

The Band Saw



The band saw is only to be used by students in year 11 and 12 who have been given the express permission by their teacher .

Year 10 students are only permitted to use the band saw under specific circumstances.

This is a high danger piece of equipment.

- **When cutting curves, do not excessively bend/ twist the saw.**
- **Take multiple cuts to reduce the need for twisting or bending the saw.**
- **Feed material in slowly.**
- **Hold material with your hands on either side of the blade - well clear of the blade when feeding in material**
- **Always use a push stick in operations where safe hand clearance is not possible.**
- **Always wear eye shields or goggles when making cutting operations.**

Question 1.

I have read and understood the DO'S AND DON'TS on the safe use of the Band Saw. In addition proper Band Saw use has been clearly demonstrated and explicitly explained to me by my teacher.

| |
|----------|
| CONTRACT |
| _____ |
| _____ |
| _____ |
| _____ |
| _____ |
| _____ |

 True

False

Question 2.

If I do not understand or have not been given instructions on how to use a machine or tool I must immediately ask the teacher for help.

True

False

Question 3.

Year 9 students are allowed to operate the band saw.

True

False

Question 4.

Year 10 students may be able to use the Band Saw under certain circumstances but must be explicitly permitted by the teacher.

True

False

Question 5.

Only Year 11 -12 students are allowed to operate the band saw if given permission by their teacher.

True

False

Question 6.

Choose the correct Personal Protective Equipment that should always be worn when using the Band Saw.

- Protective eye shields
- Apron
- Nothing. It will be ok.
- Fully Enclosed Leather Shoes

Question 7.

Identify the following 3 parts of the bandsaw

1. The Guard
2. The Blade
3. The Band Saw table



Question 8.

When cutting stock, the material should be placed flat on the Band Saw table.

- True
- False

Question 10.

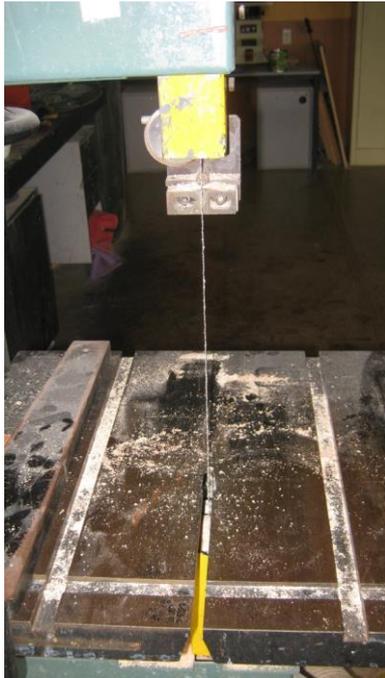
Drag the words and drop them to the appropriate places



Do not work with clutter on your bandsaw table. A safe bandsaw is a _____ bandsaw. Mess as shown in the picture is a _____. When you have finished, sweep down the bandsaw table for the next _____

Question 11.

A band saw set up like this should never be used. Click on the area which is a safety hazard.



Question 12.

Choose one correct answer in each drop-down list



A band saw which is set up in this way is not _____(safe/comfortable). The guard is too _____(high/low) and exposes the user to a _____(cut/burn) injury. If you see a band saw like this, inform your _____(teacher/mother) immediately.

Question 13.

How high should the guard be above the piece of timber being cut?



- The guard height should be as low as practicable above the piece of timber being cut.
- The guard should be high enough for you to see the blade flex when cutting
- The height of the guard doesn't really matter so long as it is cutting well.
- The guard can be removed entirely

Question 14.

You are using the Band Saw to cut a piece of timber. It is making a high pitched squeeking noise. Arrange the order of operations in correct sequence.



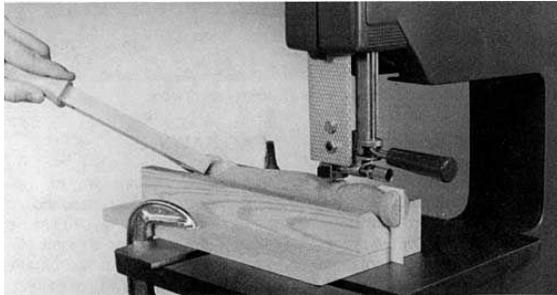
| # | Choice | Correct order |
|---|--|---------------|
| 1 | Press the emergency stop button | |
| 2 | Alert the teacher | |
| 3 | Wait for the band saw to stop operating. | |

Question 15.

Whenever cutting round stock on a band saw , you must always use proper support to prevent the round stock from spinning.

In the picture below:

1. Click on the SUPPORT.
2. Click on the PUSH STICK.



Question 16.

The likely result of cutting round stock in the band saw will be:



- The stock will spin, dragging your hand or fingers into the blade.
- It will cut the round stock cleanly.
- Nothing...It will not cut.
- The blade will break.

Question 17.

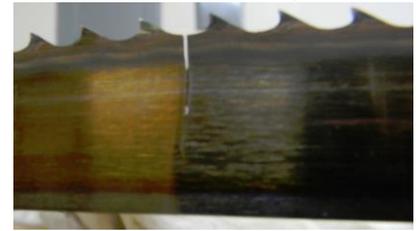
You should never attempt to cut round stock on the Band Saw.



- True
- False

Question 18.

If the timber is twisted too hard when cutting on the Band Saw, the saw blade can break, possibly causing injury.



- True
- False

Question 19.

When using the Band Saw to cut a sharp curve the technique used is:



- Turn the timber and and force the timber to cut along the curve.
- Feed the timber into the blade slowly and carefully. Make additional relief cuts if necessary to make the curve.
- Feed the timber into the blade as quickly as possible to ensure a smooth cut.

Question 20.

This user is cutting small stock. Click to identify the push stick he is using to protect his fingers.



Better safe than sorry.

Question 21.

When cutting timber on the band saw keep your hands on either side of the blade. Do not feed your hands directly into the blade.



True

False

Question 22.

Match the following items:



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| I want to make an adjustment to the Band Saw |
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|-----------------------------------|
| An operator is using the Band Saw |
|-----------------------------------|

| |
|--|
| I am cutting a tight curve which may snap the blade. |
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|---|
| Make several relief cuts first to reduce the need to twist the blade. |
|---|

| |
|--|
| Stop the Band Saw and wait until it comes to a complete stop |
|--|

| |
|---|
| Do not distract or talk to the operator |
|---|

Question 23.

When cutting small pieces of timber, always use a push stick to feed material into the blade.



True

False