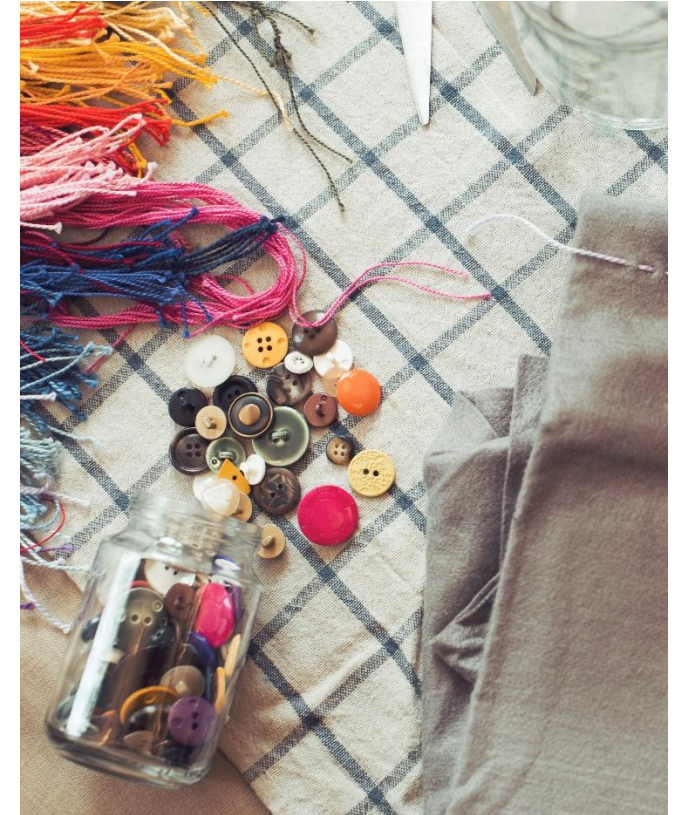


SAFETY IN PRACTICAL SUBJECTS



SESSION OBJECTIVES



Be able to plan practical work



Be able to assess risk



Manage risk



Access supportive resources

WHO IS AT RISK WHEN YOU DO PRACTICAL WORK?



YOURSELF



TECHNICIANS &
COLLEAGUES



PUPILS

WHY RISK ASSESS?

Ensures workers and public are properly protected

For individuals to recognise they also have responsibilities

Enabling Innovation and learning

Ensuring that those who create risks manage them responsibly



IT IS **NOT** ABOUT...

Creating a risk-free
society

Scaring children for
control

Paperwork for the
sake of it

Making unsafe
practical work safe!
A risk assessment
won't solve that!



WHAT IS THE DIFFERENCE BETWEEN HAZARD AND RISK?

Hazard

- Anything that can cause harm

Risk

- How likely will someone get harmed by the hazard



WHAT ARE THE HAZARDS IN THESE ENVIRONMENTS?

“Write” = Ysgrifennu

RISK ASSESSMENT

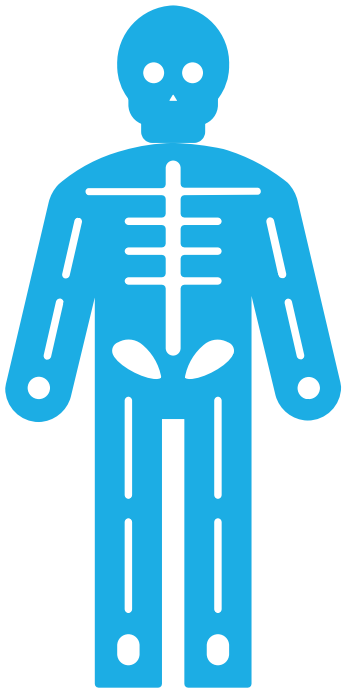


Safety

- ☐ Show children how to use tools with sharp points.
- ☐ Children must wash their hands with soap and water after this activity.
- ☐ Only quick release necklaces can be used.

ABOUT RISK ASSESSMENT GRIDS/ MATRICES:

For **each** hazard decide:



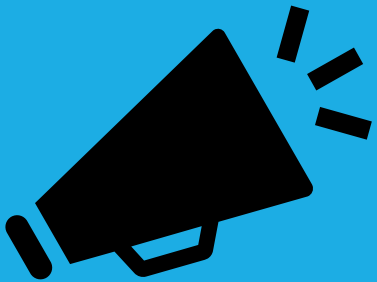
Possible effect

4. Death or permanent disability
3. Long-term illness or serious injury
2. Medical attention and several days off school
1. First aid required

Likelihood

4. Very likely
3. Likely
2. Unlikely
1. Very unlikely

CONTROL MEASURES



(a) can you eliminate the risk?



(b) if the risks are significant, is there another way to carry out the experiment or can you substitute an alternative experiment?



(c) can you reduce the risk?

CLEAPSS

D&T H&S online course video 01 (cleapss.org.uk)

<https://youtu.be/h6cSYsIOyhw>

Going through T/F Quiz - <https://youtu.be/O4FBHTijStM>

Model Risk Assessment <https://youtu.be/-7gOpgTlnrQ>

<https://youtu.be/SEyrBBj6kgl>

PLANNING



requisition sheet

Technicians are not
mind readers



Practise

As many times as
you may need to.



Assess the risk.

Don't be afraid to
tweak standard
experiments.



Plan questions in advance

GOOD PRACTICE:

1. How will you organise pupils?
2. How will you group pupils?
3. Have you checked resources in advance?
4. How will you organise equipment?
5. Are there pupils with health issues or ALN?
6. Are risks managed?

GOOD PRACTICE:

- 6. Is there an emergency plan?
- 7. How will you manage the teaching assistants
- 8. What is the environment like?
- 9. Are the timings still ok?
- 10. Will pupils be able to see?
- 11. Are you checking pupils know what they are doing?

END OF EXPERIMENT

Clearing up

- Don't assume.

It didn't work!

- Back up plan. Stay cool!

Are there more tasks.

- Make expectations clear.

MORE ADVICE

[ASE](#)

[CLEAPSS](#)

[RSC](#)

[The Food Teachers Centre](#)

[Textiles Academy](#)

[National Society for Education in Art & Design \(NSEAD\)](#)

[Design and Technology Association](#)

SESSION OBJECTIVES



Be able to plan experiments safely



Be able to risk assess



Know where to find resources



Manage experiments safely