The Priory Belvoir Academy: Curriculum Overview

"Opportunity and Achievement for All"

SUBJECT	Science	CURRICULUM LEADER	Dr Pennington	YEAR	8
ORGANISATION OF THE SUBJECT	Year 8 follow a general science course based on the Oxford Activate Scheme of Work. This covers Biology, Chemistry and Physics alongside scientific skills. Practical investigations are an integral part of science lessons, to support the learning and progress of all students.				

Key Concepts (The big ideas underpinning this subject)	Key Skills in this subject
The curriculum in Year 8 is split into the three separate Sciences as follows: 1. Biology- health and lifestyle, reproduction, ecosystem processes, adaptation and inheritance. 2. Chemistry- the periodic table, metals and acids, separation techniques, the Earth. 3. Physics- light, electricity, energy, pressure.	• Scientific knowledge and understanding. • Application of Science. • Working scientifically. • Practical skills and techniques. • Mathematics for Science.
What will be learnt in this subject?	**How will learning take place in this subject?**
Biology • Health and lifestyle • Reproduction • Ecosystem processes • Adaptation and inheritance **Chemistry** • The periodic table • Metals and acids • Separation techniques • The Earth. **Physics** • Light • Electricity • Energy • Pressure	• Verbal assessment in lessons • Low stakes high challenge quizzes • Practical investigations • Peer and self-assessment • Progress Assessments • End of unit test • End year examinations
What methods of assessment will be used?	**How can you support learning and progress in this subject?**
• Written assessment tasks • End of unit tests	• Support students at home, encouraging them to complete homework and discussing their grades and progress.

• Homework assessments • Practical technique and skill • End of year test	• Ensure you are aware of the different resources your child can access when they are not in school. • Support your child with effective time management. • Support the school by allowing your child to attend extra-curricular clubs and intervention sessions.
Equipment needed for this subject.	Learning outside the classroom: enrichment opportunities in this subject.
Black pen, pencil, rubber, 30cm ruler and scientific calculator	