



STANYS State Science Congress

The College of Saint Rose

Albany, New York

June 11-13, 2010



## Judging Criteria & Scoring for Projects

*(Note the point value for an individual project differs from a team project)*

Name of Project \_\_\_\_\_

Project # \_\_\_\_\_ Individual Project \_\_\_\_\_ Team Project \_\_\_\_\_

Name(s) of Student(s) \_\_\_\_\_

### 1. Creative Ability (Individual –30, Team – 25)

Does the project show creative ability and originality in the questions asked and the design and analysis of the experiment?

Points \_\_\_\_\_

### 2a. Scientific thought (Individual –30, Team – 25)

Is the problem to be investigated stated clearly and is the design of the experiment carefully carried out? Are all variables noted? Does the data support the conclusions? Is related research cited? Does project note whether further research is warranted? Is literature cited?

Points \_\_\_\_\_

OR

### 2b. Engineering Goals (Individual – 30, Team – 25)

Does the project have a clear objective? Is the objective relevant to the potential user's needs? Is the solution a significant improvement over previous alternatives? Has the solution been tested for performance under the conditions of use?

Points \_\_\_\_\_

### 3. Thoroughness (Individual – 15, Team – 12)

How completely was the problem covered? Are the conclusions based on a single experiment or replication? How complete are the project notes?

Points \_\_\_\_\_

### 4. Skill (Individual –15, Team – 12)

Does the project demonstrate the required laboratory, observation, computation and design skills to support its data?

Where was project performed? (i.e., home, school lab, university lab)? Did the student or team receive assistance from parents, teachers, scientists or engineers? Was the project completed under adult supervision or was it completed mostly by the student or students? Where did the equipment come from (built by student(s) or borrowed)?

Points \_\_\_\_\_

### 5. Clarity (Individual – 10, Team – 10)

How clearly does the student discuss his/her project and explain the purpose, procedure, and conclusions? Watch out for memorized speeches that reflect little understanding of principles. Does the written material (both on storyboard and in report) reflect the student's or team's understanding of the research?

Points \_\_\_\_\_

### 6. Teamwork (Team Projects only – 16)

Are the tasks and contributions of each team member clearly outlined? Does the final work reflect the coordinated efforts of all team members? Was each team member fully involved with the project?

Points \_\_\_\_\_

Total Points = \_\_\_\_\_ (out of 100 points)

Judge's Name \_\_\_\_\_

Affiliation \_\_\_\_\_