

Pikes Peak Regional Science Fair 2018

Copyright © 2018 Rob Koistad, All Rights Reserved V3.9, 2018.02.14

★ Appropriate to Age Group

PROJECT SELECTION

- ★ Problem/project is well-defined
 - Not so clear
 - 2 Somewhat
 - 3 Mostly
 - 4 Clear
- ★ Originality of project
 - Unoriginal/copy
 - 2 Tiny twist
 - 4 Some novelty
 - 6 New twist
- ★ Quality of hypothesis or Engineering Problem
 - 8 Original
 - 10 Innovative
 - Weak
 - 2 Watered down
 - 3 Strong
 - 4 Very strong

PROJECT DESIGN & VARIABLES

- ★ Understandable research/project design
 - Not
 - 2 Somewhat
 - 4 Mostly
 - 6 Crystal clear
- ★ Practical & affordable
 - Not very
 - 2 Somewhat
 - 3 Mostly
 - 4 Very
- ★ Relevant & appropriate variables & testing conditions chosen
 - No
 - 2 Some
 - 3 Many
 - 5 Most
 - 7 Complete w/controls
- ★ How to evaluate variables
 - None Listed
 - 2 Some evaluation
 - 4 Most Listed
 - 6 Complete

MATERIALS/PROCEDURE

- ★ Ingenuity/adaptation/practicality of equipment & materials
 - Standard
 - 2 Some
 - 3 A lot
 - 4 Very clever
- ★ Concise, reasoned procedure
 - Fair
 - 2 Good
 - 3 Excellent

EXECUTION, & NOTEBOOK

- Project Execution
 - Poor
 - 2 Barely OK
 - 3 Average
 - 4 Above Average
 - 6 Excellent
- Measurements valid & recorded
 - Incomplete
 - 2 Mostly
 - 3 Valid & Recorded
 - 4 & Clear
 - 5 & Thorough
- Development and/or measurements appropriately iterated
 - Not/Can't
 - 2 A bit
 - 3 Somewhat
 - 4 Mostly
 - 6 Approp. Iterations or ≥ 3 measurements
- Quality notebook created throughout project's execution
 - None/ Created Late
 - 2 < 75%
 - 3 75-90%
 - 4 Mostly
 - 5 Very thorough

DATA ANALYSIS

- ★ Data limitations recognized (instruments, accuracy, precision)
 - No mention
 - 2 Fleeting recognition
 - 3 Good understanding
 - 4 Limitations listed
- ★ Understanding of statistics, analysis, charts, and graphs
 - Poor
 - 2 Low
 - 3 Medium
 - 4 High
 - 5 Expert
- ★ Impression: Interpretation/Analysis
 - Unsatisfactory
 - 2 OK
 - 3 Good
 - 4 Excellent
 - 5 Exceptional

- No Project
- No Student
- Incomplete group

16 circles to fill on this side

ALIGN LABEL
ACCURATELY

Write notes to back office judging staff inside this box

Pikes Peak Regional Science Fair 2018

★ = Appropriate to Age Group

RESULTS

- ★ Complete, thorough coverage - Minimal 2 Adequate 3 Mostly 5 ≥ 95%
- Honest, logical results relevant to hypothesis/engineering plan - Minimal 2 Adequate 3 Mostly 4 ≥ 95%
- ★ Data/results justify conclusion - Minimal 2 Adequate 3 Mostly 4 ≥ 95%

DISPLAY and EXPOSITION

- Purpose, hypothesis, procedures, data/results, material/equipment (notebook), analysis, & conclusion Neatness - ≥ 4 Missing 10 3 Missing 15 2 Missing 20 1 Missing 25 Complete w/controls
- Progression of verbal exposition - Messy 2 OK 3 Good 4 Great 6 Stellar
- Progression of verbal exposition - Haphazard 2 Confused 3 Clear 4 & Logical 5 & Succinct

RESEARCH

- Cited authoritative appropriate literature - No 2 1-2 Cites 3 3-4 Cites 4 5 or more cites
- Other approaches/theories - Little mention 2 Some knowledge 3 Good listing 5 Excellent
- Further research/development listed (i.e., areas of improvement) - Little 2 Adequate 3 Excellent

PRESENTATION/INTERVIEW

- Proper focus on important ideas - No focus 3 Good focus 5 Great focus 7 Outstanding focus
- Engagement level - Little 3 Somewhat 5 Fully 7 Enthusiastic

IMPRESSIONS

- Extemporaneous thinking ability - Poor 2 OK 3 Good 4 Very good 5 Excellent
- General impressions of responses - Poor 2 OK 3 Good 4 Very good 5 Excellent
- General impression of knowledge - Poor/bluffing 2 OK 3 Good 4 Very good 5 Expert

PROJECT AS A WHOLE

- Project quality and depth - Average 3 Good 5 Excellent 7 Superior
- Organization - Average 3 Good 5 Very organized 7 Superior organization
- Special Innovation Level (Impression) f Not Special g Noticeable h Unique j New & special k Almost cure for cancer
- ★ Overall challenge level r Below grade s At grade t Above grade u Way above grade
- ★ Percent work performed by student a <80% b 80-84% c 85-89% d 90-94% e 95-100%

JUDGING FLOW OVERVIEW

- Proceed to project location; perform introductions (i.e., verify proper exhibit)
- Student generally has three minute 'speech'; don't let them go past 3 mins
- Interview student to determine scores for this form; bubble the point values
- At four minute warning; complete score sheet and feedback sheet
- Give oral feedback & feedback sheet to student (lots of encouragement)
- Double check this sheet and give to runner

OFFICE CSF /104
OFFICE CSF /84
OFFICE CSF /188



Return this form to a runner when complete.

19 circles to fill on this side