

Team 4909 Week 4 Safety Quiz

Name: _____

1. Who is allowed to operate the CNC equipment (Tormach Mill, Tormach Lathe, Velox Router, etc)?
 - a. Anyone only when an adult mentor is present in the robotics shop
 - b. Only adults have the software to run it
 - c. Only Senior privilege
 - d. Underclassmen only

2. When operating the mill, what should you do to stay safe?
 - a. Make sure that the machine is fully stopped before taking any measurements
 - b. Make sure the piece is secured using the vise
 - c. Tie up long hair
 - d. All of the above

3. What does the black and yellow tape on the floor of the shop mean?
 - a. The zones that you have to wear safety glasses
 - b. The zones that you are not allowed to talk while machines are running
 - c. The zones only mentors can be in
 - d. The zones that you need to stay away from in case of a fire
 - e. The zones where you can not listen to music

4. Circle all the safety equipment that is available in the robotics shop.
 - a. Hard Hat
 - b. Safety Glasses
 - c. Safety gloves
 - d. Hair Ties (for long hair)

5. What is a band saw used for?
 - a. To make circles and angles in either wood or aluminum
 - b. Approximate cuts of metals and woods

6. When using the mills, what dangers should you be aware of?
 - a. Pieces of hot metal coming off of the piece
 - b. If the bit will cut into the vice

7. When operating a bandsaw, what should you do to stay safe?
 - a. Wear safety glasses
 - b. Make sure your hands are away (not in line with) from the blade
 - c. Adjust the upper blade guide (the one above the table) to about 1/4" above the stock before turning on the saw.
 - d. All of the above

8. When using the Chop Saw, what should you do to operate it safely?
 - a. Allow the blade to reach full speed before attempting to cut
 - b. Keep hands outside of the yellow area of the saw for safety
 - c. Be sure all scraps have been removed from around the blade before using saw
 - d. Always place material against fence, never attempt to cut anything without material firmly held in place.
 - e. All of the above

9. If a machine breaks down or does something unexpected what should you do? (Circle all that apply)
 - a. Tell a mentor
 - b. Attempt to fix the machine
 - c. Turn the machine off
 - d. Leave the machine and don't tell anyone

Answer Key

1. A
2. A
3. A
4. B, C, D
5. A & B
6. A & B
7. D
8. E
9. A & C