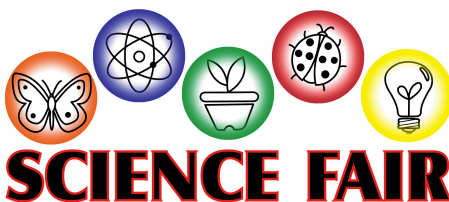


Important District/State Science Fair Dates

Project Start Date: September
SRC Deadlines: 10/14 & 10/28
RBSMS Science Fair: 12/2**
Important Paperwork: 12/21
Regional Science Fair: 2/4
State Science Fair: 3/28-3/30

**Subject to change

R.B.S.M.S.



Resources

Canvas Page

<https://pasco.instructure.com/courses/119634/pages/science-and-engineering-fair>

Archimedes Initiative

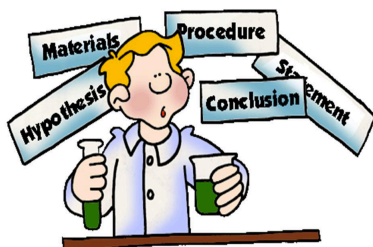
<http://archimedesinitiative.org/>

Discovery Education

<http://school.discoveryeducation.com/sciencefaircentral/Getting-Started.html>

Important Parts

- **Topic:** Students will select a topic following guidelines established by their teacher.
- **Research:** Student conducts valid research about their topic with several documented resources.
- **Question/hypothesis:** students will come up with a question about their topic and develop a hypothesis to test.
- **Materials/Procedure:** Students will identify materials needed to experiment and develop a step by step procedure to follow, identifying variables within the experiment.
- **Experiment/Data:** Students will complete their experiments and gather data
- **Analysis/conclusion:** students will analyze their data and make conclusions about their experiment
- **Submission:** Students will submit a final project with all required documentation.



Sample Backboard

<p>Materials: Be sure to list everything you have used to help you complete the experiment.</p>	<p>Title: Your title should capture interest in about 5 words or less, if possible</p>	<p>Abstract: Summarize your research so that the important facts fit on one page.</p>
<p>Procedures: How did you run your experiment? Tell it step by step (1", next, then, after that, finally)</p>	<p>Question: What is your scientific question? (Ex. why does, how does, will this...)</p>	
<p>Variables: Independent Variable (What I change) <i>Spelling that is changed by the scientist. EItHeZOr, wIth/WIthOut, cLoSeD/open, lIghT/dark, etc.</i> Controlled variable (what I keep the same) The part of the experiment or "test" that is not changed at all. Dependent variable (what I observe): This is something that you notice after you make your change</p>	<p>Hypothesis: What do you think will happen when you run the experiment? What do you predict? This is an educated guess.</p>	
	<p>Reason/Purpose: Tell the reasons you are conducting this experiment. What do you want to learn?</p>	
	<p>Pictures: "SHOW" your experiment here. Use color, if possible.</p>	<p>Results and Conclusion: Tell/describe the exact outcome. Use data to support statements. Summarize your results, tell if the results support or challenge your hypothesis, what was the relationship between the dependent and independent variables, judge your procedure, and suggest changes you would make next time.</p>
	<p>Graphs/Data Tables: Label graphs, charts, and tables (results of the experiment organized in a data table)</p>	

Key components of science project does not have to be in a "set" format. This is just a sample guide.



Guidelines

No BSL-2 Projects for Middle School will be allowed

Topic must be approved by teacher

Students must submit all required parts on required due dates.

Students need to notify their teacher if they want to attend district science fair.

Suggested Timeline

See individual teachers for exact dates of parts of science fair. It will vary by class.

September

Topic selection, Research, hypothesis, materials, identify variables, and procedure

October

Complete Experiment and gather data

November

Analyze data, conclusion, assemble backboard, submit final project

Grading

Teachers will have a rubric for their students to follow.

When grading a science fair project teacher will may consider the following items:

- Creativity/originality
- Scientific thought
- Thoroughness
- Skills
- Communication
- Assignments turned in on time
- All required parts are present