

Lesson #7: Air Compressor Video and Safety Exam

Objectives

Students will be able to...

- Display their knowledge of air compressor identification and safety.

Common Core Standards

LS 11-12.6
RSIT 11-12.2
RLST 11-12.2
Health and Safety 6.0, 6.1, 6.2, 6.3, 6.4, 6.5, 6.6
Responsibility and Flexibility 7.7
Technical Knowledge and Skills 10.0, 10.2
Demonstration and Application 11.1
Cabinetmaking and Wood Products Pathway A 4.1
Residential and Commercial Construction Pathway D2.1, D3.1

Materials

YouTube video <https://www.youtube.com/watch?v=tpe4prO1B7U>
Air Compressor Safety Exam

Lesson Sequence

- Watch the *YouTube video* <https://www.youtube.com/watch?v=tpe4prO1B7U> answer any question students may have. (25 minutes)
- Have students take the *Air Compressor Safety Exam*. Students must pass this exam in order to be able to use an air compressor in the shop. (25 minutes)

Assessment

Use air compressor exam results as assessment data. Students must retake if they did not pass this exam the first time. Students must pass this exam in order to use an air compressor in the shop.

Accommodations/Modifications

Test questions may be read aloud
One on one support
Extra time if needed

Air Compressor Safety Exam

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

1. Before starting the air compressor, you should always do a _____ check.

2. It helps to start the compressor with the _____ open, to help flush out the tank.

3. Let the _____ wait so you can do a safety check.

4. Students are not allowed to use the compressor if a _____ teacher says it is OK.

5. Never use _____ to repair an air hose

6. You always attach a _____ to the hose and the compressors instead of a direct connect.

7. Keep a copy of the _____ close to the work area in case there is a problem.

8. Never use a _____ to store gas for the compressor.

9. Turn off the compressor and _____ the tool if you are going for a break.

10. Notify the _____ immediately if someone is using the air compressor or air tools improperly.

| |
|------------------|
| Instructor |
| Duct tape |
| Glass container |
| Student |
| Pre-start |
| Operator manual |
| Disconnect |
| Substitute |
| Tank valve |
| Toolbox |
| Work |
| Quick disconnect |

Air Compressor Safety Exam – Answer Key

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

1. Before starting the air compressor, you should always do a **pre-start** check.
2. It helps to start the compressor with the **tank valve** open, to help flush out the tank.
3. Let the **work wait** so you can do a safety check.
4. Students are not allowed to use the compressor if a **substitute** teacher says it is OK.
5. Never use **duct tape** to repair an air hose.
6. You should always attach a **quick disconnect** to the hose and the compressor instead of a direct connect.
7. Keep a copy of the **operator manual** close to the work area in case there is a problem.
8. Never use a **glass container** to store gas for the compressor.
9. Turn off the compressor and **disconnect** the tool if you are going for a break.
10. Notify the **instructor** immediately if someone is using the air compressor or air tools improperly.