

# Mrs. McNeil's Science Class

## Lab Safety Guide

It's better to be safe than sorry!



### STUDENT RESPONSIBILITIES:

1. Determine the purpose and procedure of the experiment by reading completely the experiment before actually beginning.
2. Wear proper protective equipment.
3. Be aware of the dangers of long hair, long sleeves, and loose clothing.
4. Laboratory groups will be assigned. Remain in your lab group throughout the experiment. Lab activities are team efforts.
5. Do the experiments as assigned and in the manner prescribed. Unauthorized experimentation is not permitted.
6. Keep your lab and other working areas neat and clean during lab sessions.
7. Running, horseplay and practical jokes are NOT allowed. Stay on-task and maintain quiet behavior during lab sessions. Loud and boisterous behavior is not acceptable.
8. Dispose of materials in the proper containers as instructed by your teacher. German law is extremely specific in reference to the disposal of chemicals.
9. To avoid poisoning and/or contamination, no eating or drinking is allowed in the science classroom or laboratory.
10. Know the location and proper use of the emergency safety materials such as the fire blanket, eyewash, and fire extinguisher.
11. The teacher MUST be notified IMMEDIATELY of any accident, even if minor.
12. All laboratory equipment MUST be properly cleaned, dried and put away at the end of the lab session. This includes lab aprons, goggles, general lab areas, and sinks.

### CHEMICAL SAFETY:

1. Replace caps on chemical bottles immediately after use.
2. NEVER return unused solutions or solids to stock containers as they can contaminate the stock chemical. Report suspected contamination to the teacher.
3. Use paper to protect balance pans. Chemicals SHOULD NOT be placed directly on the balance pan.
4. Never taste chemicals or drink from laboratory glassware.
5. Test the odor of chemicals by waving your hand over the container and sniffing cautiously. Avoid inhaling chemical fumes.
6. Consider ALL chemicals to be dangerous. Most of them can be dangerous if used incorrectly.
7. CLEAN UP IMMEDIATELY ANY CHEMICAL SPILLS. Report any hazardous conditions.
8. Laboratory counters and tabletops WILL be cleaned and dried after each laboratory session.
9. FOLLOW DIRECTIONS for the proper disposal of wastes.
10. EYE SAFETY: If an accident occurs which involves splashing any chemicals into the eye, rinsing or washing of the eye must start immediately and continue for a minimum of 15 minutes. Students will be REQUIRED to wear protective goggles during laboratory periods that can involve any danger to the eyes.
11. TEACHER INSTRUCTIONS: Any additional safety instruction associated with any experiment as determined by the teacher MUST be followed.

ALL STUDENTS TAKING PART IN ANY SCIENCE LABORATORY ACTIVITY  
MUST HAVE A SAFETY CONTRACT ON FILE WITH THEIR SCIENCE TEACHER.  
BOTH THE STUDENT AND A PARENT OR SPONSOR MUST SIGN THIS CONTRACT.