

## 7<sup>th</sup> Grade Transportation

Instructor:

Mr. Wusk

### EXPECTATIONS:

1. Be on time and in class everyday
2. Participate in the designated daily activity displaying a productive effort.
3. Remain in the assigned area until the teacher dismisses the class.
4. Be responsible for any of their equipment used in the lab area.
5. Make up all work missed due to an excused absence.
6. Have respect for others working in the lab.
7. Be polite to others working in the lab.
8. Have self-control when working in the lab.
9. Be reliable in their work.
10. Notify teacher immediately in case of an accident, no matter how trivial it may appear.
11. Know the locations of the fire extinguisher and first aid kit.
12. Notify the instructor immediately if a tool is not working properly.
13. Most of all have FUN!

### CLASS PROCEDURES:

1. Students will come and sit down when bell rings. They will answer the daily question. They will then be instructed what to do by the instructor.
2. Notes will be taken on all discussions, guest speakers
3. All lab work and written assignments must be completed by due date.
4. Students will use correct terminology when talking about all machines, tools, and materials used in the shop.
5. Passes will be given to students if the instructor feels necessary. Students will make sure they bring all their materials with them to class and will have gone to the bathroom.

### GRADING POLICY:

1. Summative 80%  
Projects- mouse trap car, glider, hovercraft  
Test- Transportation, Aviation, hovercraft
2. Formative 20%  
Worksheets (energy)  
Daily questions

**For a student to be granted a retake, teacher approved remediation must have taken place. We may do the remediation during class study time, or lab. It is the student's responsibility to make arrangements for the retake.**

## CLASSROOM RULES:

1. Wear proper eye protection at all times during laboratory activity.
2. Tuck in any loose clothing. Take off rings, watches and any jewelry that might get caught in the equipment.
3. Do not eat, or drink, in the lab.
4. No horse play in the lab.
5. Do not talk when the teacher is talking.
6. Footwear that completely covers the foot is highly recommended.
7. Do not talk to anyone while using the machines in the lab.
8. Do not use any equipment if the instructor is out of the room.
9. Use the equipment that the machine was intended to be used for.
10. Use only the equipment that has been covered by the safety rules. Do not use any machines that have not been covered by safety rules.
11. Do not leave running power equipment unattended.
12. Do not throw or drop tools or materials.
13. Use appropriate language put your filter in
14. Always use your head, this is the best way to avoid accidents.
15. Always clean up the lab before you leave.
16. Always follow the safety rules that have been discussed in class.
17. Failure to follow the rules in class could result in being dismissed from class.

## OBJECTIVES/GOALS FOR INDUSTRIAL TECHNOLOGY CLASSES

1. Develop good safe work habits.
2. Follow the safety rules in class.
3. To experience Technology in various forms and techniques.
4. Learn the fundamentals of flight
5. Learn the 5 basic modes of transportation
6. Types of energy
7. Build and run a Mouse trap car
8. Build and fly a model glider

### Essential Terms

1. Transportation
2. Vehicle
3. Logistics
4. Energy
5. Power
6. Bernoulli Principle
7. Center of gravity
8. Trimming
9. Stability
10. Friction
11. Leverage
12. Yaw
13. Pitch
14. Roll

Autograph\_\_\_\_\_

Information Box

Students Name\_\_\_\_\_

Parent's Name\_\_\_\_\_

Interests -