

Science Safety



**Safety is the
Responsibility of
EVERYONE!**

MY Responsibilities:

MY Responsibilities:

- To provide safe learning activities
(we're NOT blowing anything up!)

MY Responsibilities:

- To provide safe learning activities (we're NOT blowing anything up!)
- To provide appropriate safety equipment

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- To provide safe learning activities (we're NOT blowing anything up!)
- To provide appropriate safety equipment
- To provide verbal and written safety instructions whenever needed

MY Responsibilities:

- To provide safe learning activities (we're NOT blowing anything up!)
- To provide appropriate safety equipment
- To provide verbal and written safety instructions whenever needed
- To provide safety instruction

YOUR Responsibilities

YOUR Responsibilities

- To follow instructions everyday, all day, without exception

YOUR Responsibilities

- To follow instructions everyday, all day, without exception
- To read and double check all written safety instructions

YOUR Responsibilities

- To follow instructions everyday, all day, without exception
- To read and double check all written safety instructions
- To ask questions when confused

General Safety Information

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- All science classes have *potential* hazards

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- The more advanced the class, the greater the possibility for safety issues

General Safety Information

- All science classes have *potential* hazards
- The more advanced the class, the greater the possibility for safety issues

Concerns & Issues for OUR Class



Concerns & Issues for OUR Class

- **General hazard warning**



Concerns & Issues for OUR Class

- **General hazard warning**
 - When you see this symbol, triple check for safety issues



Goggle Use



Goggle Use

- Wear goggles when using:



Goggle Use

- Wear goggles when using:
 - Chemicals



Goggle Use

- Wear goggles when using:
 - Chemicals
 - Sharp objects



Goggle Use

- Wear goggles when using:
 - Chemicals
 - Sharp objects
 - Fire



Goggle Use

- Wear goggles when using:
 - Chemicals
 - Sharp objects
 - Fire
- **NON-NEGOTIABLE**



Goggle Use

- Wear goggles when using:
 - Chemicals
 - Sharp objects
 - Fire
- **NON-NEGOTIABLE**
- **It's a LAW!**



Fire



Fire

- Fire hazard



Fire

- Fire hazard
 - Use goggles



Fire

- Fire hazard
 - Use goggles
 - Tie back long hair



Fire

- Fire hazard
 - Use goggles
 - Tie back long hair
 - Tie back loose clothing



Electrical



Electrical

- Electrical Hazard



Electrical

- Electrical Hazard
 - Watch for water



Electrical

- Electrical Hazard
 - Watch for water
 - Be aware of cords



Poison



Poison

- Poison Hazard



Poison

- Poison Hazard
 - Wear goggles



Poison

- Poison Hazard
 - Wear goggles
 - Read label



Poison

- Poison Hazard
 - Wear goggles
 - Read label
 - Keep away from mouth



Corrosive



Corrosive

- Corrosive Hazard



Corrosive

- Corrosive Hazard
 - Wear goggles



Corrosive

- Corrosive Hazard
 - Wear goggles
 - Read labels



Corrosive

- Corrosive Hazard
 - Wear goggles
 - Read labels
 - Wear apron



Corrosive

- Corrosive Hazard
 - Wear goggles
 - Read labels
 - Wear apron
 - Keep off skin



Safety Contract

Safety Contract

- Each student and a parent or guardian will sign a safety contract.

Safety Contract

- Each student and a parent or guardian will sign a safety contract.
- Students without a signed contract on file will not be allowed to participate labs.

Safety Contract

Safety Contract

- I will act responsibly at all times in the classroom. I understand that horseplay, jokes, and pranks are not appropriate in a science classroom.

Safety Contract

- I will act responsibly at all times in the classroom. I understand that horseplay, jokes, and pranks are not appropriate in a science classroom.
- I will follow all instructions, written and verbal, about the laboratory procedures given by the teacher.

Safety Contract

- I will act responsibly at all times in the classroom. I understand that horseplay, jokes, and pranks are not appropriate in a science classroom.
- I will follow all instructions, written and verbal, about the laboratory procedures given by the teacher.
- I will not touch any equipment or supplies until instructed to do so by the teacher.

Safety Contract

Safety Contract

- I will perform only those activities that have been authorized by the teacher. I will never do anything that is not called for by the procedure. **I understand that unauthorized experiments are forbidden.**

Safety Contract

- I will perform only those activities that have been authorized by the teacher. I will never do anything that is not called for by the procedure. **I understand that unauthorized experiments are forbidden.**
- I will keep my table and the area around it clean and neat.

Safety Contract

Safety Contract

- I will wear my safety goggles whenever we are working with chemicals or heat. **I understand that there are no exceptions to this rule.**

Safety Contract

- I will wear my safety goggles whenever we are working with chemicals or heat. **I understand that there are no exceptions to this rule.**
- I will immediately notify the teacher of any emergency.

Safety Contract

- I will wear my safety goggles whenever we are working with chemicals or heat. **I understand that there are no exceptions to this rule.**
- I will immediately notify the teacher of any emergency.
- I will tie back long hair, baggy clothes, and dangling jewelry while doing a laboratory activity.

Safety Contract

Safety Contract

- Always carry a microscope with both hands. Hold the arm with one hand; place the other hand under the base.

Safety Contract

- Always carry a microscope with both hands. Hold the arm with one hand; place the other hand under the base.
- Never open storage cabinets without permission from the teacher.

Safety Contract

Safety Contract

- I will treat all preserved specimens and dissecting supplies with care and respect.

Safety Contract

- I will treat all preserved specimens and dissecting supplies with care and respect.
 - I will not remove preserved specimens from the science room.

Safety Contract

- I will treat all preserved specimens and dissecting supplies with care and respect.
 - I will not remove preserved specimens from the science room.
 - I will use scalpels, scissors, and other sharp instruments only as instructed.

Safety Contract

- I will treat all preserved specimens and dissecting supplies with care and respect.
 - I will not remove preserved specimens from the science room.
 - I will use scalpels, scissors, and other sharp instruments only as instructed.
 - I will never cut any material towards me—always cut away from my body.

Safety Contract

- I will treat all preserved specimens and dissecting supplies with care and respect.
 - I will not remove preserved specimens from the science room.
 - I will use scalpels, scissors, and other sharp instruments only as instructed.
 - I will never cut any material towards me—always cut away from my body.
 - I will report any cut or scratch from sharp instruments to the teacher immediately.

Safety Contract

Safety Contract

- I know whom to contact for help in case of an emergency.

Safety Contract

- I know whom to contact for help in case of an emergency.
 - Ms. Baker

Safety Contract

- I know whom to contact for help in case of an emergency.
 - Ms. Baker
 - Principals

Safety Contract

- I know whom to contact for help in case of an emergency.
 - Ms. Baker
 - Principals
 - Ms. Parisi

Safety Contract

- I know whom to contact for help in case of an emergency.
 - Ms. Baker
 - Principals
 - Ms. Parisi
 - Call Office

Safety Contract

- I know whom to contact for help in case of an emergency.
 - Ms. Baker
 - Principals
 - Ms. Parisi
 - Call Office
 - 911 (It had better be SERIOUS!)

Safety Contract

Safety Contract

- I will not take anything out of the classroom without permission from the teacher.

Safety Contract

- I will not take anything out of the classroom without permission from the teacher.
- I will never eat, drink, or chew gum in the classroom unless instructed to do so by the teacher. I will not use classroom equipment as containers for food or drink.

Safety Contract

- I will not take anything out of the classroom without permission from the teacher.
- I will never eat, drink, or chew gum in the classroom unless instructed to do so by the teacher. I will not use classroom equipment as containers for food or drink.
- I will only handle living organisms when authorized to do so by the teacher.

Breaking the Contract

Breaking the Contract

- On a case-by-case basis, breaking the contract may result in:

Breaking the Contract

- On a case-by-case basis, breaking the contract may result in:
 - Removal from the lab activity with alternate assignments given

Breaking the Contract

- On a case-by-case basis, breaking the contract may result in:
 - Removal from the lab activity with alternate assignments given
 - School disciplinary procedures

References

References

- Safety Symbols:

References

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 - <http://science.nsta.org/enewsletter/2003-06/safetym.htm>

References

- Safety Symbols:
 - <http://science.nsta.org/enewsletter/2003-06/safetym.htm>
 - This powerpoint was adapted from www.science-class.net . The original can be viewed at http://www.science-class.net/PowerPoints/ScienceSafety_files/frame.htm