

Lesson #8: Disc Sander Video and Safety Test

Objectives

Students will be able to...

- Identify the Disc Sander's major components and safety operation.

Common Core Standards

LS 11-12.6

RSIT 11-12.2

RLST 11-12.2

Health and Safety 6.0, 6.2, 6.3, 6.5, 6.6

Technical Knowledge and Skills 10.0, 10.1, 10.2

Demonstration and Application 11.1

Cabinetmaking and Wood Products Pathway A4.1, 4.3, & A4.4

Residential and Commercial Construction Pathway D2.1, D3.1, D3.2, D3.3

Materials

YouTube Video <https://www.youtube.com/watch?v=a9nkfAoDYtI>

Disc Sander Safety Test

Lesson Sequence

- Watch the *YouTube Video* <https://www.youtube.com/watch?v=a9nkfAoDYtI> answer any questions students may have (15 minutes).
- Review any questions students have for the drill press safety test (5 minutes).
- Pass out *Disc Sander Safety test*. Students must pass this test before being able to participate in a project in the job. (20-25 minutes)

Assessment

Students must pass the portable drill safety test prior to being able to participate in a project in the shop.

Accommodations/Modifications

Test May Be Read Aloud
One on One Support
Extra Time If Needed

Disc Sander Safety Test

1. The front edge of the table is within _____ inch or less of the disc.
2. Keep the _____ in place at all times.
3. Sanding should be done on the side of the disc that is moving _____ toward the table.
4. Do not leave the _____ area until the motor has completely stopped.
5. When using the disc sander, you should:
 - A. hold down the work firmly.
 - B. sand on the downward side of the disc.
 - C. avoid awkward hand positions.
 - D. All the above
6. When using the sander, you should always:
 - A. sand small pieces.
 - B. leave the machine on for the next person.
 - C. use the upward side of the sanding disc
 - D. avoid awkward hand positions and hold down
7. The disc sander is designed for sanding _____ and end grain of stock.
8. Continuous sanding in one location on the disc could cause the disc to _____.
9. Never leave the work area after sanding until:
 - A. the machine has come to a complete stop.
 - B. the sander and work area are clean.
 - C. neither of these things should be done when you leave the area.
 - D. both A and B are correct.
10. Work should always be supported on the backstop or table except when:
 - A. you are sanding very small pieces.
 - B. you are sanding curved pieces on the outer drum.
 - C. you are sanding large pieces.
 - D. you are always to use the backstop or table.

Disc Sander Safety Test – Answer Key

1. The front edge of the table is within _____ **1/8** _____ inch or less of the disc.
2. Keep the _____ **disc guard** _____ in place at all times.
3. Sanding should be done on the side of the disc that is moving _____ **downward** _____ toward the table.
4. Do not leave the _____ **safety zone** _____ area until the motor has completely stopped
5. When using the disc sander, you should:
 - A. hold down the work firmly.
 - B. sand on the downward side of the disc.**
 - C. avoid awkward hand positions.
 - D. All the above.
6. When using the sander, you should always:
 - A. sand small pieces.**
 - B. leave the machine on for the next person.
 - C. use the upward side of the sanding disc.
 - D. avoid awkward hand positions and hold down work firmly.
7. The disc sander is designed for sanding _____ **edge** _____ and end grain of stock.
8. Continuous sanding in one location on the disc could cause the disc to _____ **overheat** _____.
9. Never leave the work area after sanding until:
 - A. the machine has come to a complete stop.
 - B. the sander and work area are clean.
 - C. neither of these things should be done when you leave the area.
 - D. both A and B**
10. Work should always be supported on the backstop or table except when:
 - A. you are sanding very small pieces.
 - B. you are sanding curved pieces on the outer drum.
 - C. you are sanding large pieces.
 - D. you are always to use the backstop**