

Pearl Creek Science Fair Judging Form

DEMONSTRATION OF A SCIENTIFIC OR MATHEMATICAL PRINCIPLE

PROJECT #

Student(s): _____ Grade Level(s): _____

Project Title: _____ Teacher(s): _____

Evaluator(s): _____

CRITERION	Circle one number per criterion – DO NOT TALLY TOTAL POINTS			
	4 PTS - <i>SUPERIOR</i>	3 PTS - <i>GOOD</i>	2 PTS - <i>ADEQUATE</i>	1 PT - <i>POOR</i>
PRINCIPLE	<ul style="list-style-type: none"> Focused and organized around <u>one clearly defined principle</u> 	<ul style="list-style-type: none"> Mostly focused and organized around one identified principle 	<ul style="list-style-type: none"> Principle not clearly identified Several unrelated principles used 	<ul style="list-style-type: none"> Unfocused Principle not mentioned
MODELS / ILLUSTRATIONS	<ul style="list-style-type: none"> <u>Includes model</u> (3D) with drawings or photo 	<ul style="list-style-type: none"> No model, but has photos or drawings 	<ul style="list-style-type: none"> Inaccurate, or insufficient model/photos/drawings 	<ul style="list-style-type: none"> No models or drawings
DEMONSTRATION	<ul style="list-style-type: none"> <u>Based on thorough research</u> Clearly <u>demonstrates principle</u> 	<ul style="list-style-type: none"> Based on some research Mostly demonstrates principle 	<ul style="list-style-type: none"> Minimal research Identifies principle 	<ul style="list-style-type: none"> No research Unclear principle
DISPLAY	<ul style="list-style-type: none"> <u>Neatly organized</u> All titles, <u>easy to read</u> Logical, and <u>easy to understand</u> Detailed, accurate <u>info on how demo relates to principle</u> 	<ul style="list-style-type: none"> Mostly organized Many titles, mostly easy to read Mostly logical, fairly easy to understand Mostly accurate, partial explanation on how demo relates to principle 	<ul style="list-style-type: none"> Some organization Some titles, hard to read Some logic, difficult to understand Some accurate, incomplete explanation of how demo relates to principle 	<ul style="list-style-type: none"> Unorganized Titles minimal, unreadable Illogical, difficult to understand Minimal, inaccurate info Principle is not identified
STUDENT-DIRECTED WORK	<ul style="list-style-type: none"> Clearly <u>student's own work</u> <u>Topic stems from student's</u> curiosity and desire to understand world <u>Kid-style spelling and grammar</u> <u>Student's voice</u> and/or quotes Student <u>answers all "process" questions</u> easily Nearly all <u>drawings by student</u> 	<ul style="list-style-type: none"> Mostly student's own work Topic is adult-inspired, but kid enjoys Mostly kid-style spelling and grammar Mostly student's voice/quotes Student can answer most process questions easily Most drawings by student 	<ul style="list-style-type: none"> Some of student's work <i>OR</i> Not sure how much is student's Adult-driven topic, student is mildly interested Some kid-style spelling and grammar Voice lacks student's tone/quotes Student has hard time answering questions about procedure Drawing from internet, or other sources 	<ul style="list-style-type: none"> Not student's own work Adult-driven topic, student disinterested No kid-style spelling and grammar Adult-voice and no quotes (Project may look too perfect and un-kidlike) Student is unable to answer process questions All illustrations from others

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SOURCES/ ACKNOWLEDG- MENTS	<ul style="list-style-type: none"> • <u>3+ sources</u>; clearly & correctly cited • <u>Acknowledges all help</u> 	<ul style="list-style-type: none"> • 1 or 2 sources • Acknowledges most help 	<ul style="list-style-type: none"> • 1 or less sources • Acknowledges some help, but may need prompting 	<ul style="list-style-type: none"> • No sources • No acknowledgements
ORAL SKILLS	<ul style="list-style-type: none"> • <u>Composed, prepared</u> • Introduces project and self <u>with enthusiasm</u> • Speaks clearly, <u>easily understood</u> • <u>Makes eye contact</u> 	<ul style="list-style-type: none"> • Mostly prepared • Enjoys sharing • Can mostly be understood • Makes fairly good eye contact 	<ul style="list-style-type: none"> • Prepared some • Hesitates to share • Hard to hear, can be understood • Looks down a lot 	<ul style="list-style-type: none"> • Unprepared • Disinterested • Quiet, mumbles, hard to understand • Avoids eye contact
ORAL KNOWLEDGE	<ul style="list-style-type: none"> • <u>Strong knowledge</u> • Accurately <u>describes procedure and results</u> • Thoroughly <u>explains relationship between principle and demo</u> • Is able to extend beyond project 	<ul style="list-style-type: none"> • Good knowledge • Describes most of procedure and results • Explains most of how principle relates to demo 	<ul style="list-style-type: none"> • Adequate knowledge • Describes basics of procedure and results • Difficulty explaining how demo relates to principle 	<ul style="list-style-type: none"> • Insufficient knowledge • Can't describe procedure and results • Poor explanation and understanding of principle
POINT SYSTEM:	1st = 28-32 Pts	2nd = 17-27 Pts	3rd = 8-16 Pts	

COMMENTS (use back too):

TO BE FILLED OUT BY COORDINATOR ONLY:

/ 32

PLACEMENT (Circle One):

1st

2nd

3rd