

# Pearl Creek Science Fair Judging Form

## SCIENTIFIC INVENTION OR INNOVATION – Kindergarten – 3<sup>rd</sup> Grade

<b>PROJECT #</b>
------------------

Student(s): \_\_\_\_\_ Grade Level(s): \_\_\_\_\_

Project Title: \_\_\_\_\_ Teacher(s): \_\_\_\_\_

Evaluator(s): \_\_\_\_\_

CRITERION	Circle one number per criterion – DO NOT TALLY TOTAL POINTS			
IF NOT ON DISPLAY- MUST BE ABLE TO ANSWER:	4 PTS - <i>SUPERIOR</i>	3 PTS - <i>GOOD</i>	2 PTS - <i>ADEQUATE</i>	1 PT - <i>POOR</i>
<b>INVENTION MODEL</b>	<ul style="list-style-type: none"> <li>• <u>Works mostly as described</u></li> </ul>	<ul style="list-style-type: none"> <li>• Works as described w. help</li> </ul>	<ul style="list-style-type: none"> <li>• Needs a lot of help to work</li> </ul>	<ul style="list-style-type: none"> <li>• Does not work</li> </ul>
<b>DISPLAY OR INVENTOR'S NOTEBOOK</b>	<ul style="list-style-type: none"> <li>• <u>Mostly organized</u></li> <li>• Many <u>titles, fairly easy to read</u></li> <li>• Mostly logical, <u>can understand</u></li> <li>• <u>Info on invention and need it solves</u></li> <li>• <u>Has material list and drawings</u></li> </ul>	<ul style="list-style-type: none"> <li>• Some organization</li> <li>• Several titles, mostly readable</li> <li>• Some logic, mostly understand</li> <li>• Some info of invention and need it solves</li> </ul>	<ul style="list-style-type: none"> <li>• A little unorganized</li> <li>• Some titles, hard to read</li> <li>• Some logic, can understand</li> <li>• Incomplete info on invention and need it solves</li> </ul>	<ul style="list-style-type: none"> <li>• Unorganized</li> <li>• Titles minimal, unreadable</li> <li>• Illogical, can't understand</li> <li>• No info on invention or need, or inaccurate info</li> </ul>
<b>STUDENT-DIRECTED WORK</b>	<ul style="list-style-type: none"> <li>• Clearly <u>student's own work</u></li> <li>• <u>Topic stems from student's</u> curiosity and desire to understand world</li> <li>• <u>Kid-style spelling and grammar</u></li> <li>• <u>Student's voice and/or quotes</u></li> <li>• Student <u>answers all "process" questions</u> easily</li> <li>• Nearly <u>all drawings by student</u></li> </ul>	<ul style="list-style-type: none"> <li>• Mostly student's own work</li> <li>• Topic is adult-inspired, but kid enjoys</li> <li>• Mostly kid-style spelling and grammar</li> <li>• Mostly student's voice/quotes</li> <li>• Student can answer most process questions easily</li> <li>• Most drawings by student</li> </ul>	<ul style="list-style-type: none"> <li>• Some of student's work OR Not sure how much is students</li> <li>• Adult-driven topic, student is mildly interested</li> <li>• Some kid-style spelling &amp; grammar</li> <li>• Voice lacks student tone/ quote</li> <li>• Student has hard time answering process questions</li> <li>• Drawing from internet, or other sources</li> </ul>	<ul style="list-style-type: none"> <li>• Not student's own work</li> <li>• Adult-driven topic, student disinterested</li> <li>• No kid-style spelling and grammar</li> <li>• Adult-voice and no quotes -Perfect project is un-kidlike</li> <li>• Student is unable to answer process questions</li> <li>• All illustrations from others</li> </ul>
<b>ORAL SKILLS</b>	<ul style="list-style-type: none"> <li>• <u>Composed, prepared</u></li> <li>• Introduces project and self <u>with enthusiasm</u></li> <li>• Speaks clearly, <u>easily understood</u></li> <li>• <u>Makes eye contact</u></li> </ul>	<ul style="list-style-type: none"> <li>• Mostly prepared</li> <li>• Enjoys sharing</li> <li>• Can mostly be understood</li> <li>• Makes fairly good eye contact</li> </ul>	<ul style="list-style-type: none"> <li>• Prepared some</li> <li>• Hesitates to share</li> <li>• Hard to hear, can be understood</li> <li>• Looks down a lot</li> </ul>	<ul style="list-style-type: none"> <li>• Unprepared</li> <li>• Disinterested</li> <li>• Quiet, mumbles, hard to understand</li> <li>• Avoids eye contact</li> </ul>

## SCIENTIFIC INVENTION OR INNOVATION – Kindergarten – 2<sup>nd</sup> Grade

<b>ORAL KNOWLEDGE</b>	<ul style="list-style-type: none"> <li>Excellent understanding <b>Clearly explain all aspects:</b> a) <u>Why</u> invention <u>needed</u> b) <u>How</u> invention <u>works</u> c) Most of <u>construction procedure</u> d) <u>Problems</u> in constructing</li> <li>Likely suggests limitations and improvements</li> </ul>	<ul style="list-style-type: none"> <li>Good understanding <b>Can mostly explain majority of:</b> a) Why invention needed b) How invention works c) Most of construction procedure d) Problems in constructing</li> </ul>	<ul style="list-style-type: none"> <li>Some understanding <b>Explains a few of the aspects:</b> a) Why invention needed b) How invention works c) Most of construction procedure d) Problems in constructing</li> </ul>	<ul style="list-style-type: none"> <li>Limited understanding <b>Limited explanation of:</b> a) Why invention needed b) How invention works c) Construction procedure d) Problems in constructing</li> </ul>
<b>POINT SYSTEM:</b>	<b>1<sup>st</sup></b> = 18-20 Pts	<b>2<sup>nd</sup></b> = 13-17 Pts	<b>3<sup>rd</sup></b> = 5-12 Pts	

### JUDGES — PLEASE PROVIDE *DISTRICT* LEVEL FEEDBACK IF TIME ALLOWS:

<i>These extra-curricular criterion are not required for school science fair projects, however, they will need these qualities to do well at district:</i>	<b>DISTRICT QUALIFYING CRITERIA -- Invention</b>		
	<b>Exceptional</b>	<b>Average</b>	<b>Needs Work</b>
<b>INVENTOR'S NOTEBOOK</b>	<ul style="list-style-type: none"> <li>Lists complete set of materials</li> <li>Documents limitations</li> <li>Detailed procedure allows duplication</li> <li>Very neat and complete</li> <li>Includes multiple drawings.</li> </ul>	<ul style="list-style-type: none"> <li>Lists most materials</li> <li>Procedure with only a few steps missing</li> <li>Readable and mostly complete</li> <li>Includes a few drawings</li> </ul>	<ul style="list-style-type: none"> <li>Limited, shows incomplete understanding of invention</li> </ul>
<b>ORAL KNOWLEDGE</b>	<p>Clearly explains in detail: Construction procedure; how invention works; why invention is needed; limitations; how inventor's notebook is set up; possible problems &amp; improvements</p> <ul style="list-style-type: none"> <li>Knowledge is extensive and is able to extend beyond project</li> </ul>	<ul style="list-style-type: none"> <li>Describe construction procedure and testing</li> <li>Can adequately explain how invention solves problem and any limitations;</li> <li>Can somewhat describe and explain contents of inventors' notebook;</li> <li>Can discuss possible improvements when prompted</li> </ul>	<ul style="list-style-type: none"> <li>Limited understanding</li> <li>Unclear explanation</li> </ul>
<b>DISPLAY</b>	<ul style="list-style-type: none"> <li>Neat and attractive</li> </ul>	<ul style="list-style-type: none"> <li>Mostly neat and attractive</li> </ul>	<ul style="list-style-type: none"> <li>Not neat or attractive</li> </ul>
<b>RESEARCH &amp; SOURCES</b>	<ul style="list-style-type: none"> <li>3+ sources, clearly &amp; correctly cited</li> <li>Acknowledges all help</li> </ul>	<ul style="list-style-type: none"> <li>1 or 2 sources or incorrectly sited</li> <li>Some acknowledgments of help</li> </ul>	<ul style="list-style-type: none"> <li>No sources</li> <li>No acknowledgements</li> </ul>

**COMMENTS (use back please):**

**TO BE FILLED OUT BY COORDINATOR ONLY:**

**PLACEMENT (Circle One):**

**1<sup>st</sup>**

**2<sup>nd</sup>**

**3<sup>rd</sup>**

/ 20