

# SCIENCE SAFETY RULES

## GENERAL PRECAUTIONS:

1. Read all directions for an experiment several times before beginning the activity. Carefully follow all written and oral instructions.
2. Never perform activities without direct supervision.
3. Eating and drinking is prohibited in the classroom.
4. Keep work areas clean and tidy at all times.
5. Do not fool around!

## DRESS CODE:

1. Wear safety glasses whenever you work with chemicals, flames, glassware, or any substance that might get in your eyes. Any time Ms. Caulfield wears safety glasses, you should too!
2. Tie back long hair to keep it away from any chemicals, flames, or equipment. Remove or tie back any article of clothing or jewelry that can hang down.

## FIRST AID:

1. Always report accidents or injuries to your teacher, no matter how minor.
2. Learn what to do in case of a specific accident such as a chemical spill.
3. Know the location of emergency equipment such as the fire extinguisher and fire blanket.
4. Know the location of the nurse's office, nearest phone, and who to contact in the case of emergency. Remember that phone numbers are posted next to the telephone.

## HEATING & FIRE SAFETY:

1. Only heat substances when instructed to do so. Substances that are harmless when cool may be dangerous when heated.
2. Keep all combustible materials away from flames or electrical sparks.
3. Never reach across a flame.
4. Chemicals can splash or boil out of a heated test tube. Always point the open end of a test tube away from you and others when heating.
5. Never heat a liquid in a closed container. The expanding gases may cause the glass to shatter.
6. Always use heat resistant gloves to handle objects that have been heated.

## USING CHEMICALS SAFELY:

1. Never mix chemicals "for the fun of it." You might produce a dangerous combination.
2. Do not touch, taste, or smell chemicals for identification.
3. Use only those chemicals needed in the experiment.
4. Keep all chemicals closed when not in use.
5. Dispose of your chemicals as instructed by your teacher.
6. Use a wafting motion when instructed to test for odors, do not inhale fumes directly.

**USING GLASSWARE SAFELY:**

1. Never heat glassware that is not thoroughly dry on the outside.
2. Use an oven mitt when handling glass that may be hot.
3. Never use broken, cracked, or chipped glassware.
4. Dispose of broken glassware by first wrapping it in paper towels.
5. Thoroughly clean glassware before putting it away.

**END OF EXPERIMENT PROCEDURE:**

1. After your experiment is complete, clean up your work area and return all equipment to its proper place.
2. Dispose of waste materials as instructed by your teacher.
3. Wash your hands after every experiment.
4. Turn off and unplug and electrical equipment.

After reviewing the guidelines above, sign and date the attached **Science Safety Contract** and hand it in to Ms. Caulfield. Place the Science Safety rules in your binder as a reminder of what is expected of you this year in the science lab.

# SCIENCE SAFETY CONTRACT

I \_\_\_\_\_, have read the Science Safety  
(print full name)

understand them completely. I agree to demonstrate compliance with all safety rules and  
guidelines that have been established in each of the following categories: (Please check)

- General Precautions**
- Dress Code**
- First Aid**
- Heating and Fire Safety**
- Using Chemicals Safely**
- Using Glassware Safely**
- End of Experiment Procedure**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date