

# Science Fair News



**What:** **Science Fair** (display of home project)

**When:** February 21, 2012

**Who:** 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> grade students!

*It is time for Appomattox students to shine, shine, shine! Put on your Science cap and get ready to design an experiment of your very own!*

**Top projects will be selected from winning projects to participate in the Central Virginia Regional Science Fair this Spring!** The Central Virginia Regional Science Fair is the local sponsor of the Discovery Challenge to give young scientists in grades 5-8 the opportunity to be recognized for their scientific interests.

*Guidelines:*

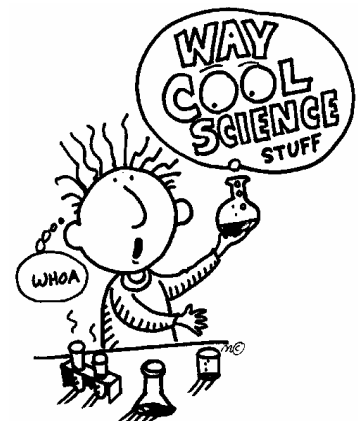
**Safety:**

- 1 The experiments must be conducted under adult supervision and use only approved materials.
- 1 Experiments using LIVE vertebrate animals, pathogenic bacteria, fungi or human subjects are NOT eligible for the competition.

**Standing Display Board:** (must stand up by itself)

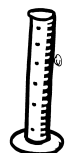
**Size requirements –**

- 🧪 Suggested size is 20 x 30 inches
- 🧪 Maximum size is 36 inches wide x 48 inches tall



**Headings include -**

- 💡 Title
- 💡 Purpose: (identify the question)
- 💡 Background Information (concepts to understand)
- 💡 References- (minimum 2; Internet sources acceptable if approved by teacher)
- 💡 Hypothesis
- 💡 Independent and Dependent Variable
- 💡 Constants
- 💡 Experimental Plan: (method used; flow diagram or written description with pictures)
- 💡 Recorded Observations: (Results must have written explanation with graph or table showing data collected, pictures)
- 💡 Conclusion



**PLEASE NOTE: Chemicals, liquids, hazardous devices or living specimen are NOT allowed to be displayed with the poster. All projects will be screened at check-in. Violations will not be judged. This is a safety issue.**

Model size should not exceed 2'x 2'x 2'.

**Written paper on background information presenting concepts needed for understanding of project is required.** Minimum of two different types of sources.

### **Judging Criteria for Awards**

#### **Poster Display**

- ✓ Do the display board and written materials demonstrate the student's understanding of the research conducted?
- ✓ Is the poster neatly constructed?
- ✓ Is the material presented in a logical, orderly manner that is easily interpreted?

#### **Communicating with the Judges**

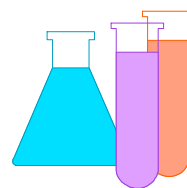
- ✓ Does the student explain the experiment clearly?
- ✓ Does the student understand the concepts of the experiment?
- ✓ Does the student see the practical application of the experiment?
- ✓ Is the student comfortable in conversing about the project and related science concepts?

Trophies will be awarded for first place winners. Ribbons will be awarded for second, third, and honorable mention winners.

This is a wonderful opportunity for you and your child to investigate an area of interest together!

Sincerely,

Appomattox Middle School Science Department



#### **Parent:**

I have read the Science Fair guidelines and agree to check on the progress of my child's project periodically. I am aware that a sheet with separate due dates has also been sent home for my review.

Parental Signature: \_\_\_\_\_ Date: \_\_\_\_\_

#### **Student:**

I have read the Science Fair guidelines. I understand that this project counts as a test grade.

Student's Signature: \_\_\_\_\_ Date: \_\_\_\_\_