

General Rules

1. Young scientists will have an opportunity to talk with an adult mentor about their project and will receive an entry ribbon and written comments. Numerical scores will not be given. Certificates will be awarded in a variety of special categories.
2. Parents may help by gathering materials and giving advice, but should not create the project for the student. The purpose of our fair is to acknowledge and celebrate our young scientists.
3. A maximum of 30 inches wide, 30 inches high and 18 inches deep.
4. No poisonous animals or experiments that will hurt animals.
5. A team project (maximum of 2 individuals) is acceptable.
6. Projects must arrive no later than 8:00 a.m. and be removed by 8:00 p.m. We cannot guarantee the condition of projects left overnight.

HOW TO MAKE A SCIENCE FAIR EXPERIMENT

THE SCIENTIFIC METHOD

1. Decide on a statement or question. What is the effect of soap on the surface tension of water? (See list below for other ideas.)
2. Choose a model or experiment to answer your question or demonstrate your statement.

Control: glass filled with water pennies added	Experiment: 1 drop of soap glass filled with water pennies added
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3. In writing tell what you did.
 - a. Filled a glass with water.
 - b. Slowly added pennies until water overflowed.
 - c. Repeated steps a. and b. but added 1 drop of soap to water first.
4. Write results:
 - a. After adding 50 pennies, the water overflowed.
 - b. One of the properties of a molecule is that they attract each other.
5. Tell why this happened.
 - a. Pennies displaced the water. (Liquid matter is made up of molecules.)
 - b. One of the properties of a molecule is that they attract each other.
 - c. Soap somehow reduces the property of molecules attracting each other.
6. Make a display. Your display should show what you did. (Sample of a 3-sided display below.)

Size restriction:
30 inches long
30 inches high
18 inches deep
7. Be able to explain what you did.