

Escalante Valley Elementary Science Fair
Registration Form
Return to student's teacher by May 1, 2017

Student's first and last name _____

Grade _____

Parent/Guardian Signature _____

The original science question (known as the problem) my project will answer (solve) is:

My project will be: (please check one)

- **Collection (Kindergarten and 1st grade only)** you will collect and organize something of interest, answering questions related to the observations made while exploring your world. Examples: What kinds of insects can be found in my backyard? What types of tree leaves can be found on my street?
- **Experiment (First through 6th grades)** you will conduct an experiment to find the answer to your question/problem. The Scientific Method will take you through the process of asking a question, doing some research, making a hypothesis (guess), planning and conducting your experiment and analyzing your results.
- **Invention (Second through 6th grades)** everyone can be an engineer. You will design an object or process that will solve a real life problem. The Engineering Design Process will take you through the process of finding a problem, doing a little research, brainstorming solutions, choosing one solution, developing a plan, and building a model.
- **Research Project (Second through 6th grade)** Someone has already found the answer to your question/problem, and you will research their answer/solution by reading books, talking to experts, and gathering information from other sources. Your display board will have drawings, photographs, charts, and graphs. Example: How do clouds form, how does a light bulb operate? How does solar light work?

*Our school has decided to include more categories to allow more students to "show off" their strengths.

Collection Judging Rubric

Title of Project: _____

Grade Level: _____

Scientist: _____

<p>To what degree does the project use <u>Observation Skills (3 points)</u></p> <ul style="list-style-type: none"> • Records the data about size, shape, texture, weight, color etc. • Includes drawings, photos, charts, or graphs. • Includes questions and guesses (inferences) that are the result of observations. 	<p>Circle the number that best describes the project</p> <p style="text-align: center;">3 2 1 0</p>
<p>To what degree does the project show <u>Understanding and Clarity (3 points)</u></p> <ul style="list-style-type: none"> • Complete explanation of project. • Fully able to discuss all parts of the project. • Responds to and clarifies questions. 	<p style="text-align: center;">3 2 1 0</p>
<p>To what degree does the project show <u>Creative Ability (3 points)</u></p> <ul style="list-style-type: none"> • Student put forth all effort in presentation. • Project was appropriate and within the ability of the student • Display is neat, organized and free of errors. • Display is clear and easy to understand. 	<p style="text-align: center;">3 2 1 0</p>

Experiment Judging Rubric

Title of Project: _____

Grade Level: _____

Scientist: _____

<p>To what degree does the project use <u>Scientific Thought (3 points)</u></p> <ul style="list-style-type: none"> • Question is important, original and testable • Research helps the understanding • Hypothesis-complete and testable guess • Experiment has variables identified • Analysis-showing data collected • Conclusion is clear 	<p>Circle the number that best describes the project</p> <p style="text-align: center;">3 2 1 0</p>
<p>To what degree does the project show <u>Understanding and Clarity (3 points)</u></p> <ul style="list-style-type: none"> • Complete explanation and well written • Fully able to discuss all parts of the project. • Responds to and clarifies questions with strong speaking skills. • Easily understood and easy to follow 	<p style="text-align: center;">3 2 1 0</p>
<p>To what degree does the project show <u>Creative Ability (3 points)</u></p> <ul style="list-style-type: none"> • Student put forth all effort in presentation. • Project was appropriate and within the ability of the student • Project showed original thinking and methods • Display is neat, organized and free of errors. 	<p style="text-align: center;">3 2 1 0</p>

Invention or Engineering Judging Rubric

Title of Project: _____

Grade Level: _____

Scientist: _____

<p>To what degree does the project use <u>Engineering Design Process (3 points)</u></p> <ul style="list-style-type: none"> • Problem is important and needs to be solved • Research helps the understanding • Idea or solution is aligned to the intent of the problem • Develop a plan that is clear • Build a model 	<p>Circle the number that best describes the project</p> <p style="text-align: center;">3 2 1 0</p>
<p>To what degree does the project show <u>Understanding and Clarity (3 points)</u></p> <ul style="list-style-type: none"> • Complete explanation and well written • Fully able to discuss all parts of the project. • Responds to and clarifies questions with strong speaking skills. • Communicates the success or failure of design. 	<p style="text-align: center;">3 2 1 0</p>
<p>To what degree does the project show <u>Creative Ability (3 points)</u></p> <ul style="list-style-type: none"> • Student put forth all effort in presentation. • Project was appropriate and within the ability of the student • Project showed original thinking and methods • Display is neat, organized and free of errors. 	<p style="text-align: center;">3 2 1 0</p>

Research Judging Rubric

Title of Project: _____

Grade Level: _____

Scientist: _____

<p>To what degree does the project use <u>Research Skills (3 points)</u></p> <ul style="list-style-type: none"> • Problem/Question is important and interesting • Research helps understanding, answers the question, and is from many sources. • Includes facts. • Includes drawings, photos, charts or graphs. 	<p>Circle the number that best describes the project</p> <p style="text-align: center;">3 2 1 0</p>
<p>To what degree does the project show <u>Understanding and Clarity (3 points)</u></p> <ul style="list-style-type: none"> • Complete explanation and well written • Fully able to discuss all parts of the project. • Responds to and clarifies questions with strong speaking skills. 	<p style="text-align: center;">3 2 1 0</p>
<p>To what degree does the project show <u>Creative Ability (3 points)</u></p> <ul style="list-style-type: none"> • Student put forth all effort in presentation. • Project was appropriate and within the ability of the student • Display is neat, organized and free of errors. • Display is clear and easy to understand. 	<p style="text-align: center;">3 2 1 0</p>