Year group	Advent term	Lent term	Pentecost term
7	Working safely in a laboratory		
	BIOLOGY 7A: Life and living processes	BIOLOGY 7B: Reproduction	BIOLOGY 7C: Behaviour and the environment
	CHEMISTRY 7D: Solids, liquids and gases	CHEMISTRY: Chemical reactions	CHEMISTRY: Acids and alkalis
	PHYSICS 7G: Electricity and magnetism 1	PHYSICS: 7H Energy	PHYSICS: 7I Forces and space
8	BIOLOGY 8A: Nutrition and digestion	BIOLOGY 8B: Respiration and breathing	BIOLOGY 8C: Plant nutrition
	CHEMISTRY 8D: Pure and impure substances	CHEMISTRY 8E: Further chemical reactions	CHEMISTRY 8F: Using chemistry
	PHYSICS 8G: Electricity and magnetism 2	PHYSICS 8H: Fuels and waves	PHYSICS 8I: Pressure and motion
9	Developing science skill	Developing science skill	
	BIOLOGY: Inheritance and variation Cell biology	BIOLOGY: Cell biology Movement across membranes	BIOLOGY: Movement across membranes Levels of organisation
	CHEMISTRY: Atomic structure Periodic table	CHEMISTRY: Structure and bonding	CHEMISTRY: Structure and bonding 2
	PHYSICS: Energy: transfer and resources Energy 1 stores and transfers Electricity 1	PHYSICS: Particle model Forces 1	PHYSICS: Forces 2 Waves
10	BIOLOGY: Levels of organisation Communicable and non-communicable diseases	BIOLOGY: Communicable and non-communicable diseases Bioenergetics	BIOLOGY: Biological responses
	CHEMISTRY: Chemical changes - Extraction of metals and reactivity, Acids and Alkalis Chemical changes - Electrolysis	CHEMISTRY: Quantitative chemistry Energy changes	CHEMISTRY: Chemistry of the atmosphere
	PHYSICS: Energy: work done, national and global energy resources Electricity: Domestic electricity and the National Grid	PHYSICS: Particle model and atomic structure Forces: acceleration	PHYSICS: Forces continued Waves and the EM spectrum Astrophysics
11	BIOLOGY: Biological responses Reproduction	BIOLOGY: Genetics, variation, evolution Ecology	
	CHEMISTRY: Chemical analysis Rates of reaction	CHEMISTRY: Organic chemistry Using resources Using Materials (T)	
	PHYSICS: Forces, elasticity, momentum Electricity IvV characteristics Measuring waves Energy: changes and power Astrophysics	PHYSICS: Particle model: changes in heat Atomic structure: contamination Magnetism and electromagnetism	

A Level Biology AQA

Year 12:

Biological molecules

Cells

Organisms exchange substances with their environment

Genetic information, variation and relationships between organisms

Year 13:

Energy transfers in and between organisms

Organisms respond to changes in their internal ans external environments

Genetics, populations, evolution and ecosystems

The control of gene expression

A Level physics AQA

Year 12:

Particles and radiation

Electromagnetic radiation and quantum phenomena

Waves

Mechanics

Materials

Electricity

Year 13

Further mechanics

Thermal phyiscs

Gravitational and electric fields

Capacitors

Magnetic fields

Nuclear physics

Option: Astrophysics

A Level chemistry OCR

Year 12:

Foundations in Chemistry

Periodic Table and Energy

Core Organic Chemistry & Analysis

Year 13:

Physical Chemistry and Transition Elements

Organic chemistry and Analysis

BTEC Level 3 Applied Science

Year 12:

Cells and Tissues

Periodicity

Waves

Scientific Procedures and Techniques (Titrations, Calorimetry, Chromatography, Professional Practice)

Year 13:

Scientific Investigations Skills (Enzymes, Diffusion, Plants, Energy in Fuels, Circuits)

Diseases & Infection