



# Austin Energy Regional Science Festival 2018

## JUDGING CRITERIA

### FOR JUNIOR/SENIOR PROJECTS

Student(s) \_\_\_\_\_ School \_\_\_\_\_

Category \_\_\_\_\_ Row: Project # \_\_\_\_\_ Judge # \_\_\_\_\_

Title \_\_\_\_\_

← LEAST → HIGHEST

Students are judged on EITHER 2a OR 2b

#### I. CREATIVE ABILITY

A. Idea for project	1 Assigned by teacher	3 Developed jointly with teacher	5 Originated by student
B. Approach used	1 "Cookbook"	3 Followed directions	5 Devised own approach
C. Analysis & interpretation of data	1 Minimal analysis	3 Notices relationships	5 Relationships clearly defined and implications noted
D. Materials & development	1 Basic "Kit"	3 Basic with modifications	5 Student created

#### 2a. SCIENTIFIC THOUGHT *for non-engineering-related*

A. Posing the problem	1 Problem not evident	3 Problem unclear or untestable	5 Testable problem
B. Experimental design	1 No clear plan	3 Poorly organized plan	5 Logical approach
C. Variables/controls	1 No variables or controls stated	3 Variables confounded or not clearly stated	5 Variables listed, controls used
D. Conclusion	1 Unclear or inadequate conclusion	3 Weak conclusion not clearly supported by data	5 Conclusion clearly supported by project data

#### 2b. ENGINEERING *for engineering-related projects*

A. Engineering goals	1 No clear goals established	3 Goals weak/incomplete	5 Goals clearly established
B. Design criteria	1 No clear plan	3 Disorganized	5 Logical approach
C. Feasibility	1 Neither workable nor economical	3 Workable OR economical	5 Workable and economical
D. Relevance	1 No potential use	3 Unclear potential application	5 Potential application demonstrated

#### 3. SKILL

1 Simple project poorly done	3 Simple project done well	5 Difficult project done well
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#### 4. THOROUGHNESS

A. Adequate data	1 Insufficient data to support conclusions	2 Adequate data	3 Abundant data; limitations noted
B. Subject knowledge	1 Minimal knowledge of subject	2 Adequate knowledge of subject	3 In-depth subject knowledge relevant to work
C. Further research indicated	1 None cited	2 Few questions or further applications noted	3 Suggestions for further study and applications noted

#### 5. CLARITY OF COMMUNICATION

A. Exhibit display	1 Display information unclear, disorganized, or incorrect	3 Display somewhat clear and informative	5 Display information clear and well presented
B. Written report & interview	1 Report missing or minimal information given	3 Report somewhat informative and moderate knowledge orally expressed	5 Concise, clear expression of knowledge, both written and oral

#### 6. TEAM

A. Contribution of team members	1 Teamwork not evident	3 Members' roles not clearly demonstrated	5 Contributions of all members evident
B. Coordinated efforts	1 Presentation not coordinated	3 Presentation somewhat coordinated	5 Coordinated and Effective Presentation

Please place notes and comments on the back.