**Industrial Arts Safety Test (Key)**

You must get at least 75% on this test to be allowed to work in the shop. Test is out of 65 so you need 49 correct.

Section A – Fill in the blank with the word you feel best suits the sentence from the bank of words below.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| across | down | helpful | people | side | tool |
| approval | down | hole | pocket | small | turned off |
| ask | dry | ill | point | speed | up |
| attitude | equipment | injuries | properly sealed | speed | with the |
| awkward | excluded | litter | pull | teacher | withdraw |
| blades | experienced | malfunctioning | remove | teeth | yourself |
| confidence | firmly | one | rush | thickness |  |
| corners | flammable | operator | safety glasses | thoughtful |  |
| defects | free hand | organized | securely | tied back |  |
| distracted | help | others | sharp | tired |  |

1. It is important to study safety so that you do not injure ­­­­ yourself or others
2. Always have a good attitude towards safety.
3. Most accidents in the shop happen to experienced woodworkers.
4. Never be afraid to ask for help
5. Never use a machine on your own until you have approval to do so.
6. Failure to follow safety procedures and guidelines may result in damage to equipment or

 people

1. Students who do not follow safety guidelines may be excluded from working in the IA lab.
2. Keep your tools and materials carefully organized
3. Do not put tools in your pocket
4. As you work with the tools you will gain confidence
5. Be helpful and thoughtful to others.
6. Before plugging in tools make sure they are turned off.
7. Always wear safety glasses when working with tools.
8. Many finishers and thinners are highly flammable
9. Keep the floor clear of scrap wood and litter
10. Long hair should be tied back in the shop.
11. Report all injuries to the teacher.
12. Get help with heavy and awkward things when you are carrying them.
13. Never remove a safety guard.
14. Do not use tools in the shop unless the teacher is there.
15. Use the correct tool for the job.
16. Keep a safe distance away from blades
17. Check for defects in wood before cutting.
18. Do not rush your work.
19. Never work in the shop if you are overly tired or ill
20. Do not be distracted while you are working.
21. If your machine appears to be malfunctioning stop and get the teacher.
22. Feed the band saw only as fast as the teeth can cut.
23. Avoid cutting tight corners with the bandsaw.
24. Use the correct speed when drilling.
25. When drilling deep holes be sure to withdraw the bit frequently.
26. Store all chemicals and soiled rags in a properly sealed container.
27. Make a hole before making an internal cut with a jigsaw.
28. The teeth on a jigsaw should point up
29. On a jointer always feed with the grain.
30. Make sure jointer blades are sharp
31. Make sure glue is completely ­ dry before turning it on the lathe.
32. Fasten stock securely before turning on the lathe.
33. Never plane across the grain.
34. Do not feed wood of different thickness through the planer at the same time.
35. When cutting with a circular saw stand to the side
36. Hold a drill firmly while using it.
37. Never sand pieces of wood that are small
38. Make sure a mitre saw reaches full speed before cutting.
39. Cut only one piece of wood at a time on a mitre saw.
40. Never cut free hand on a table saw.
41. The operator controls the speed of a cut on a table saw.
42. Never point an air nailer at something you don’t want to nail.
43. Never pull the compressor by the hose.
44. When in doubt, ask

Section B – Tool Identification

Label each tool

|  |  |  |
| --- | --- | --- |
| Air Nailer | Hand Drill | Planer |
| Bandsaw | Jigsaw | Router Table |
| Circular Saw | Jointer | Sander |
| Drill Press | Lathe | Scroll Saw |
| Grinder | Mitre Saw | Table Saw |

|  |  |
| --- | --- |
| http://www.woodshopnews.com/images/stories/monthly/12_10/new_products/23_products_02.jpg | Bandsaw |
| http://www.general.ca/images/machines/1_general/75_drill/75-030.png | Drill Press |
| http://www.tooltraderdirect.co.uk/image/cache/data/products/dewalt/DCS331N-600x600.jpg | Jigsaw |
| http://www.woodcraft.com/Images/products/600/849439.jpg | Jointer |
| http://www.tegstools.com/assets/images/gi/25-114qc.jpg | Lathe |
| http://www.general.ca/images/machines/1_general/30_planer/30-360.png | Planer |
| http://www.northerntool.com/images/product/2000x2000/399/399668_2000x2000.jpg | Circular Saw |
| http://www.blackanddecker.com/ProductImages/PC_Graphics/PHOTOS/DEWALT/TOOLS/LARGE/9/DCD980L2_1.jpg | Drill |
| http://hi.atgimg.com/img/p400/6939/000346353549.jpg | Router |
| http://ecx.images-amazon.com/images/I/615yDwtcwiL._SL1500_.jpg | Sander |
| http://www.machinemart.co.uk/images/library/product/huge/06/060112400.jpg | Scroll Saw |
| http://www.toolstop.co.uk/components/com_virtuemart/shop_image/product/e18508b66e49cc3c1876566634955d8a.jpg | Mitre Saw |
| http://files.solidworks.com/InternalMarketing/PressRoom/Consumer/sawstop.jpg | Table Saw |
| http://ecx.images-amazon.com/images/I/812NFM6D5lL.jpg | Grinder |
| http://g-ecx.images-amazon.com/images/G/01/th/aplus/dewalt/dewalt-D55141FNBN-4.jpg | Air Nailer |