

### Metal Work General Workshop Safety

#### Question 1.

Which sign indicates PROHIBITION (Banned)



#### Question 2.

Which sign indicates that something is MANDATORY (Compulsory)



#### Question 3.

What does the BLUE sign mean?



- ( ) That the wearing of boots is MANDATORY
- ( ) Boots are optional
- ( ) You only need to wear one boot.

**Question 4.**

What does the Yellow sign mean?



- The yellow sign indicates WARNING. In this case perhaps poison chemicals present.
- The pirate party is close.
- It is a death zone.

**Question 5.**

What does the Green Sign mean?



- Green stands for Health and Safety Information. In this case it indicates the location of a First Aid Kit.
- This is where a charity bin for second hand clothes is located.
- It means hospital.

**Question 6.**

Select the correct foot ware that is allowed in the workshop.



**Question 7.**

What was the person probably not wearing?



- Fully enclosed leather shoes
- Hard hat
- Eye Protection
- Hearing protection

**Question 8.**

I understand that the workshop is a dangerous place and that I will follow all workshop rules and to follow all instructions from my teacher. Not doing so could result in serious injury.

-  True

- False

**Question 9.**

Safety in the workshop is the sole responsibility of your teacher

- True
- False

**Question 10.**

Students are only responsible for their own safety in the workshop

- True
- False



### Hand Tool Selection Information Sheet

The first rule of safety is to match the tool for the person and the task. When the tool does not match the person or the task potential danger increases.

**The best hand tool to select is one that:**

- **Matches the task that the user is doing.**
- **Fits the workspace available.**
- **Fits the users hand.**
- **Can be used in a comfortable position.**
- **Is well maintained**

### Question 11.

Select the correct answer from the choices below

- Fit the tool to the person, not the person to the tool
- The size of the tool doesn't matter even if I can't hold it properly.
- If it's too big for the job modify the tool to fit the user

### Question 12.

Match the following situations with the correct action.

The hand tool is too big
I know I am using the wrong tool for the job.
I am thinking about modifying a tool to make it work better.

Never modify a tool.
Stop! Using incorrect tools for the job is dangerous.
Select a tool which fits comfortably in your hand

## Guards on Tools and Machinery

Guards are physical barriers that protect you from dangerous parts of machinery.

### Do's

- Inspect guards before using tools or machines to ensure they are present and secured properly.
- Report missing or damaged guards immediately to your teacher.

### Don'ts

- Never remove or modify a guard - even if you think it will make your job easier!



### Question 13.

It is fine to remove a guard on a machine.

True

False

### Question 14.

Each of the machines have an example of a MACHINE GUARD or GUARDS. Indicate where the guard is on each item.



### Question 15.

Drag the words and drop them to the appropriate places

(Type: Word Bank, Points: 1, Attempts: 3)

Never \_\_\_\_\_ a tool. This could result in the tool failing and causing \_\_\_\_\_. Modifying means \_\_\_\_\_ a tool such as \_\_\_\_\_ the length of its handles or \_\_\_\_\_ safety guards.

### Question 16.

Choose the correct action if you have an accident in the workshop.

- Report all injuries when they occur no matter how minor. Even if it doesn't seem serious it could get infected later.
- If there is no blood, there is no need to worry about it.
- Don't tell anyone. You will get in trouble for failing to follow workshop rules.
- If it was your own fault, there's nothing the teacher can do about it.

### Question 17.

The most common cause of eye injury is not wearing eye protection.



- True
- False

### Question 18.

Select the correct answer from the choices below

- I went to a rock concert last night. It was loud and my ears are ringing now, but obviously I'm alright because I can still hear.
- Wearing ear phones and listening to loud music does not harm my ears.
- Each time I hear ringing in my ears from loud noises, I have caused myself irreversible hearing damage. I am a little bit more deaf.

**Question 19.**

Choose whether the statement is true or false

Hearing damage/ loss can be reversed by avoiding further loud noises.



True

False

**Question 20.**

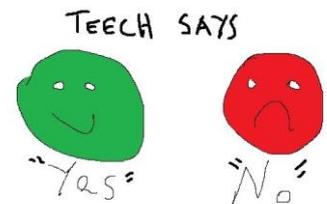
If there is something I do not understand, I must stop what I am doing and ask the teacher for instruction.

True

False

**Question 21.**

Students can only use tools and machines after demonstration and training from the teacher. The teacher must also give permission to use the tools in each lesson.



True

False

**Question 22.**

If there is something I do not understand, I must stop what I am doing and ask the teacher for instruction.

True

False

**Question 23.**

It is alright to lean against a machine while someone else is operating it.

- True
- False

**Question 24.**

How many people are allowed inside the yellow line that surrounds a machine?

- 1
- 4
- 3
- 2

**Question 25.**

How many people should be operating each machine?

- 1
- 3
- 4
- 2

**Question 26.**

Your workbench is covered with dust and other small materials such as rivets and metal shavings. The proper way to clean it is by:

- Use a bannister brush and brush it off into a dustpan
- Using your hand to carefully brush off the material
- Take a deep breath and blow the material off.
- Pick it off with your fingers



**Question 27.**

You need to move a very heavy anvil. You should...

(Choose 2 correct Answers)



- Ask for help when moving awkward or heavy objects. This will protect you and those around you from injury.
- Bend at the knees when lifting
- Move it yourself

**Question 28.**

You have just finished cutting off a piece of metal with a hacksaw. What should you do to the ends of the metal, including the piece you put back in the stock rack?



- Nothing, just stick it back in the rack.
- Use your thumb to remove any edges on the freshly cut stock.
- Deburr all sharp edges of freshly cut stock with a file to minimize personal injury.

**Question 29.**

Wiping up metal shavings with a cloth wiper or rag is ok.

- True
- False

**Question 30.**

Once you have diagnosed hearing damage the solution to your disability is:



- Surgery to correct the hearing loss
- Take care to preserve what hearing you have left
- Medicine such as ointment and drops to remove the buildup of wax
- Just carry on as before as hearing loss is permanent and irreversible anyway.

**Question 31.**

One of the first symptoms of permanent hearing damage is:



- Difficulty in hearing
- Country music sounds good
- Pain and aches in the ear
- Ringing in the ears

**Question 32.**

Most people lose hearing over a long period of time. This is because:

- The ears are self healing
- As we slowly lose hearing, we do not notice the noise increasing to damaging levels
- Most people wear earphones
- Human ears are very tough

**Question 33.**

Drag the words and drop them to the appropriate places

*(Type: Word Bank, Points: 10, Attempts: 2)*

It is \_\_\_\_\_ responsibility to behave properly and not endanger themselves or others. Any \_\_\_\_\_ need to be reported to the \_\_\_\_\_ immediately.

**Question 34.**

The definition of the word “hazard” is:

- Something that is safe
- Something that is dangerous to a person’s well being
- Something that is fun
- Something that is on fire

### Question 35.

Surprisingly we do not notice our hearing loss. This is because: (Choose 3 correct answers from the choices below.)

- We don't notice what we don't hear.
- People stop talking to us
- We unconsciously read peoples lips
- We just turn up the radio and tvs

### Question 36.

The most dangerous hazard in the workshop is:

- Open chemicals
- Irresponsible individuals.
- Machinery
- Trip hazards

### Question 37.

What would you do if you saw this? (picture of damaged equipment)



- Place the tool back in its correct location so nobody will use it.
- Use the tool because you just saw someone else use it.
- Immediately report it to the teacher
- Get a screwdriver and repair it

**Question 38.**

If you find a tool or piece of equipment that is damaged or blunt you must:



- Place the tool back in its correct location so nobody will use it.
- Use the tool because you just saw someone else use it.
- Get a screwdriver and repair it
- Immediately report it to the teacher

**Question 39.**

Choose one correct answer in each drop-down list



If you get something in your eye the best method of treatment is to \_\_\_\_\_ (flush/blow) or \_\_\_\_\_ (float/poke) the particles out with \_\_\_\_\_ (water/sand)

**Question 40.**

Damaged eyes are irreplaceable. Prevention is better than cure. What should you do to avoid eye damage?

- Use machinery with the window open
- Squint to reduce the possibility of eye damage
- Wear proper eye protection

**Question 41.**



The scientific measurement for noise is noise is \_\_\_\_\_ (Bass/Treble/Decibel (db)/Dolby)

**Question 42.**

Drag the words and drop them to the appropriate places

It is the \_\_\_\_\_ of everyone in the workshop to report \_\_\_\_\_ such as damaged \_\_\_\_\_, \_\_\_\_\_ cords or \_\_\_\_\_ tools.

- 

**Question 43.**

What does the acronym (letters) W.H.S stand for?

- Occupational Health and Safety
- Workplace Health and Safety
- Work Health and Play
- Water Heater Standing

**Question 44.**

Select 3 behaviours which are dangerous in the workshop



- Running
- Throwing tools and metal objects
- Pushing or Shoving students
- Walking at a normal pace

**Question 45.**

What is the most common type of eye injury in the workshop



- Scratches to the eye
- Dust irritation
- Blows to the eye
- Chemical irritation

### Question 46.

The best way to prevent slips and falls in the workshop is to:

- Report spills
- Keep the floor clear of slip hazards.
- All of the above
- Walk not run

### Question 47.

Working with greasy or oily hands is dangerous because:

- Tools may slip when you use them resulting in a cut or other serious injury
- It's ok, metalwork is a dirty, oily environment. It is not possible to avoid oily hands.
- Heavy items may slip from your grip causing foot injury.

### Question 48.

After using tools in greasy or oily environments you must:

(Choose 2 correct Answers)

- Wash your hands.
- Nothing, the metalwork shop is always oily.
- Carefully wipe down and clean tools before placing them back in the locker.



### Question 49.

Match the following items:

(Type: Matching, Points: 1, Attempts: 3)

Extra Materials
Scrap and Waste
Oil and Fluid Spills

Return all excess material to storage to prevent trip hazard
Clean fluid spills immediately. They are a slip hazard.
Place it in the bins provided so as not to create a tripping hazard.

### Question 50.

No student is allowed to work in the any shop without a teacher. If there is an accident, the teacher can call for help and come to your aid.



- True
- False

### Question 51.

Drag the words and drop them to the appropriate places

Keep \_\_\_\_\_ clear of off-cuts and \_\_\_\_\_. Immediately report or \_\_\_\_\_ up spills of \_\_\_\_\_ and oils.

Pay attention to your surroundings

### Question 52.

What does the acronym PPE stand for?



- People Protect Each other
- Personal Property Exists
- Personal Protective Equipment
- Professional People Eat

### Question 53.

Long hair is should be tied back by a hair net or hair band when you are near or operating machinery like drills and lathes.

- True
- False

**Question 54.**

The girl in the picture is wearing PPE (Personal Protective Equipment). Click on each piece of equipment that keeps her safe.



**Question 55.**

Select the 2 types of footwear allowed in the workshop

- Leather sneakers
- Canvas shoes with leather sides
- Sturdy, fully enclosed, leather school shoes
- Steel Cap Boots