

SAFETY BOOKLET TWO

This booklet will help introduce you to, Health and Safety in the workshop. It will help you gain an understanding of safety, related to some of the common equipment used in school workshops.

Your teacher will explain / demonstrate the use of equipment, tools and machinery in your workshop.

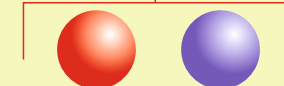
If you are in any doubt about the use of a machine or equipment, you must ask your teacher for help.

You must not use any machines or equipment, until your teacher is happy with your knowledge of safety and the operation of specific machines. Your teacher will tell you, when you are allowed to use machines.

SAFE USE OF GLUE GUNS

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Click on the *Link Buttons* for help in answering the questions .

Link Buttons



Describe what is represented by each of the images, which relate to the use of a glue gun

1



2



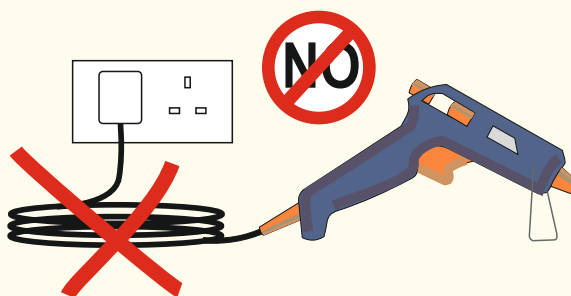
3



4



5



6



USING A CHISEL AND MALLET

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Link Buttons



Click on the *Link Buttons* for help in answering the questions on, 'the safe use of a chisel and mallet'.

Study the two diagrams that show a chisel and mallet being used. What is wrong with the 'chiselling technique' used in diagram 'A', compared to diagram 'B'?

DIAGRAM 'A'

1. The chisel and mallet are being used in an **UNSAFE** manner. Identify all the areas that show **DANGEROUS** use of these tools. One area has been identified for you.

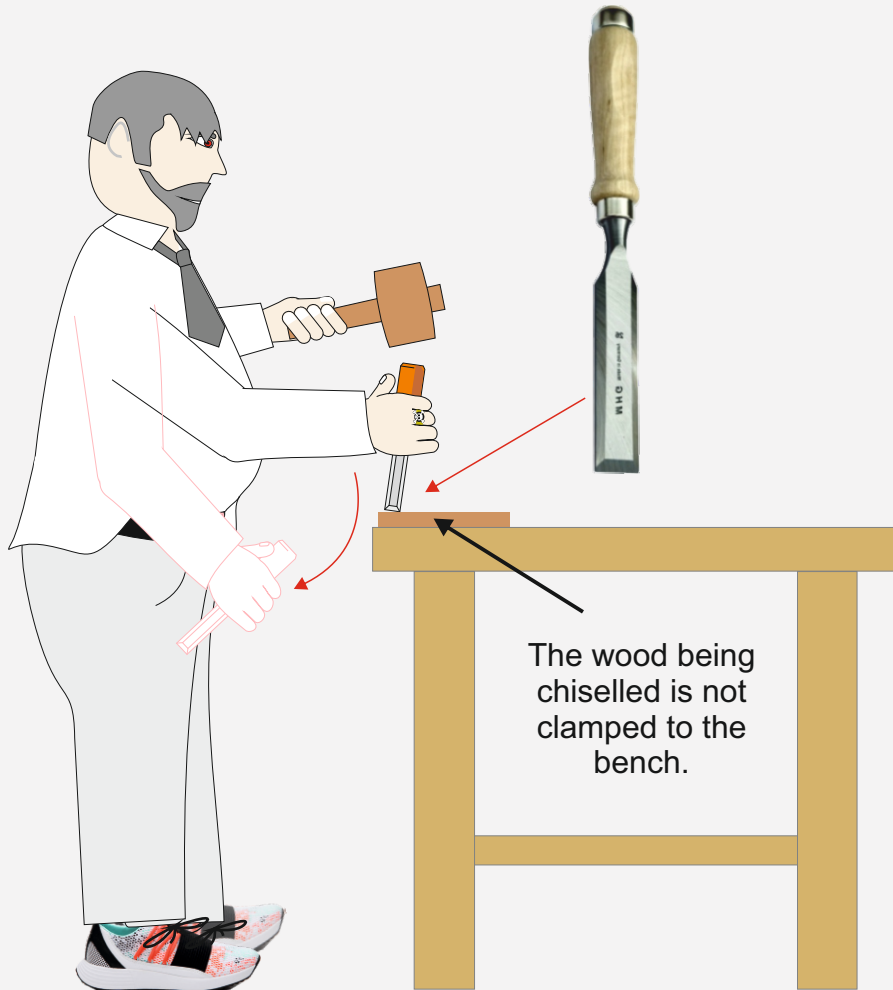
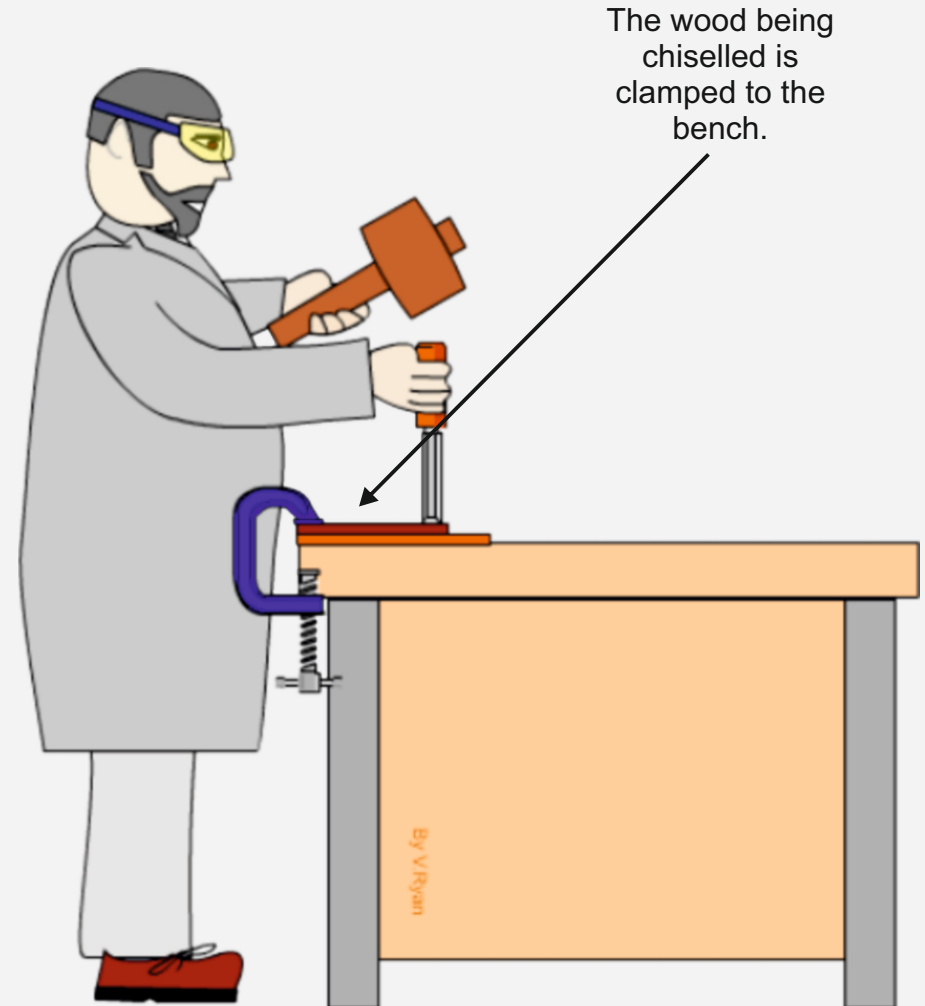


DIAGRAM 'B'

2. The chisel and mallet are being used in an **SAFE** manner. Identify all the areas that show safe use of these tools. One area has been identified for you.



SAFE USE OF HAMMERS

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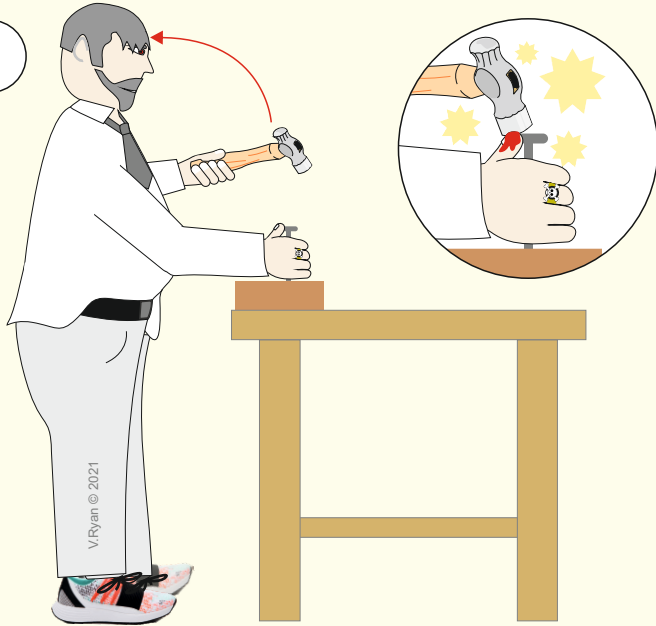
Link Buttons



Click on the *Link Buttons* for help in answering the questions on, 'the safe use of hammers'.

FOR EACH SITUATION SHOWN BELOW, EXPLAIN THE DANGERS OF USING A HAMMER IN AN UNSAFE MANNER. INCLUDE A DESCRIPTION OF HOW THE HAMMER SHOULD BE USED SAFELY. Question 4 has been completed for you, as an example.

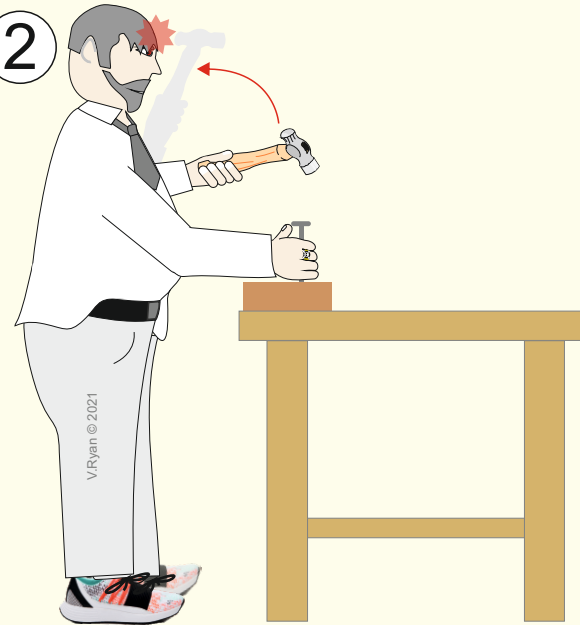
1



DANGER: _____

SAFETY: _____

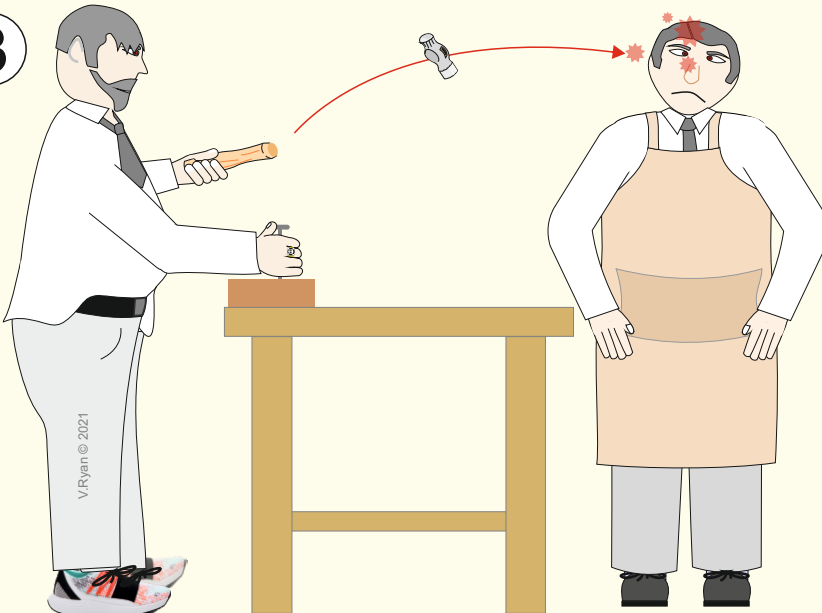
2



DANGER: _____

SAFETY: _____

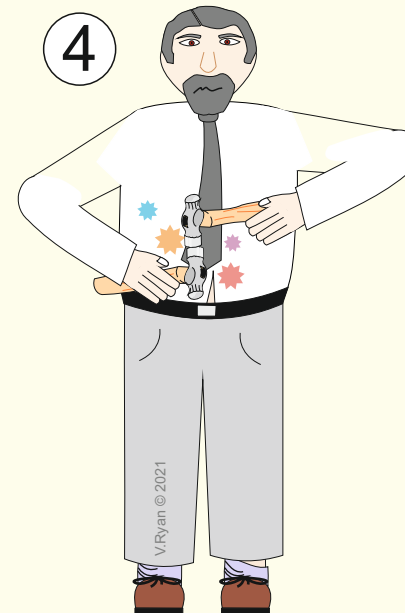
3



DANGER: _____

SAFETY: _____

4



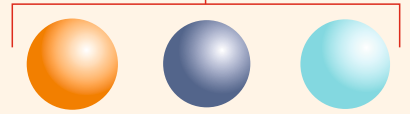
DANGER:
He is banging the hammers together. This is dangerous, because the hammer heads can shatter and break apart, throwing pieces of metal at high speed across the workshop.

SAFETY:
*Hammers should be placed in the storage cupboard when not in use.
Never tap / hit tools together!*

THE HAND DRILL

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LINK BUTTONS



Click on the *Link Button* for help in answering the questions on, 'the safe use of the hand drill'.

Study the two diagrams that show the hand drill being used. What is wrong with the way it is being used in diagram 'A', compared to diagram 'B'?

DIAGRAM 'A'

1. This hand drill is being used in an unsafe manner. Identify all the areas that show DANGEROUS use of this equipment. One area has been identified for you.

Hand drill is not held vertically. It could slip.

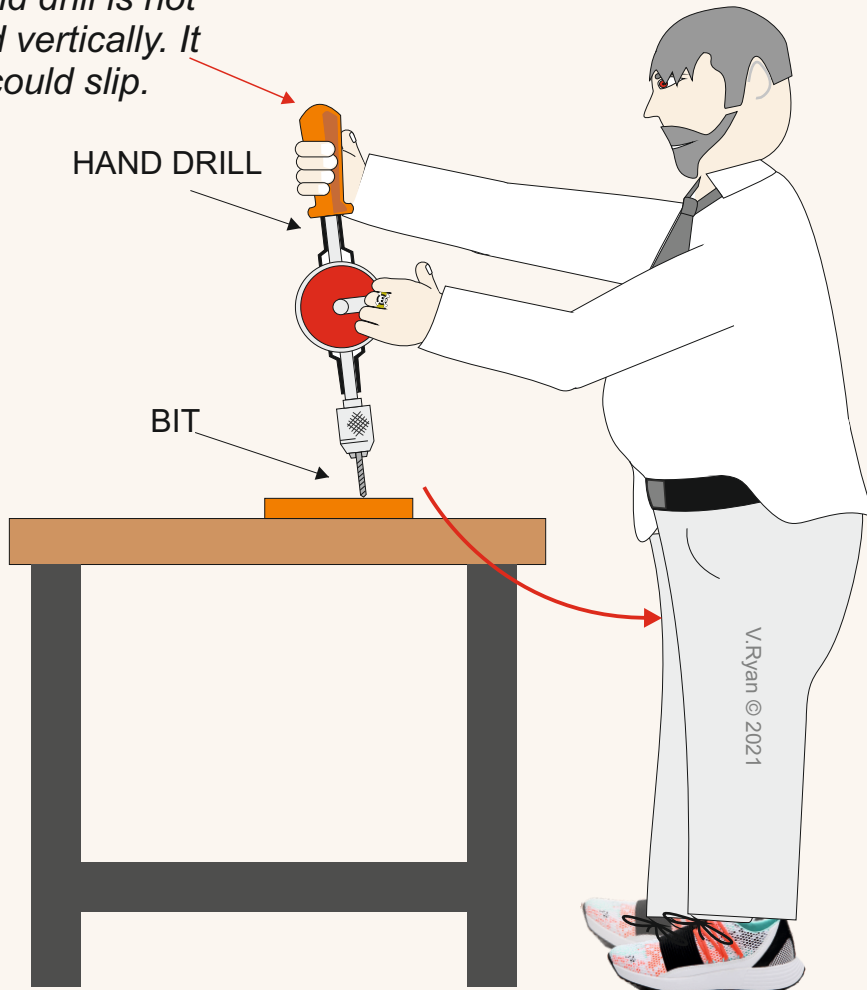
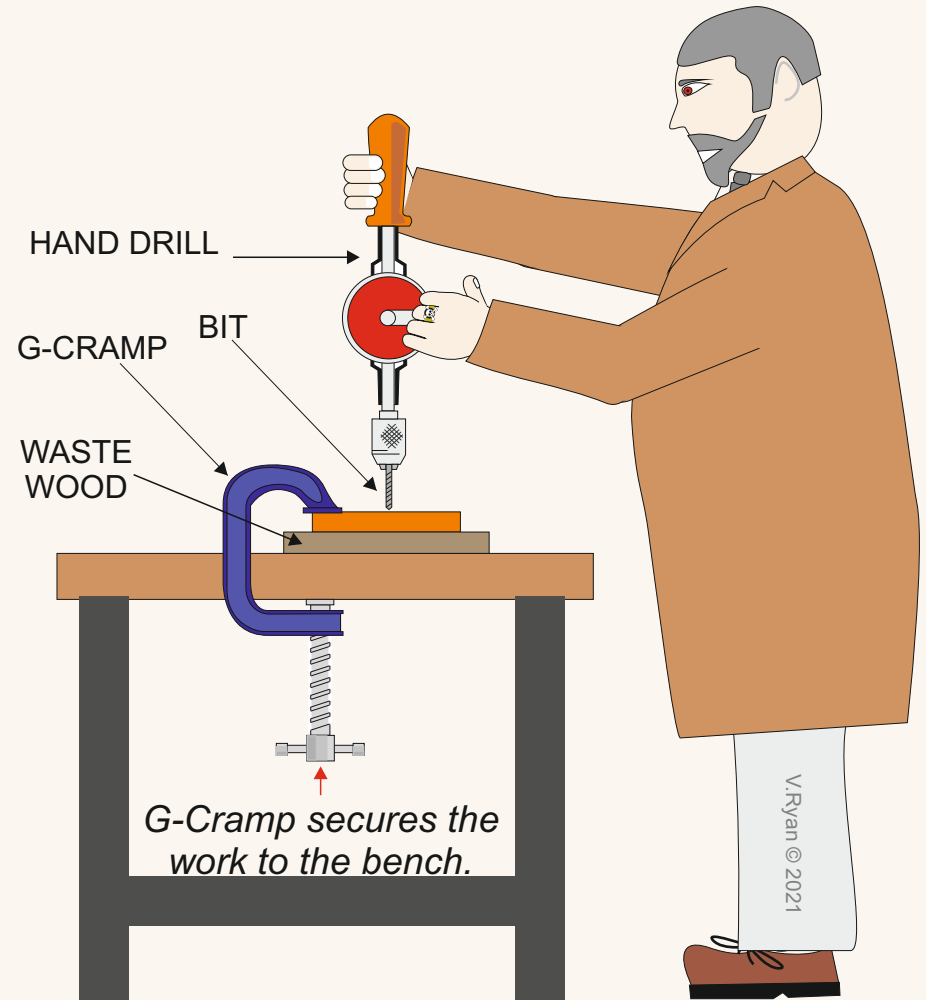


DIAGRAM 'B'

2. This hand drill is being used safely. Identify all the areas that show SAFE use of this equipment. One area has been identified for you.

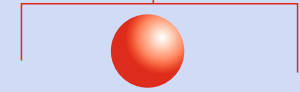


SAFE USE OF CRAFT KNIVES

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Click on the *Link Button* for help in answering the questions .

Link Button



1 DESCRIBE THE TYPE OF WORK CARRIED OUT WITH A CRAFT KNIFE.



2 PASTE TWO IMAGES OF DIFFERENT TYPES OF CRAFT KNIVES. ONE SHOULD BE A RETRACTABLE TYPE.

3 WHY IS IT IMPORTANT TO USE A SAFETY RULER, WHEN CUTTING WITH A CRAFT KNIFE?
Include an image of a safety ruler.

4 DESCRIBE THE SAFE USE OF A CRAFT KNIFE.
Add an image or sketch to support your answer

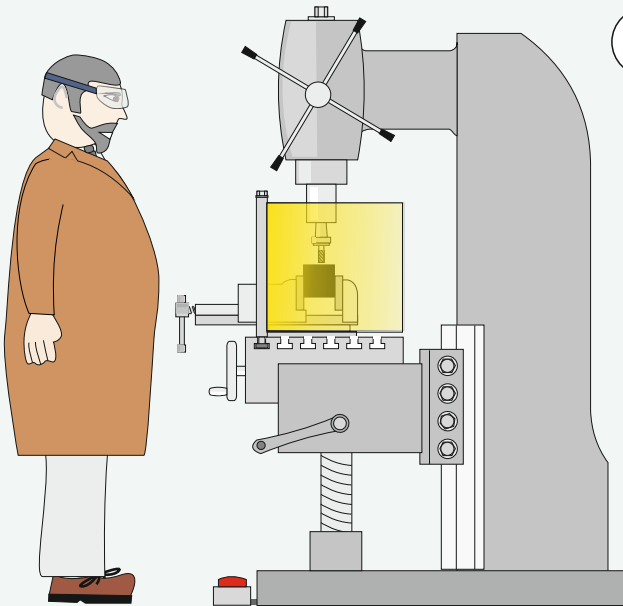
5 NAME FIVE COMMON TYPES OF CRAFT KNIFE BLADE

MORE SAFETY QUESTIONS

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Link Buttons

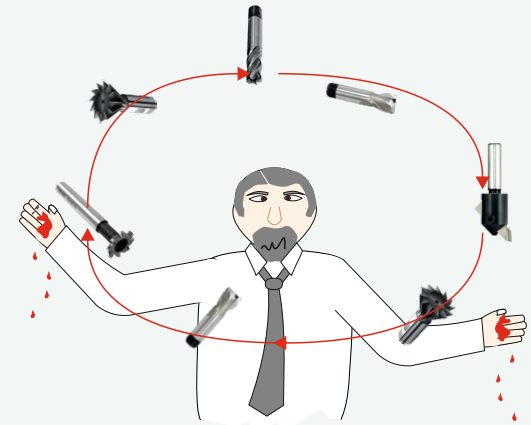


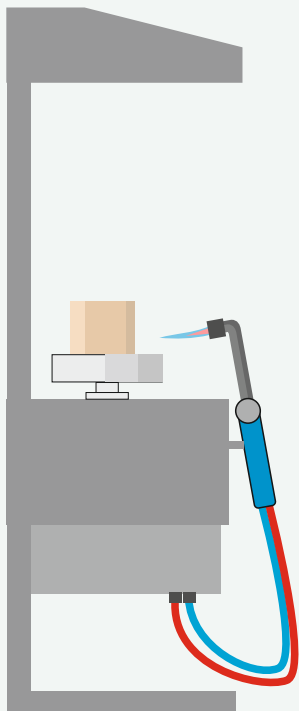
1

This is a Vertical Milling Machine. Identify all aspects that suggest that this machine is being used safely.

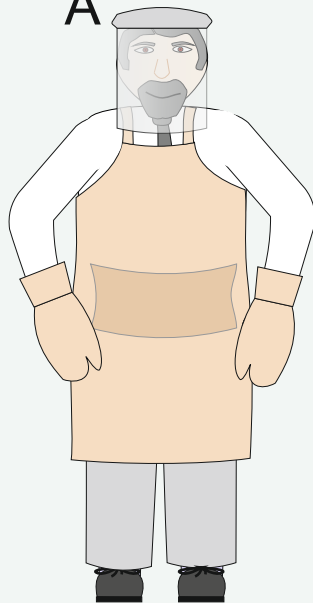
2

Tools with sharp edges are common in a workshop. How should tools of this type be handled in the workshop?

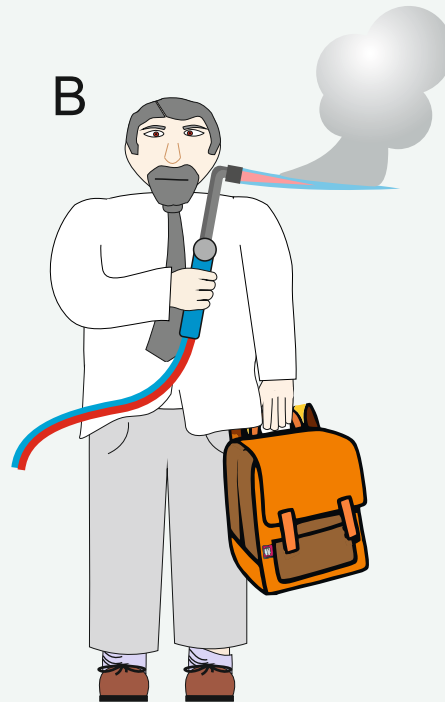




A



B



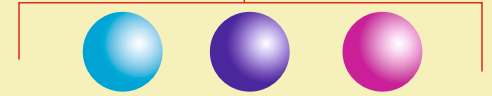
3

The two people opposite, want to use the brazing hearth. Which one is ready and appropriately dressed for the use of this machine? Why is he ready and the other person not ready?

THE SHAPING MACHINE

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Click on the *Link Buttons* for help in answering the questions on, 'the safe use of the Shaping Machine'.

Study the two diagrams that show the shaping machine being used. What is wrong with the way the machine is being used in diagram 'A', compared to diagram 'B'? *Even if you have not even seen a Shaping Machine, you should be able to spot safety issues.*

DIAGRAM 'A'

1. This shaping machine is being used in an unsafe manner. Identify all the areas that show DANGEROUS use of the machine. One area has been identified for you.

His arms / hands are not by his sides. They are too close to the moving parts of the machine.

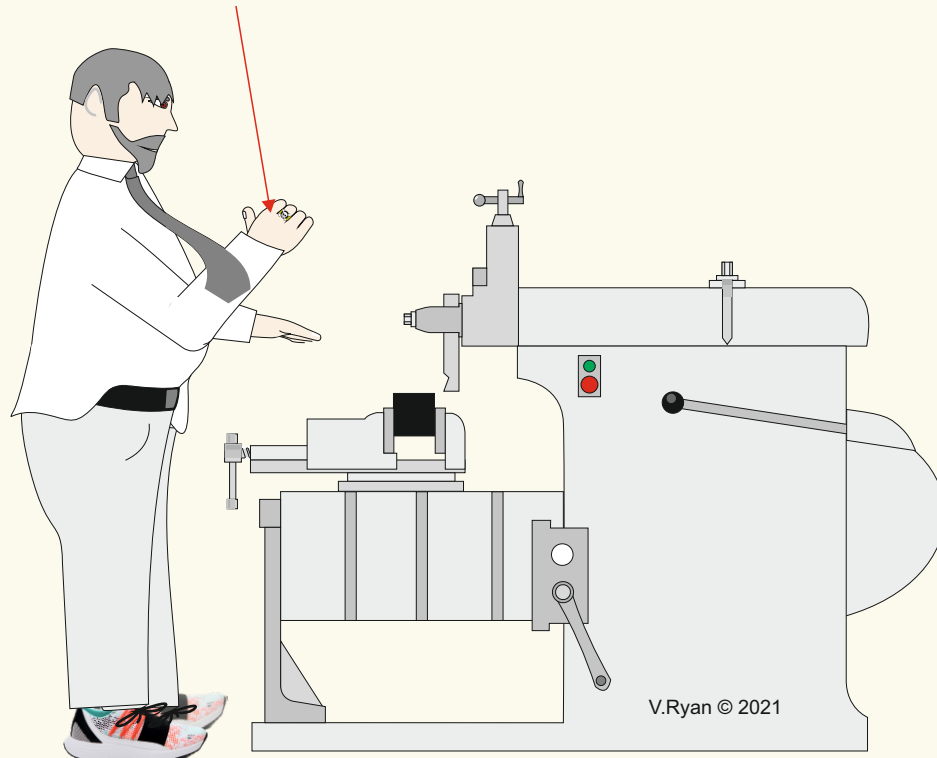


DIAGRAM 'B'

2. This shaping machine is being used safely. Identify all the areas that show SAFE use of the machine. One area has been identified for you.

Guards are in position, protecting the machine operator from small pieces of metal (swarf)

