

Subject	Science
Term	Autumn
Duration (Approx)	8 weeks
Module	Forensics

Skills and concepts to be developed and assessed (linking to identified AOs)

A crime always leaves some trace. What chemical techniques and reactions can scientists use to identify these clues? How do they work? As a forensic scientist, you have to build up a case to tie the suspect to the crime scene. What kinds of evidence will you collect, and how much do you need? In this unit, students play the role of Billie, the trainee, eager to prove their worth, opening up old cases and using science to bring criminals to justice

Factual knowledge to be taught and assessed (including subject specific vocabulary).

- 1.2c Assessing risk and working safely
- 1.2e Working critically with primary evidence
- 1.2f Working critically with secondary evidence
- 3.1 Particle models
- 3.2 Chemical reactions
- AF5 Working critically with evidence

Formative Assessment/key piece of work prior to end of unit:

Graded written work with constructive feedback

Summative Assessment:

End of unit tests



Building Retention: What prior learning must be built upon/revisited and how will it be assessed?

In year 5 and 6 pupils explored scientific concepts whilst looking at chemical and physical reactions, dissolving, solutions and using evidence to write conclusions

Spelling-Punctuation-Grammar How will you promote high standards within this module?

- Literacy: Vocabulary and definitions. Reinforce spellings by sorting out letter arrangement.
- Drafting work
- Accurate vocabulary / glossary use
- Word walls and lists

Link forward: where next for the learning?

Pupils will transfer skills and knowledge to other topics and subjects in the year 7 curriculum

Subject	Science
Term	Autumn
Duration (Approx)	8 weeks
Module	A and E

Skills and concepts to be developed and assessed (linking to identified AOs)

Students take the role of Darcy, a trainee nurse doing placements in various hospitals. By helping with a series of cases they learn:

- What goes wrong with cells, organs and tissues when you are injured or unwell;
- How technology lets medics diagnose health problems more accurately and provided better patient care;
- How to judge whether a claim is scientific;
- How IVF can be used to assist reproduction.

Factual knowledge to be taught and assessed (including subject specific vocabulary).

Applications and implications of science, cultural understanding, cells and reproduction.

Formative Assessment/key piece of work prior to end of unit:

Graded written work with constructive feedback

Summative Assessment:

End of unit test



Building Retention: What prior learning must be built upon/revisited and how will it be assessed?

In year 5 and 6 pupils explored scientific concepts whilst looking at animal classification, habitats, organ systems and using evidence to write conclusions.

Spelling-Punctuation-Grammar How will you promote high standards within this module?

- Literacy: Vocabulary and definitions. Reinforce spellings by sorting out letter arrangement.
- Drafting work
- Accurate vocabulary / glossary use
- Word walls and lists

Link forward: where next for the learning?

Pupils will transfer skills and knowledge to other topics and subjects in the year 7 curriculum.