

Lesson #2: Table Saw Safety Exam

Objectives

Students will be able to...

- Identify each of the major components of the Table Saw, and their purpose.
- Describe the uses of the Table Saw.
- Demonstrate the safe operation of the Table Saw.

Common Core Standards

RSIT 11-12.2
RLST 11-12.2
Problem Solving – 5.1 & 5.4
Health and Safety – 6.1, 6.2, 6.3 & 6.10
Cabinetmaking and Wood Products Pathway A4.1, 4.3, A4.4 & A6.1
Responsibility and Flexibility – 7.4
Technical Knowledge and Skills 10.1, 10.2
Demonstration and Application 11.1
Residential and Commercial Construction Pathway D2.1

Materials

Table Saw Safety Exam

Lesson Sequence

- Have students grab some safety glasses and enter the shop for a safety and operations demonstration on the table saw. (15 minutes)
- Return to classroom and hand out *Table Saw Safety Exam*. No one starts a project until all the required safety tests are passed. Collect the tests when the students are done and re-distribute them to their classmates for grading. Have the students write “corrected by” and print their name somewhere on the front side of the test and circle it. Read and discuss each question with the correct answer. Take this opportunity to again reinforce/solidify operational safety in the student’s minds. When finished, have

the students write the number correct out of 14 on the front of the sheet and turn them in.

- Return tests that have any incorrect answers to their original owners. Have these students 'correct' each wrong answer by writing out the question (with the correct answer) on the back of the test 2 times. Students will retake the test tomorrow.

Assessment

When students pass the table saw exam, they are able to then use the table saw in the shop.

Accommodations/Modifications

One on One Support
Check for Understanding
Extra Time
Test Read Aloud

Table Saw Safety Test

Directions: Fill in the blank spaces with the words from the word bank.

1. You should not work on a _____ floor.
2. The _____ should be in place when ripping material.
3. The saw blade must be placed on the arbor with the teeth pointing _____ the direction from which the wood is to be fed.
4. You should not remove any _____ without the Instructor's permission.
5. You should not extend the saw blade as far as possible through the stock, it should be _____ above the material being cut.
6. You should never saw _____ or _____ stock.
7. You should never do _____ sawing.
8. You should always use a _____ when ripping narrow stock.
9. You should not use this machine before the instructor has _____ its safe use.
10. It is unsafe to stand directly _____ with the saw blade.
11. You should not _____ to the operator while sawing.
12. When using the rip-fence, make sure that it is _____ in place before you begin the cut.
13. When ripping, the material being cut must be held _____ against the table surface as well as the fence. Otherwise, the operator may experience a kickback.
14. In order to protect your eyes, _____ should always be worn.

1/4"
Free hand
Crosscut
Splitter guard
In line
Twisted
Push stick
Messy
Combination
Locked
Demonstrated
Talk
Warped
Guards
Firmly
Miter
Safety glasses
Toward

Table Saw Safety Test - ANSWER KEY

1. You should not work on a **messy** floor.
2. The **splitter guard** should be in place when ripping material.
3. The saw blade must be placed on the arbor with the teeth pointing **toward** the direction from which the wood is to be fed.
4. You should not remove any **guards** without the Instructor's permission.
5. You should not extend the saw blade as far as possible through the stock, it should be **1/4"** above the material being cut.
6. You should never saw **twisted** or **warped** stock.
7. You should never do **free hand** sawing.
8. You should always use a **push stick** when ripping narrow stock.
9. You should not use this machine before the instructor has **demonstrated** its safe use.
10. It is unsafe to stand directly **in line** with the saw blade.
11. You should not **talk** to the operator while sawing.
12. When using the rip-fence, make sure that it is **locked** in place before you begin the cut.
13. When ripping, the material being cut must be held **firmly** against the table surface as well as the fence. Otherwise, the operator may experience a kickback.
14. In order to protect your eyes, **safety glasses** should always be worn.

1/4"
Free hand
Crosscut
Splitter guard
In line
Twisted
Push stick
Messy
Combination
Locked
Demonstrated
Talk
Warped
Guards
Firmly
Miter
Safety glasses
Toward