



Rewarding Learning

**General Certificate of Secondary Education
2021**

Double Award Science Chemistry

Unit 7: Practical Skills

Booklet A

Higher Tier

[GDW75]

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 Bunsen lighter/matches
- A dropper/disposable pipette