



Rewarding Learning

General Certificate of Secondary Education

2021

**Double Award Science
Chemistry**

Unit 7: Practical Skills

Booklet A

Foundation Tier

[GDW71]

**APPARATUS AND MATERIALS LIST
AND CONFIDENTIAL INSTRUCTIONS**

To be accessed by Head of Department only

It is the responsibility of the centre to ensure that appropriate risk assessments are carried out for all practical skills assessments.

Advice for centres

- All chemicals used should be at least laboratory reagent specification and labelled with appropriate hazard symbols, e.g. flammable
- For centres running multiple sessions – candidates for the later session should be supplied with clean, dry apparatus.
- **Ensure all chemicals are in date**
- **All candidates must be provided with safety glasses**

Question 1

Each group of candidates will require:

- Approximately 2 g of hydrated copper(II) sulfate, $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$, in a suitable container labelled hydrated copper(II) sulfate and with the exclamation mark and hazardous to the environment hazard symbols.
- A spatula
- A crucible
- A Bunsen burner
- A tripod
- A pipeclay triangle
- A heatproof mat
- An electronic balance (with 0.01 g accuracy resolution)
- A pair of metal tongs
- A stop clock
- Access to a Bunsen lighter/matches
- A dropper/disposable pipette