

		Year 7	Year 8	Year 9	Year 10	Year 11
Forces	Theme	Speed Gravity	Contact forces Pressure		Forces in action	Forces in action
	Knowledge	<ul style="list-style-type: none"> Balanced and unbalanced Speed Distance-time graphs Gravity 	<ul style="list-style-type: none"> Friction and drag Squashing and stretching Turning forces Pressure in solids, liquids and gases 		<p><u>Forces in balance</u></p> <p>P8.1 Vectors and scalars P8.2 Forces between objects P8.3 Resultant forces P8.4 Moments at work P8.5 More about levers and gears P8.6 Centre of mass P8.7 Moments and equilibrium P8.8 The parallelogram of forces P8.9 Resolution of forces</p> <p><u>Motion</u></p> <p>P9.1 Speed and distance-time graphs P9.2 Velocity and acceleration P9.3 Velocity-time graphs P9.4 Analysing motion graphs</p> <p><u>Force and motion</u></p> <p>P10.1 Force and acceleration</p>	<p><u>Force and pressure</u></p> <p>P11.1 Pressure and surfaces P11.2 Pressure in a liquid at rest P11.3 Atmospheric pressure P11.4 Upthrust and flotation</p>

					P10.2 Weight and terminal velocity P10.3 Forces and braking P10.4 momentum <i>P10.5 Using conservation of momentum</i> <i>P10.6 Impact forces</i> <i>P10.7 Safety first</i> P10.8 Forces and elasticity	
	Skills	Planning an investigation Obtaining evidence Presenting data Analysing patterns in data Maths skills	Planning an investigation Obtaining evidence Presenting data Analysing patterns in data Evaluating data and methods Maths skills		Required practical: Investigating the relationship between force and acceleration Required practical: Investigating force and extension of a spring Planning an investigation Obtaining results from an investigation Presenting data Analysing results Evaluating an investigation Maths skills	Maths skills
	Assessment	End of topic assessment Termly assessment covering all work covered to date	End of topic assessment Termly assessment covering all work covered to date		Topic assessments Year 10 PPE	Topic assessments Year 11 PPE
Energy	Theme	Pd Current	Magnets and Magnetic fields Electromagnets	Energy and energy resources Particles at work	Particles at work	

	Knowledge	<ul style="list-style-type: none"> • Potential difference • Resistance • Series and parallel circuits • Current • Charging up 	<ul style="list-style-type: none"> • Magnets and magnetic fields • Electromagnets • Using electromagnets 	<p style="text-align: center;"><u>Conservation and dissipation of energy</u></p> <p>P1.1 Changes in energy stores P1.2 Conservation of energy P1.3 Energy and work P1.4 Gravitational potential energy stores P1.5 Kinetic energy and elastic energy stores P1.6 Energy dissipation P1.7 Energy and efficiency P1.8 Electrical appliances P1.9 Energy and power</p> <p style="text-align: center;"><u>Energy transfer by heating</u></p> <p>P2.1 Energy transfer by conduction <i>P2.2 Infrared radiation</i> <i>P2.3 More about infrared radiation</i> P2.4 Specific heat capacity P2.5 Heating and insulating buildings</p> <p style="text-align: center;"><u>Energy resources</u></p> <p>P3.1 Energy demands P3.2 Energy from wind and water P3.3 Power from the Sun and Earth P3.4 Energy and the environment P3.5 Big energy issues</p> <p style="text-align: center;"><u>Electric circuits</u></p>	<p style="text-align: center;"><u>Molecules and matter</u></p> <p>P6.1 Density P6.2 States of matter P6.3 Changes of state P6.4 Internal energy P6.5 Specific latent heat P6.6 Gas pressure and temperature <i>P6.7 Gas pressure and volume</i></p> <p style="text-align: center;"><u>Radioactivity</u></p> <p>P7.1 Atoms and radiation P7.2 The discovery of the nucleus P7.3 Changes in the nucleus P7.4 More about alpha, beta and gamma radiation P7.5 Activity and half-life <i>P7.6 Nuclear radiation in medicine</i> <i>P7.7 Nuclear fission</i> <i>P7.8 Nuclear fusion</i> <i>P7.9 Nuclear issues</i></p>	
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				<p><i>P4.1 Electrical charge and fields</i></p> <p>P4.2 Current and charge</p> <p>P4.3 Potential difference and resistance</p> <p>P4.4 Component characteristics</p> <p>P4.5 Series circuits</p> <p>P4.6 Parallel circuits</p> <p><u>Electricity in the home</u></p> <p>P5.1 Alternating current</p> <p>P5.2 Cables and plugs</p> <p>P5.3 Electrical power and potential difference</p> <p>P5.4 Electrical currents and energy transfers</p> <p>P5.5 Appliances and efficiency</p>		
	Skills	<p>Planning an investigation</p> <p>Obtaining evidence</p> <p>Presenting data</p> <p>Analysing patterns in data</p> <p>Maths skills</p>	<p>Planning an investigation</p> <p>Obtaining evidence</p> <p>Presenting data</p> <p>Analysing patterns in data</p> <p>Evaluating data and methods</p> <p>Maths skills</p>	<p>Required practical: Investigating thermal insulators</p> <p>Required practical: Determining specific heat capacity</p> <p>Required practical: Investigating resistance</p> <p>Required practical: Investigating electrical components</p> <p>Planning an investigation</p> <p>Obtaining results from an investigation</p> <p>Presenting data</p> <p>Analysing results</p> <p>Evaluating an investigation</p>	<p>Required practical: Calculating densities</p> <p>Planning an investigation</p> <p>Obtaining results from an investigation</p> <p>Presenting data</p> <p>Analysing results</p> <p>Evaluating an investigation</p> <p>Maths skills</p>	

				Maths skills		
	Assessment	End of topic assessment Termly assessment covering all work covered to date	End of topic assessment Termly assessment covering all work covered to date	Topic assessments Year 9 PPE	Topic assessments Year 10 PPE	Topic assessments Year 11 PPE
Energy	Theme	Energy costs Energy transfers	Work Heating and cooling			
	Knowledge	<ul style="list-style-type: none"> • Food and fuels • Energy resources • Energy and power • Energy adds up • Energy dissipation 	<ul style="list-style-type: none"> • Work, energy and machines • Energy and temperature • Energy transfers: Particles • Energy transfers: radiation and insulation 			
	Skills	Planning an investigation Analysing patterns in data Maths skills	Planning an investigation Obtaining evidence Presenting data Analysing patterns in data Evaluating data and methods Maths skills			

	Assessment	End of topic assessment Termly assessment covering all work covered to date	End of topic assessment Termly assessment covering all work covered to date			
Waves	Theme	Sound Light	Wave effects Wave properties			Waves, electromagnetism and space
	Knowledge	<ul style="list-style-type: none"> • Sound waves and speed • Loudness and amplitude • Frequency and pitch • The ear and hearing • Light • Reflection • Refraction • The eye and vision • Colour 	<ul style="list-style-type: none"> • Sound waves, water waves and energy • Radiation and energy • Modelling waves 			<p><u>Wave properties</u></p> <p>P12.1 The nature of waves P12.2 The properties of waves P12.3 Reflection and refraction P12.4 More about waves <i>P12.5 Sound waves</i> <i>P12.6 The uses of ultrasound</i> <i>P12.7 Seismic waves</i></p> <p><u>Electromagnetic waves</u></p> <p>P13.1 The electromagnetic spectrum P13.2 Light, infrared, microwaves and radio waves P13.3 Communications P13.4 Ultraviolet waves, X-rays and gamma rays P13.5 X-rays in medicine</p> <p><u>Light</u></p> <p><i>P14.1 Reflection of light</i></p>

						<p><i>P14.2 Refraction of light</i> <i>P14.3 Light and colour</i> <i>P14.4 Lenses</i> <i>P14.5 Using lenses</i></p> <p><u>Electromagnetism</u> P15.1 Magnetic fields P15.2 Magnetic fields of electric currents <i>P15.3 Electromagnets in devices</i> P15.4 The motor effect <i>P15.5 The generator effect</i> <i>P15.6 The alternating current generator</i> <i>P15.7 Transformers</i> <i>P15.8 Transformers in action</i></p>
	Skills	Obtaining evidence Presenting data Analysing patterns in data Maths skills	Planning an investigation Obtaining evidence Presenting data Analysing patterns in data Evaluating data and methods Maths skills			Required practical: Investigating plane waves in a ripple tank and waves in a solid Required practical: Investigate reflection and refraction of light Required practical: Investigating infrared radiation Planning an investigation Obtaining results from an investigation Presenting data Analysing results Evaluating an investigation Maths skills

	Assessment	End of topic assessment Termly assessment covering all work covered to date	End of topic assessment Termly assessment covering all work covered to date			Topic assessments Year 11 PPE
Matter	Theme	Particle model Separating mixtures	Elements Periodic Table	Atoms, bonding and moles		
	Knowledge	<ul style="list-style-type: none"> • The particle model • States of matter • Melting and freezing • Boiling • Diffusion • Gas pressure • Inside particles • Pure substances and mixtures • Solutions • Solubility • Filtration • Evaporation and distillation • Chromatography 	<ul style="list-style-type: none"> • Elements, atoms and compounds • Chemical formulae • Polymers • The periodic table • The elements of Group 1,7 and 0 	<p><u>Atomic structure</u></p> <p>C1.1 Atoms C1.2 Chemical Equations C1.3 Separating Mixtures C1.4 Fractional distillation and paper chromatography C1.5 History of the atom C1.6 Structure of the atom C1.7 Ions, Atoms, Isotopes C1.8 Electronic Structures</p> <p><u>The Periodic table</u></p> <p>C2.1 Development of the periodic table C2.2 Electronic structures and the periodic table C2.3 Group 1 Alkali metals C2.4 Group 7 Halogens C2.5 Explaining trends C2.6 <i>Transition metals</i></p> <p><u>Structure and bonding</u></p> <p>C3.1 States of Matter C3.2 Atoms into Ions</p>		

				<p>C3.3 Ionic Bonding C3.4 Giant Ionic Structures C3.5 Covalent Bonding C3.6 Structure of simple molecules C3.7 Giant covalent structures C3.8 Fullerenes and grapheme C3.9 Bonding in metals C3.10 Giant metallic structures <i>C3.11 Nanoparticles</i> <i>C3.12 Applications of nanoparticles</i></p> <p><u>Chemical calculations</u> C4.1 Relative masses and moles C4.2 Equations and calculations C4.3 From masses to balanced equations <i>C4.4 The yield of a chemical reaction</i> <i>C4.5 Atom economy</i> C4.6 Expressing concentrations <i>C4.7 Titrations</i> <i>C4.8 Titration calculations</i> <i>C4.9 Volumes of gases</i></p>		
	Skills	<p>Planning an investigation Analysing patterns in data Maths skills</p>	<p>Planning an investigation Obtaining evidence Presenting data Analysing patterns in data Evaluating data and methods Maths skills</p>	<p><i>Required practical: Use titration to investigate reacting volumes</i> Planning an investigation Obtaining results from an investigation Presenting data</p>		

				Analysing results Evaluating an investigation Maths skills		
	Assessment	End of topic assessment Termly assessment covering all work covered to date	End of topic assessment Termly assessment covering all work covered to date	Topic assessments Year 9 PPE		
Reactions	Theme	Acids and Alkalis Metals and Non-metals	Types of reactions Chemical energy	Chemical reactions	Energy changes Rates, Equilibrium and organic chemistry Analysis	
	Knowledge	<ul style="list-style-type: none"> • Chemical reactions • Acids and Alkalis • Indicators and pH • Neutralisation • Making salts • More about elements • Chemical reactions with metals 	<ul style="list-style-type: none"> • Atoms in chemical reactions • Combustion • Thermal decomposition • Conservation of mass • Exothermic and endothermic reactions • Energy level diagrams • Bond energies 	<p><u>Chemical changes</u></p> <p>C5.1 The reactivity series C.52 Displacement reactions C5.3 Extracting metals C5.4 Salts from metals C5.5 Salts from insoluble bases C5.6 Making more Salts C5.7 Neutralisation and pH scale C5.8 Strong and weak acids C6 Electrolysis C6.1 Introduction to electrolysis C6.2 Changes at electrodes C6.3 The extraction of Aluminium C6.4 Electrolysis of aqueous solutions</p>	<p><u>Energy changes</u></p> <p>C7.1 Exothermic and Endothermic C7.2 Using energy transfers from reactions C7.3 Reaction profiles C7.4 Bond energy calculation <i>C7.5 Chemical cells and batteries</i> <i>C7.6 Fuel cells</i></p> <p><u>Rates and Equilibrium</u></p> <p>C8.1 Rate of reactions C8.2 Collision theory and Surface area C8.3 The effect of temperature</p>	

				<p style="text-align: center;"><u>Electrolysis</u></p> <p>C6.1 Introduction to electrolysis C6.2 Changes at electrodes C6.3 The extraction of Aluminium C6.4 Electrolysis of aqueous solutions</p>	<p>C8.4 The effect of surface area C8.5 The effect of catalysts C8.6 Reversible reactions C8.7 Energy and reversible reactions C8.8 Dynamic equilibrium C8.9 Altering conditions</p> <p style="text-align: center;"><u>Crude oil and fuels</u></p> <p>C9.1 Hydrocarbons C9.2 Fractional Distillation C9.3 Burning Hydrocarbon Fuels C9.4 Cracking Hydrocarbons</p> <p style="text-align: center;"><u>Organic reactions</u></p> <p><i>C10.1 Reactions of alkenes C10.2 Structures of alcohols, carboxylic acids and esters C10.3 Reactions and uses of alcohols C10.4 Carboxylic acids</i></p> <p style="text-align: center;"><u>Polymers</u></p> <p><i>C11.1 Additional polymerisation C11.2 Condensation polymerisation C11.3 Natural polymers C11.4 DNA</i></p> <p style="text-align: center;"><u>Chemical analysis</u></p> <p>C12.1 Pure substances and mixtures C12.2 Analysing chromatograms C12.3 Testing for gases</p>	
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					C12.4 Tests for positive ions C12.5 Tests for negative ions C12.6 Instrumental analysis	
	Skills	Obtaining evidence Analysing patterns in data Evaluating data and methods Maths skills	Planning an investigation Obtaining evidence Presenting data Analysing patterns in data Evaluating data and methods Maths skills	Required practical: Prepare a salt from an insoluble metal carbonate or oxide Required practical: Investigate the electrolysis of a solution Planning an investigation Obtaining results from an investigation Presenting data Analysing results Evaluating an investigation Maths skills	Required practical: Investigating temperature change Required practical: Investigating the effect of concentration on rate or reaction Required practical: Calculating R _f values Required practical: Use chemical tests to identify unknown compounds Planning an investigation Obtaining results from an investigation Presenting data Analysing results Evaluating an investigation Maths skills	
	Assessment	End of topic assessment Termly assessment covering all work covered to date	End of topic assessment Termly assessment covering all work covered to date	Topic assessments Year 9 PPE	Topic assessments Year 10 PPE	Topic assessments Year 11 PPE
Earth and Space	Theme	Earth Structure Universe	Climate Earth resources			The Earth's resources

	Knowledge	<ul style="list-style-type: none"> • The structure of the Earth • Rock types • The rock cycle • Ceramics • The night sky • The Solar system • The Earth • The moon and changing ideas 	<ul style="list-style-type: none"> • Global warming • The carbon cycle • Climate change • Extracting metals • Recycling 			<p><u>The Earth's Atmosphere</u> C13.1 History of the Atmosphere C13.2 Our Evolving atmosphere C13.3 Greenhouse Gases C13.4 Global Climate Change C13.5 Atmospheric pollutants</p> <p><u>The Earth's resources</u> C14.1 Finite and renewable resources C14.2 Water safe to drink C14.3 Treating waste water C14.4 Extracting metals from ores C14.5 Life cycle assessments C14.6 Reduce, reuse and recycle</p> <p><u>Using our resources</u> <i>C15.1 Rusting</i> <i>C15.2 Useful alloys</i> <i>C15.3 The properties of polymers</i> <i>C15.4 Glass, ceramics and composites</i> <i>C15.5 Making ammonia: The Haber process</i> <i>C15.6 The economics of the Haber process</i> <i>C15.7 Making fertilisers in the lab</i> <i>C15.8 Making fertilisers in industry</i></p>
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						<p style="text-align: center;"><u>Space</u></p> <p><i>P16.1 Formation of the Solar System</i></p> <p><i>P16.2 The life history of a star</i></p> <p><i>P16.3 Planets, satellites and orbits</i></p> <p><i>P16.4 The expanding universe</i></p> <p><i>P16.5 The beginning and future of the Universe</i></p>
	Skills	Analysing patterns in data Maths skills	Planning an investigation Obtaining evidence Presenting data Analysing patterns in data Evaluating data and methods Maths skills			Required practical: Purify and test water Planning an investigation Obtaining results from an investigation Presenting data Analysing results Evaluating an investigation Maths skills
	Assessment	End of topic assessment Termly assessment covering all work covered to date	End of topic assessment Termly assessment covering all work covered to date			Topic assessments Year 11 PPE
Organisms	Theme	Movement Cells	Breathing Digestion	Cells and organisation	Biological responses	
	Knowledge	<ul style="list-style-type: none"> Levels of organisation The skeleton Movement: joints and muscles 	<ul style="list-style-type: none"> Gas exchange Breathing Drugs, alcohol and smoking Nutrients 	<p><u>Cell structure and transport</u></p> <p>B1.1 The world of the microscope</p> <p>B1.2 Animal and plant cells</p> <p>B1.3 Eukaryotic and prokaryotic cells</p>	<p><u>The human nervous system</u></p> <p>B10.1 Principles of homeostasis</p> <p>B10.2 The structure and function of the nervous system</p>	

		<ul style="list-style-type: none"> • Observing cells • Plant and animal cells • Specialised cells • Movement of substances • Uni-cellular organisms 	<ul style="list-style-type: none"> • Food tests • Digestive system • Unhealthy diet • Bacteria and enzymes in digestion 	<p>B1.4 Specialisation in animal cells B1.5 Specialisation in plant cells B1.6 Diffusion B1.7 Osmosis B1.8 Osmosis in plants B1.9 Active Transport B1.10 Exchanging materials</p> <p><u>Cell division</u> B2.1 Cell division B2.2 Growth and differentiation B2.3 Stem cells B2.4 Stem cell dilemmas</p> <p><u>Organisation and the digestive system</u> B3.1 Tissues and organs B3.2 The human digestive system B3.3 The chemistry of food B3.4 Catalysts and enzymes B3.5 Factors affecting enzyme action B3.6 How the digestive system works B3.7 Making digestion efficient</p> <p><u>Organising animals and plants</u> B4.1 The blood B4.2 The blood vessels B4.3 The heart B4.4 Helping the heart</p>	<p>B10.3 Reflex actions B10.4 The brain B10.5 The eye B10.6 Common problems of the eye</p>	
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				<p>B4.5 Breathing and gas exchange</p> <p>B4.6 Tissues and organs in plants</p> <p>B4.7 Transport systems in plants</p> <p>B4.8 Evaporation and transpiration</p>		
	Skills	<p>Planning an investigation</p> <p>Maths skills</p>	<p>Planning an investigation</p> <p>Obtaining evidence</p> <p>Presenting data</p> <p>Analysing patterns in data</p> <p>Evaluating data and methods</p> <p>Maths skills</p>	<p>Required Practical: Using a light microscope</p> <p>Required Practical: Investigating the effect of a range of concentrations of salt or sugar solutions on the mass of plant tissue</p> <p>Required Practical: Use standard food tests to identify food groups</p> <p>Required Practical: Investigate the effect of pH on the rate of reaction of amylase enzyme</p> <p>Planning an investigation</p> <p>Obtaining results from an investigation</p> <p>Presenting data</p> <p>Analysing results</p> <p>Evaluating an investigation</p> <p>Maths skills</p>	<p>Required practical: Investigate the effect of a factor on human reaction time</p> <p>Required Practical: Investigate the effect of light or gravity on the growth of newly germinated seedlings</p> <p>Planning an investigation</p> <p>Obtaining results from an investigation</p> <p>Presenting data</p> <p>Analysing results</p> <p>Evaluating an investigation</p> <p>Maths skills</p>	
	Assessment	<p>End of topic assessment</p> <p>Termly assessment covering all work covered to date</p>	<p>End of topic assessment</p> <p>Termly assessment covering all work covered to date</p>	<p>Topic assessments</p> <p>Year 9 PPE</p>	<p>Topic assessments</p> <p>Year 10 PPE</p>	<p>Topic assessments Year 11 PPE</p>
Ecosystems	Theme	<p>Interdependence</p> <p>Plant reproduction</p>	<p>Interdependence</p> <p>Human reproduction</p>		<p>Bioenergetics</p>	<p>Ecology</p>

	Knowledge	<ul style="list-style-type: none"> • Food chains and food webs • Disruption to food chains and webs • Ecosystems • Competition • Flowers and pollination • Fertilisation and germination • Seed dispersal 	<ul style="list-style-type: none"> • Aerobic and anaerobic respiration • Biotechnology • Photosynthesis • Leaves • Plant minerals 		<p><u>Photosynthesis</u> B8.1 Photosynthesis B8.2 The rate of photosynthesis B8.3 How plants use glucose B8.4 Making the most of photosynthesis & Respiration B9.1 Aerobic respiration B9.2 The response to exercise B9.3 Anaerobic respiration B9.4 Metabolism and the liver</p>	<p><u>Adaptations, interdependence and competition</u> B16.1 The importance of communities B16.2 Organisms in their environment B16.3 Distribution and abundance B16.4 Competition in animals B16.5 Competition in plants B16.6 Adapt and survive B16.7 Adaptation in animals B16.8 Adaptations in plants</p> <p><u>Organising an ecosystem</u> B17.1 Feeding relationships B17.2 Materials cycling B17.3 The carbon cycle <i>B17.4 Rates of decomposition</i></p> <p><u>Biodiversity and ecosystems</u> B18.1 The human population explosion B18.2 Land and water pollution B18.3 Air pollution B18.4 Deforestation and peat destruction B18.5 Global warming <i>B18.6 The impact of change</i> B18.7 Maintaining biodiversity <i>B18.8 Trophic levels and biomass</i> <i>B18.9 Biomass transfers</i></p>
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						<i>B18.10 Factors affecting food security</i> <i>B18.11 Making food production efficient</i> <i>B18.12 Sustainable food production</i>
	Skills	Planning an investigation Analysing patterns in data	Planning an investigation Obtaining evidence Presenting data Analysing patterns in data Evaluating data and methods Maths skills		Required Practical: Investigate the effect of light intensity on the rate of photosynthesis Planning an investigation Obtaining results from an investigation Presenting data Analysing results Evaluating an investigation Maths skills	Required Practical: Measure the population size of a common species in a habitat Required Practical: Investigate the effect of temperature on the rate of decay of fresh milk Planning an investigation Obtaining results from an investigation Presenting data Analysing results Evaluating an investigation Maths skills
	Assessment	End of topic assessment Termly assessment covering all work covered to date	End of topic assessment Termly assessment covering all work covered to date	Topic assessments Year 9 PPE	Topic assessments Year 10 PPE	Topic assessments Year 11 PPE
Genes	Theme	Variation Human reproduction	Variation Human reproduction	Cell division	Genetics and reproduction	
	Knowledge	<ul style="list-style-type: none"> Variation Continuous and discontinuous Adapting to change Adolescence Reproductive systems Fertilisation and implantation 	<ul style="list-style-type: none"> Natural selection Charles Darwin Extinction Preserving biodiversity Inheritance DNA Genetics 	<u>Cell division</u> B2.1 Cell division B2.2 Growth and differentiation B2.3 Stem cells B2.4 Stem cell dilemmas	<u>Reproduction</u> B13.1 Types of reproduction B13.2 Cell division in sexual reproduction <i>B13.3 The best of both worlds</i> B13.4 DNA and the genome <i>B13.5 DNA structure and protein synthesis</i>	

		<ul style="list-style-type: none"> • Development of the fetus • The menstrual cycle 	<ul style="list-style-type: none"> • Genetic modification 		<i>B13.6 Gene expression and mutation</i> B13.7 Inheritance in action B13.8 More about genetics B13.9 Inherited disorders B13.10 Screening for genetic disorders	
	Skills	Presenting data Analysing patterns in data Maths skills	Planning an investigation Obtaining evidence Presenting data Analysing patterns in data Evaluating data and methods Maths skills	Evaluating information	Evaluating information Maths skills	
	Assessment	End of topic assessment Termly assessment covering all work covered to date	End of topic assessment Termly assessment covering all work covered to date	Topic assessments Year 9 PPE	Topic assessments Year 10 PPE	Topic assessments Year 11 PPE
Diseases and prevention	Theme			Disease	Disease	
	Knowledge			<u>Communicable diseases</u> B5.1 Health and disease B5.2 Pathogens and disease <i>B5.3 Growing bacteria in the lab</i> <i>B5.4 Preventing bacterial growth</i> B5.5 Preventing infections B5.6 Viral diseases B5.7 Bacterial diseases	<u>Preventing and treating disease</u> B6.1 Vaccination B6.2 Antibiotics and painkillers B6.3 Discovering drugs B6.4 Developing drugs <i>B6.5 Making monoclonal antibodies</i> <i>B6.6 Uses of monoclonal antibodies</i>	

				B5.8 Diseases caused by fungi and protists B5.9 Human defence responses B5.10 <i>More about plant diseases</i> B5.11 <i>Plant defence responses</i>		
	Skills			Required practical: Investigating the effect of antiseptics or antibiotics on bacterial growth Planning an investigation Obtaining results from an investigation Presenting data Analysing results Evaluating an investigation Maths skills	Evaluating information	
	Assessment			Topic assessments Year 9 PPE	Topic assessments Year 10 PPE	Topic assessments Year 11 PPE