**Lab Safety:** Important to cover each year. Have students take and pass safety quiz with a perfect paper. First time 100% - "A", Second time 100% - "B", Third time 100% - "C" etc.

**Lab Violation Form:** Third violation - retake quiz. Fourth violation - detention. Fifth violation - conference with parents. Sixth violation - conference with parents and administration

**Lab Safety:** (Lab coat, safety glasses, Pie tin w. whip cream)

Demo - Ask for two volunteers. Have one wear proper lab attire

Have the second use whip cream to demonstrate proper use of safety equipment.

1. Eye Goggles are to be worn whenever chemicals, source of heat or glassware are used.

Sanitize Goggles between use. Use alcohol to clean off mascara.

**Contact lenses:** (Transparency contact lense, eye colored on transparency, red food coloring)

Demo - drop food coloring at edge of transparency lense and observe it being wicked.

2. When a chemical gets in your eye, flush with water, inform your instructor, and clean up.

**Chemical Spills:** (Acid/base spill kits, mercury spills)

2. When a corrosive chemical gets on your clothing flush with water under shower.

Then inform your teacher and mop up your mess

3. Fume hood is to be used with corrosive or toxic chemicals.

**Electricity:** (Pickle, electric cord and electrodes)

4. Danger of Electricity: Demo - Electric Pickel

**Fires:** (Glass petri dishes, matches, Methanol, NaCl, KCl, BaCl, ...soap bubbles and gas source)

5. Fires: Demo - Chlorides. Deprive of oxygen

6. Nature of fire. Demo with bubbles - Fire burns up

7. Bunsen Burner demo using a glass tube

**Putting Fires Out:** (match, blanket, sand, gas stove, pan, wax, water bottle, safety glasses)

8. Fire blanket (Use only the approved fire blanket)

9. Oil or wax fire demo with water. (Outside only with proper safety)

10. Use sand for chemical fires