



PLUME ACADEMY - LEARNING OVERVIEW

Year	10
Course	GCSE Combined Science Synergy
Specification Number/Exam Board	8465
End of course assessment and weightings	4 exam papers, each worth 100 marks (total score 400 marks) will be written at the end of Year 11

Prior Learning

Science should be taught in progressively greater depth over the course of key stage three and key stage four. GCSE outcomes may reflect or build upon subject content which is typically taught at key stage 3.

Curriculum Intent – What are the curriculum aims?

- Develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics
- Develop understanding of the nature, processes and methods of science through different types of scientific enquiries that help them to answer scientific questions about the world around them
- Develop and learn to apply observational, practical, modelling, enquiry and problem-solving skills, both in the laboratory, in the field and in other learning environments
- Develop their ability to evaluate claims based on science through critical analysis of the methodology, evidence and conclusions, both qualitatively and quantitatively.

Curriculum Implementation – What will my child be learning?

Term 1	Half Term 1	Building blocks
	Half Term 2	Building blocks & Transport over larger distances
Term 2	Half Term 3	Transport over larger distances & Interaction with the environment
	Half Term 4	Interaction with the environment
Term 3	Half Term 5	Explaining change
	Half Term 6	Explaining change and building blocks for understanding

Curriculum Impact – How will progress be assessed as I learn?

- At least 2 formal exam style assessments (Autumn and Summer)
- Standard homework booklets
- Homework tasks
- General marking and feedback

Super-Curricular Opportunities – Support and Extending Learning



Useful study resources	If a student is really passionate about this subject...	As a parent/carer, I can assist my child in this subject by:
<ul style="list-style-type: none">• BBC Bitesize• Seneca Learning• Oak National Academy	Watch TV documentaries (e.g. BBC Iplayer) Listen to BBC Sounds podcasts on Science related concepts	Encourage students to revise work on a weekly or fortnightly basis using their books and/or You tube, free science AQA videos to check their understanding. Seneca learning From the January before the final exams, encourage students to draw up a revision timetable to aid their preparation.