

Teacher Guide - Unit G627: Investigating the Scientist's Work

GUIDANCE FOR TEACHERS

- Guidance on Delivery – Sample Teaching Plan.
- Resources: Applied Science AS & A2 Textbook (Heinemann) / ideas for investigations are given in the Principal Moderator's Report – these are based on investigations carried out by candidates.

Guidance on Assessment

- Assessment guidance – Assessment Evidence Grid - specification pages 108-110.
- Candidates are advised to use both the specification and the assessment grids.

Assignment Work

- The assignment briefs included with this unit are expected to give ideas on how to cover the required assessment criteria.
- The topic chosen for this unit depends on the centre. Work should reflect progression from work studied for the AS units and build on the practical and organisational skills gained during the course.
- It is important that the time spent on the topic area links to the mark awarded.
- It is hoped that centres will use these ideas as a starting tool.
- One idea is to decide on a topic and ask a question based on the topic; this can form the basis of the investigation.

Suggested Time Allocation

- Based on 50-60 hours spent on this unit.
- Includes work on assignment plus teaching and learning time.
- Some time should also be reserved for feedback and return of work before/after moderation.

Assessment Objective to be Covered	Mark Awarded	Possible Time Allocation
AO1	10	12 hours
AO2	14	16 hours
AO3	26	30 hours

Teacher Resource Material

- G627 Sample Assignment A: *Information Pack for a Scientific Vocational Investigation.*
- G627 Sample Assignment B: *Investigating Insulating Materials.*