF certification forms.

Broward County Science Fair projects will be judged with points allotted in the following areas:

1. **Creative Ability (30%)**
  - ◆ Is the development of the project the exhibitor's idea?
  - ◆ Is the exhibitor's approach and/or method utilized in solving the problem unique?
  - ◆ Is the exhibitor's method of collecting data and/or use of equipment unique?
  - ◆ Does the exhibitor's interpretation of data give new significance to other closely related work?
  - ◆ What is the practical value of the project?
2. **Scientific Thought (30%)**
  - ◆ Is the project suitable for entry into the State Science and Engineering Fair?
  - ◆ Has the exhibitor chosen a problem that is sufficiently limited and concise?
  - ◆ Does the exhibitor's procedural plan show excellence in leading to the solution?
  - ◆ Are the variables and/or controls used in the exhibit clearly defined?
  - ◆ Are there an appropriate number of variables considered?
  - ◆ Is the exhibitor's data or operational analysis adequate and thorough?
  - ◆ Does the exhibitor's data completely support the conclusions?
  - ◆ Do the exhibitor's ideas open up further avenues for future research?
  - ◆ Did the exhibitor use an appropriate and complete bibliography?
  - ◆ Does the overall project demonstrate orderliness, accuracy, and sufficient research?
3. **Thoroughness (15%)**
  - ◆ Does the exhibitor thoroughly carry out the purpose of his research within the original scope of the project?
  - ◆ Are the exhibitor's conclusions based on many repeated experimental trials?
  - ◆ Does the exhibitor's display physically demonstrate the operation and/or experimental results thoroughly?
  - ◆ Is the time the experimenter spent appropriate for the project?
  - ◆ Does the experimenter have a thorough research paper or logbook?
4. **Skill (15%)**
  - ◆ Has the exhibitor demonstrated appropriate skills required obtaining the data, and is data presented properly?
  - ◆ Did the researcher develop and carry out the project independently with sufficient help from an adult when needed?
  - ◆ Are the arrangement and design of the exhibit clear and well done?
  - ◆ Is the project appropriate for grade level?
  - ◆ Did the exhibitor present the material in an appropriate manner during judging?
  - ◆ Does the student exhibit apparent interest in the topic covered?
5. **Clarity (10%)**
  - ◆ Are the exhibitor's purpose, procedure and conclusion presented very clearly and in an orderly manner?
  - ◆ Are the exhibitor's written material, research, and/or engineering operation book very clearly written and organized?
  - ◆ Is the exhibitor's overall physical display clear, orderly and attractive?

### **Student Rules for Judging**

Students must be present during judging.

Students must observe the best rules of courtesy and conduct.

Students are to remain at their project until all the judging is completed.

Students are allowed to bring a book or schoolwork while waiting for judging.

Students must be appropriately dressed.

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Typically, **Excellent** projects should be in the range of 80-100 points, **Good** projects

70-80 points, **Fair** projects 60-70 points, etc. Total points available - 100