

# Engineering Student Safety Contract

Student Name: \_\_\_\_\_

Block: \_\_\_\_\_

## PURPOSE

Engineering is a hands-on laboratory class. However, Engineering activities may have potential hazards. We could use some equipment and animals that may be dangerous if not handled properly. Safety in the engineering classroom is an important part of the engineering design process. To ensure a safe classroom, a list of rules has been developed and is called the engineering Student Safety Contract. These rules must be followed at all times. Additional safety instructions will be given for each activity.

No engineering student will be allowed to participate in science activities until this contract has been signed by both the student and a parent or guardian.

## SAFETY RULES

1. Conduct yourself in a responsible manner at all times in the technology labs. Horseplay, practical jokes, and pranks will not be tolerated.
2. Follow all written and verbal instructions carefully. Ask your teacher questions if you do not understand the instructions.
3. Do not touch any equipment, supplies, or other materials in the technology labs without permission from the teacher.
4. Perform only authorized and approved experiments. Do not conduct any experiments when the teacher is out of the room.
5. Never eat, drink, chew gum, or taste anything in the technology labs without permission.
6. Keep hands away from face, eyes, and mouth while using technology materials or when working with either chemicals or animals. Wash your hands with soap and water before leaving the technology room after certain projects.
7. Wear safety glasses or goggles when instructed. Never remove safety glasses or goggles during an experiment. There will be no exceptions to this rule.
8. Keep your work area and the technology labs neat and clean.
9. Clean all work areas and equipment at the end of the experiment. Return all equipment clean and in working order to the proper storage area.
10. Follow your teacher's instructions to dispose of any waste materials generated during the production of projects.
11. Report any accident (fire, spill, breakage, etc.), injury (cut, burn, etc.), or hazardous condition (broken equipment, etc.) to the teacher immediately.
12. Consider all chemical in the technology labs to be dangerous.
13. Handle all equipment with care and respect.
14. Always carry hobby blades with the sharp edge pointing down.
15. Dress properly—long hair must be tied back, no dangling jewelry, and no loose or baggy clothing. Wear aprons when instructed.
16. Be sure all safety guards are properly present and operational before operating power tools.
17. Always wear proper eye protection when operating power tools.
18. Learn where the safety equipment is located and how to use it. Know where the exits are located and what to do in case of an emergency or fire drill.

## AGREEMENT

I, \_\_\_\_\_, have read and understand each of the safety rules set forth in this contract. I agree to follow them to ensure not only my own safety but also the safety of others in the technology labs. I also agree to follow the general rules of appropriate behavior for a classroom at all times to avoid accidents and to provide a safe learning environment for everyone. I understand that if I do not follow all the rules and safety precautions, I will not be allowed to participate in technology activities.

\_\_\_\_\_  
*Student Signature*

\_\_\_\_\_  
*Date*

Dear Parent or Guardian:

We feel that you should be informed of the school's effort to create and maintain a safe Engineering classroom/laboratory environment. Please read the list of safety rules. No student will be permitted to perform engineering activities unless this contract is signed by both the student and parent/guardian and is on file with the teacher. Your signature on this contract indicates that you have read this engineering Student Safety Contract, reviewed it with your child, and are aware of the measures taken to ensure the safety of your son/daughter in the science classroom.

\_\_\_\_\_  
*Parent/Guardian Signature*

\_\_\_\_\_  
*Date*

### Important Questions:

Does your child wear contact lenses?      Yes   or   No

Is your child color blind?      Yes   or   No

Does your child have any allergies?      Yes   or   No

If so, please list:

Elizabeth Middle School  
Student Supply list  
STEAM Department

1. Pencils
2. Pens ( Black or Blue)
3. Ruler 12"/ 30 cm ( Imperial and Metric)
4. Grid notebook
5. Standard 8 ½ " X 11" notebook paper
6. 1 ½" 3 Ring Binder
7. 8 ½" X 11" Clear plastic sheet protectors for 3 Ring Binder

# 6<sup>th</sup> Grade Engineering

Name \_\_\_\_\_

Period \_\_\_\_\_

## Objective:

Students will explore the areas of transportation, energy, production, , and integrated technology systems and processes that affect their lives. The study of creativity and design processes will enable students to better understand technological systems and their application and use.

## Class Requirements:

1. Respect for your learning, for others learning, classroom, & equipment.
2. Students are not allowed to use their cell phones during class time for any reason. Cell phones will be confiscated and handed over to an administrator at my earliest convenience.
3. Students are allowed to use the lab computers and their district assigned Chromebook for class activities.
4. Students are not allowed to eat or drink in the lab. Water is allowed away from computers, and power tools.

## Grading:

1. Ten point grading scale ( 100-90 A, 89-80 B, 79-70 C, 69-60 D, 59 & Below F).
2. Project work points (10 pts/day).
3. Projects and class work (100 pts per project)
4. Final project based on a real world situation.
5. On time/task, and prepared for class (-5 Tardy and -5 Off Task / Unprepared).
6. Late work: 1-5 Days late -25% / 6 or more days No Credit.

\*\*Class Assignments are located on the EMS webpage→classrooms→Taylor

## Class Policies:

Please review the student handbook for the policy concerning but not limited to:

1. Food and drink.
2. Absences, Tardiness, unexcused absences, and student discipline.
3. District Internet usage agreement.

\_\_\_\_\_  
Printed Student Name

\_\_\_\_\_  
Printed Parent/Guardian Name

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Parent/Guardian Signature

**\*\* Please return to Mr. Taylor by the 2<sup>nd</sup> week of class\*\***

If you have any questions or concerns, please feel free to contact me.

Email: [jtaylor@esdk12.org](mailto:jtaylor@esdk12.org) or Office Phone: 303 646-1620

Emails are preferred as I will be able to respond to you more quickly.

# 7<sup>th</sup> & 8<sup>th</sup> Grade Engineering

Name \_\_\_\_\_

Period \_\_\_\_\_

## Objective:

Students will explore the areas of transportation, energy, production, , and integrated technology systems and processes that affect their lives. The study of creativity and design processes will enable students to better understand technological systems and their application and use.

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Printed Student Name

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# Woodworking

Name \_\_\_\_\_

Period \_\_\_\_\_

## Objective:

Students will learn the process and production that takes place from raw materials to finished product. Develop skills in working with a wide variety of power tools to construct useable products out of wood.

## Class Requirements:

- 1 Respect for your learning, for others learning, classroom, & equipment.
- 2 Students are not allowed to use their cell phones during class time for any reason. Cell phones will be confiscated and handed over to an administrator at my earliest convenience.
- 3 Students are allowed to use the lab computers and their district assigned Chromebook for class activities.
- 4 Students are not allowed to eat or drink in the lab. Water is allowed away from computers, and power tools.

## Grading:

- 1 Ten point grading scale ( 100-90 A, 89-80 B, 79-70 C, 69-60 D, 59 & Below F).
- 2 Project work points (10 pts/day).
- 3 Projects and class work (100 pts per project)
- 4 Final project.
- 5 On time/task, and prepared for class (-5 Tardy and -5 Off Task / Unprepared).
- 6 Late work: 1-5 Days late -25% / 6 or more days No Credit.

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\_\_\_\_\_  
Printed Student Name

\_\_\_\_\_  
Printed Parent/Guardian Name

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Parent/Guardian Signature

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