

# 1<sup>st</sup> Annual Clifdale Family Science Fair

*Sponsored by the Clifdale Science Committee*

Tuesday, February 23, 2010  
6:30-8:00 p.m.

## GENERAL INFORMATION

### **What Kinds of Projects Can Students Do?**

Students can do any kind of science-related, age-appropriate project that interests them and uses the scientific method. Steps to the Scientific Method:

- **Ask a Question**
- **Do Background Research**
- **Construct a Hypothesis**
- **Test Your Hypothesis by Doing an Experiment**
- **Analyze Your Data and Draw a Conclusion**
- **Communicate Your Results**

Remember this is a non-competitive fair and projects will not be “judged” or graded. Projects will be displayed, and shared with others on Science/Math Night. Be creative and have fun!!!

### **Parent Suggestions:**

#### **Do.....**

1. Read through this packet of materials with your child.
2. Assist your child in finding a project that is interesting and challenging but is within their ability to carry out in the time available.
3. Discuss the plan for the project with your child and help them understand the procedures that need to be followed.
4. Assist your child in collecting supplies and materials needed.
5. Take your child to the library or help them find other resources, as needed.
6. Point out the importance of accurate observations and careful record keeping.
7. Supervise the use of tools, chemicals and other hazardous materials.
8. Discuss ways to display the project and construct display together.
9. Give lots of encouragement along the way and have fun with the project!

#### **Don't....**

1. Don't select the project for your child.
2. Don't do the project for them.
3. Don't let them wait until the last minute to do the project.
4. Don't let them think that the project is a failure if it doesn't turn out as expected. Finding out what doesn't work, as well as what does work, is a part of learning.

## **General Science Fair Rules:**

Anything which could be hazardous to the public is prohibited from display.  
The **PROHIBITED** items include:

- Containers filled with liquids **INCLUDING WATER.**
- Live disease-causing organisms which are pathogenic to man or other live vertebrates
- Microbial cultures (including plants) and fungi, live or dead, including unknown specimens
- Soil and waste samples and materials
- Food (either human or animal)
- Any flames, open or concealed
- Highly flammable materials
- Syringes, pipettes and similar devices
- Liquified or solidified gases (e.g. "dry ice")
- Class III or IV lasers
- Firearms or projectile launchers of any kind
- Tanks which contain, or have contained, combustible gases (e.g. propane)
- Taxidermy specimens or parts
- Preserved vertebrate or invertebrate animals
- Human or animal parts  
(Exceptions: teeth, hair, nails, bones, histological sections, and wet-mount tissue slides)
- Poisons, drugs, or controlled substances
- Synthetic Chemicals
- Any exhibit producing temperatures exceeding 212 deg. F (100 deg. C) must be adequately insulated from its surroundings.
- Any moving belts or pulleys must be covered.
- Batteries with open-top cells are not permitted. (Other types of batteries may be used.)
- No high voltage electricity.
- Electric circuits requiring 110-volt AC must have a UL-approved cord of proper load-carrying capacity, and that cord must be at least nine feet long.

## **Project Display**

Using the provided board the project information should be displayed the following way:

**Center-title** (written in question form) on top, **material list** on bottom

**Left flap- hypothesis** (predict the outcome of your project before conducting experiment) statement on top, **purpose** (tell what you are trying to find out or prove) **procedures** (tell what you did in a step by step understandable way) on bottom

**Right flap- top- results** (tell what you found out you can use graphs or tables and statement can be written), bottom- **conclusion** (summary of experiment and what was learned, and tell if hypothesis was proven)

## **Project Ideas:**

You can get ideas from our school website where we have links posted or you can contact Ms. Jolly for help [tiffanyj@spa3.k12.sc.us](mailto:tiffanyj@spa3.k12.sc.us)

**Important Dates to Remember:**

1) Projects are due by **Monday February 22, 2010** to be displayed for Science/Math Night. Students may bring the projects with them to school to set them up, or you may bring it to the office and office staff will direct you where to go set your project up.

2) Math/Science Night **February 23**, 2010 6:30-8:00

3) Projects must be picked up by **February 24**

-----Cut and attach to back of project-----

**Science Project Entry Form**

**Title of Project:**\_\_\_\_\_

**Student's name:**

\_\_\_\_\_

**Teacher:**

\_\_\_\_\_

**Grade:**

\_\_\_\_\_