



# Year 10 combined science- Curriculum Overview

## Biology

Half Term:	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topics:	4.1 Cell biology	4.1 Cell biology 4.2 Organisation	4.2 Organisation	4.3 Infection and response	4.3 Infection and response 4.4 Bioenergetics	4.4 Bioenergetics
Assessment & End Points:	STAR question RP1 – Microscopy RP2 - Osmosis	Cell biology end of topic test STAR question RP3 – Food Tests RP4 - Enzymes	Organisation end of topic test STAR question	Infection and response end of topic test STAR question	STAR question RP5 - Photosynthesis	Photosynthesis end of topic test STAR question Mock exams

## Chemistry

Half Term:	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topics:	5.2 Bonding, structure and the properties of matter	5.4 Chemical changes – Electrolysis <b>RP3 - Electrolysis</b>	5.3 Quantitative chemistry 5.5 Energy changes <b>RP4 – Energy changes</b>	5.8 Chemical analysis <b>RP6 - Chromatography</b>	5.10 Using resources <b>RP8 – Analysis of water</b>	Revision
Assessment & End Points:	Bonding, structure and properties of matter Test. Ionic structures STAR questions Structure summary STAR questions	Electrolysis Test Electrolysis STAR questions RP3 - Electrolysis STAR Assessment	Quantitative Chemistry and Energy changes Test Energy in reactions STAR questions RP4 -Energy changes STAR Assessment	Chemical Analysis Test Chemical Tests STAR questions Chromatography STAR questions RP6 -Chromatography	Using resources test Water Treatment STAR questions RP8 - Analysis of water	Mock exam

## Physics

Half Term:	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topics:	6.1 Energy	6.3 particle model of matter 6.4 Atomic structure	6.4 Atomic structure	6.2 Electricity	6.2 Electricity	6.2 Electricity Revision
Assessment & End Points:	Energy STAR question Energy test	Atomic structure STAR question Particles test RP1&2 - Density	Radioactivity test	RP3 - Resistance Electricity test	RP4 – IV Graphs	National Grid STAR question