

Assessment outline

Year 7	Year 8	Year 9	Year 10	Year 11
Pre and post assessment for every unit. (oasis curriculum) <ul style="list-style-type: none"> Compulsory 	Assessment at the end of each unit.	Assessment at the end of each unit.	Assessment at the end of each unit.	Assessment at the end of each unit.
1 Improvement Prompt every half term	1 Improvement Prompt every half term	1 Improvement Prompt every half term	1 Improvement Prompt every half term	1 Improvement Prompt every half term
Synoptic assessment out of 40 marks x3	Synoptic assessment out of 40 marks x3	Synoptic assessment out of 60 marks x3	Synoptic assessment out of 60 marks x3	AQA June Series Mock 1 – (Dec/Jan) AQA paper 1 June (of the previous year) x 3 (trilogy) Mock 2 – (Feb/March) AQA paper 2 June (of the previous year) x 3 (trilogy)
Question demand: 1 tier paper consisting of: 40 Recall questions (low demand), 40% Application questions (medium demand), 20% Interpret/Evaluate questions (high demand) Practical skills: 15% of each paper will be practical skills – equipment, controls, skills (descriptions, not any interpretations etc.) Extended writing: One six-mark question on each paper Maths: (inc. graphs): Biology 10%, Chemistry 20%, Physics 30%				

Curriculum overview

Year Group	HT1	HT2	HT3	HT4	HT4	HT6
7	<p>Topic: Particles Scientific equipment Hazards and risks Using Bunsen burners Particle model – states of matter Brownian motion (EXT) Particle model- advantages and disadvantages (EXT) Changes of state Melting and Boiling points Expansion and contraction (EXT) Diffusion, osmosis, active transport Atoms and elements Compounds and mixtures Symbols and formulae Structure of an atom</p>	<p>Topic: Types of reaction Physical and Chemical reactions Solubility Rates of dissolving Filtration Crystallisation (linking to evaporation) Simple Distillation Chromatography Acids and Alkalis Indicators Neutralisation</p>	<p>Topic: Forces Identifying forces – contact vs non contact Balanced and unbalanced forces Resultant force Newton’s Laws (EXT) Hooke’s Law- practical and graph skills (EXT) Friction- advantages and disadvantage Streamlining- everyday examples and linked to particles Moments (EXT) Speed calculations Distance- time graph Velocity-time graph Gravity, weight and mass Solar system Day and night Seasons Galaxies and universe Light year</p>	<p>Topic: Energy Different types of energy stores Energy transfers Sankey diagrams (EXT) Efficiency calculations Conduction, convection and radiation Preventing heat loss- practical skills Renewable and non-renewable Renewables- advantages and disadvantages Nuclear energy Calculations: power and energy costs</p>	<p>Topic: Interdependence and cells Living things: MRS NERG 5 Kingdoms and classes Classification and keys Food chains Food webs Pyramids of numbers Pyramids of biomass (EXT) Environment and habitats Competition Sampling techniques (EXT) Animal cells Plant cells Prokaryotic vs eukaryotic Microscopes Microscope calculations (EXT) Specialised cells Stem cells Cells, tissues, organs, systems</p>	<p>Topic: Reproduction and Variation Male and female reproductive organs in humans and plants Gametes – humans and plants Fertilisation in humans Pregnancy and gestation (EXT) Menstrual cycle (EXT) Genetic and environmental variation Genetic cross diagrams (EXT) Genetic diseases and sexual determination (EXT) Adaptation Natural Selection Selective Breeding Endangered species and extinction Biodiversity (EXT) Extremophiles (EXT)</p>

8	<p>Topic: Periodic table and materials The periodic table – structure History of the periodic table (EXT) Metals and non-metals Alloys (EXT) Ceramics (EXT) Polymers (EXT) Composite (EXT) Atomic Structure Ar and Mr (EXT) Alkali metals (group 1) Halogens (Group 7) Noble Gases (Group 0) (EXT) Naming compounds (EXT) Writing formulae (EXT) Exothermic and endothermic reactions Testing for gases</p>	<p>Topic: Chemical Reactions and the environment Metals and oxygen Metals and acid reactions Acids and hydroxides (EXT) Acids and carbonates (EXT) Combustion Word and symbol equations (taught throughout this topic) Balancing equations (taught throughout this topic) Conservation of mass The Reactivity series (EXT) Displacement reactions (EXT) Extracting metals (EXT) Rates of reaction (EXT) Catalysts (EXT) Fossil fuel formation Climate change Greenhouse effect (EXT) Carbon cycle Recycling</p>	<p>Topic: Waves and Pressure Producing sounds How sound travels Hearing sounds – The ear (EXT) Properties of sound waves Wave calculations Using sound: ultrasound and echowaves (EXT) Waves – EM waves Transverse and longitudinal (EXT) The eye and light Reflection Refraction Seeing colour (EXT) Pressure (over area) Pressure (in liquids) Pressure (in gases)</p>	<p>Topic: Electricity and Magnetism Static electricity (EXT) Conductors and Insulators Electrical circuits Current Potential difference Measuring potential difference Series and Parallel circuits Resistance in a circuit (EXT) Power in a circuit (EXT) Magnets Making Magnets Drawing magnetic fields Earth's magnetic field Electromagnets (EXT) Using Electromagnets (EXT)</p>	<p>Topic: Energy from food Food groups Balanced and unbalanced diets Energy in food Tissues and organs of the digestive system Digestion Absorption – diffusion, active transport, osmosis (EXT) Enzymes in the digestive system Photosynthesis Leaf adaptations – Gas exchange Rood adaptation - Absorption of water Transpiration/translocation (EXT) Testing for starch</p>	<p>Topic: Keeping Healthy Sub cellular structures (recap) Cells, tissues, organs and systems The lungs Breathing Gas exchange The heart and blood The circulatory system Aerobic respiration Anaerobic respiration Exercise and respiration Communicable vs non communicable diseases Microorganisms Pathogens Antibiotics Human defences Vaccination (EXT)</p>
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Group	HT1	HT2	HT3	HT4	HT5	HT4
9	Topic: Chemistry Fundamentals Knowledge: Changing states of matter Atoms and elements Compounds and formulae Pure substances and solutions Separation techniques RP: Chromatography Changing Atomic Theories Protons, Neutrons and Electrons Electron configuration Isotopes and relative atomic mass The periodic table The modern periodic table Mini Quiz Metals and non-metals Uses of metals Corrosion (Triple only) Corrosion prevention (Triple only) Transition metals (Triple only) Typical properties (Triple only) Alloys Properties and uses of alloys (Triple only) Alkali metals Halogens Noble Gases Gas tests Skills: Calculate the number of protons, neutrons and electrons for different	Topic: Investigative Chemistry Knowledge: Ionic bonding part 1 Ionic bonding part 2 Properties of ionic bonding Covalent bonding Properties of covalent structures Giant covalent structures Nanoparticles (Triple only) Metallic Bonding Comparing and contrasting types of bonding Word and symbol equations Balancing equations Conservation of mass Metals and oxygen Metals and acid Metals and water Redox reactions (Triple only) Acids and bases Acids - weak and strong (Triple only) Neutralisation	Topic: Physics - Energy and Waves Knowledge: Types of energy and energy transfers Open and closed systems Insulation RP: Investigating thermal insulators (Triple only) Non-renewable resources Renewable resources Comparison of energy resources Work done Power Efficiency calculations Gravitational potential energy Kinetic energy Elastic potential energy RP: Relationship between force and extension Mini Quiz Introduction to waves Waves equation Measuring speed of	Topic: Forces Knowledge: Scalar and vector quantities Types of forces Weight Resultant forces Vector diagrams Speed and velocity Circular motion Distance time graphs Acceleration and deceleration Velocity time graphs Terminal Velocity Newton's first law Newton's second law Inertia and inertial mass (Triple only) RP: Investigate Newton's Second Law of motion Newton's third law Stopping distances Energy transfers in stopping Momentum (Triple only) Momentum calculations (Triple only)	Topic: Cell Biology Knowledge: Types of cells Specialised cells Tissues, organs and systems Introducing microscopes RP: Using Microscopes Types of microscope Multiplying bacteria (Triple only) Culturing microorganisms RP: Investigating antiseptics (part 1) RP: Investigating antiseptics (part 2) Analysing Antibiotics Mini Quiz DNA The Human Genome (Triple only) Mitosis and the cell cycle Incredible stem cells Therapeutic cloning Cloning plants Cloning animals (Triple only)	Topic: Communicable Diseases Knowledge: Viral diseases Bacterial diseases Fungal and protists Our barriers to diseases The immune system Vaccinations Medicines Antibiotic resistance Developing new drugs (part 1) Developing new drugs (part 2) Monoclonal antibodies (Triple only) Scatter Graphs and Health Frequency tables and histograms Analysis data Mini Quiz Plant diseases (Triple only) Parts of the brain (Triple only) Brain Surgery (Triple only)

	<p>elements Naming apparatus Selecting appropriate apparatus Explaining why certain apparatus is used Accuracy (comparison to true value) Select the best hypothesis based on results</p>	<p>RP: Soluble Salts RP: Titrations part 1 (Triple only) RP Titrations part 2 (Triple only) Testing for ions (Triple only) RP: Testing for ions part 1 (Triple only) RP: Testing for ions part 2 (Triple only) Atom economy (Triple only) Percentage yield (Triple only) Reacting masses (Triple only) Reactivity series and displacement reactions Ionic half equations for displacement (Triple only) Reactivity series and extraction methods Electrolysis of molten compounds (Triple only) Electrolysis of aqueous compounds (Triple only) RP: Electrolysis part 1 (Triple only) RP: Electrolysis part 2 (Triple only) Skills: Writing a method Reproducibility and repeatability Following a given method Following a given risk assessment</p>	<p>sound Measuring period of a wave RP: Measuring speed of a wave using a ripple tank EM Spectrum Radios (Triple only) RP: Investigating IR radiation (Triple only) Sound waves (Triple only) Uses of sound waves (Triple only) Reflection of light (Triple only) Refraction of light (Triple only) RP: Investigating reflection and refraction of light Lenses (Triple only) Magnification (Triple only) Colour (Triple only) Skills: Independent, dependent and control variables Explaining differences between waves Stating the resolution Using a manual or digital scale Explaining why certain apparatus is used Bar chart</p>	<p>Moments (Triple only) Levers and gears (Triple only) Static electricity (Triple only) Electric field patterns (Triple only) Sound waves (Triple only) Uses of sound waves for detection and exploration (Triple only) Magnets Magnetic fields Electromagnets Skills: Using a manual or digital scale Rearranging and using equations Stating the resolution Explaining why certain apparatus is used Sketch graph Using a manual or digital scale Making predictions from data Range electrolyte Gradient Area under a graph</p>	<p>Asexual reproduction Sexual Reproduction and Meiosis Sexual vs asexual reproduction Examples of unusual reproduction Inheritance (genetic cross diagrams) Family trees Genetic diseases and sex determination Protein Synthesis (Triple only) Skills: Writing instructions Calculate uncertainty Creating own hypothesis Making scientific drawings Evaluating stem cells Explaining why certain apparatus is used</p>	<p>The Eye (Triple only) Myopia and hyperopia (Triple only) Skills: Plot and interpret scatter graphs showing data about health and diseases Analyse data health from frequency tables and histograms Using a given result table</p>
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		<p>Writing a risk assessment (hazards, risks, precautions) Explaining properties of types of bonding Reproducibility and repeatability</p>				
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Year 10

Topics covered in year 9 2018/19

Topics covered in year 9 2018/19					
<p>Topic: Chemistry Fundamentals Knowledge: Changing states of matter Atoms and elements Compounds and formulae Pure substances and solutions Separation techniques RP: Chromatography Changing Atomic Theories Protons, Neutrons and Electrons Electron configuration Isotopes and relative atomic mass The periodic table The modern periodic table Mini Quiz Metals and non-metals Uses of metals Corrosion (Triple only) Corrosion prevention (Triple only) Transition metals (Triple only) Typical properties (Triple only) Alloys Properties and uses of alloys (Triple only) Alkali metals Halogens Noble Gases Gas tests Skills: Calculate the number of protons, neutrons and electrons for different</p>	<p>Topic: Investigative Chemistry Knowledge: Ionic bonding part 1 Ionic bonding part 2 Properties of ionic bonding Covalent bonding Properties of covalent structures Giant covalent structures Nanoparticles (Triple only) Metallic Bonding Comparing and contrasting types of bonding Word and symbol equations Balancing equations Conservation of mass Metals and oxygen Metals and acid Metals and water Redox reactions (Triple only) Acids and bases Acids - weak and strong (Triple only) Neutralisation RP: Soluble Salts RP: Titrations part 1 (Triple only) RP Titrations part 2 (Triple only) Testing for ions (Triple only) RP: Testing for ions part 1 (Triple only) RP: Testing for ions part 2 (Triple only)</p>	<p>Topic: Physics - Energy and Waves Knowledge: Types of energy and energy transfers Open and closed systems Insulation RP: Investigating thermal insulators (Triple only) Non-renewable resources Renewable resources Comparison of energy resources Work done Power Efficiency calculations Gravitational potential energy Kinetic energy Elastic potential energy RP: Relationship between force and extension Mini Quiz Introduction to waves Waves equation Measuring speed of sound Measuring period of a wave RP: Measuring speed of a wave using a ripple tank EM Spectrum Radios (Triple only) RP: Investigating IR radiation (Triple only) Sound waves (Triple only) Uses of sound waves (Triple only) Reflection of light (Triple only)</p>	<p>Topic: Cell Biology Knowledge: Types of cells Specialised cells Tissues, organs and systems Introducing microscopes RP: Using Microscopes Types of microscope Multiplying bacteria (Triple only) Culturing microorganisms RP: Investigating Antiseptics (part 1) RP: Investigating antiseptics (part 2) Analysing Antibiotics Mini Quiz DNA The Human Genome (Triple only) Mitosis and the cell cycle Incredible stem cells Therapeutic cloning Cloning plants Cloning animals (Triple only) Asexual reproduction Sexual Reproduction and Meiosis Sexual vs asexual reproduction Examples of unusual reproduction Inheritance (genetic cross diagrams) Family trees Genetic diseases and sex determination</p>	<p>Topic: Communicable Diseases Knowledge: Viral diseases Bacterial diseases Fungal and protists Our barriers to diseases The immune system Vaccinations Medicines Antibiotic resistance Developing new drugs (part 1) Developing new drugs (part 2) Monoclonal antibodies (Triple only) Scatter Graphs and Health Frequency tables and histograms Analysis data Mini Quiz Plant diseases (Triple only) Parts of the brain (Triple only) Brain Surgery (Triple only) The Eye (Triple only) Myopia and hyperopia (Triple only) Skills: Plot and interpret scatter graphs showing data about health and diseases Analyse data health from frequency tables and histograms Using a given result table</p>	<p>Topic: Electricity and Astrophysics Knowledge: Electrical Circuits Introduction Calculating current Current in circuits Potential Difference in circuits Resistance in circuits RP: Factors affecting resistance Ohm's Law Light Dependent Resistors Thermistors RP: investigating non-ohmic conductors Mini Quiz Mains electricity and AC & DC Plugs Power calculations Work done calculations Equations practice National Grid and Transformers Transformers structure and equation (Triple only) Transformers power equation (Triple only) Solar System (Triple only) Life Cycle of a star (Triple only) Orbits (Triple only) Orbits 2 (Triple only) Red Shift and Expanding Universe (Triple only) The Big Bang Theory (Triple only)</p>

<p>elements Naming apparatus Selecting appropriate apparatus Explaining why certain apparatus is used Accuracy (comparison to true value) Select the best hypothesis based on results</p>	<p>Atom economy (Triple only) Percentage yield (Triple only) Reacting masses (Triple only) Reactivity series and displacement reactions Ionic half equations for displacement (Triple only) Reactivity series and extraction methods Electrolysis of molten compounds (Triple only) Electrolysis of aqueous compounds (Triple only) RP: Electrolysis part 1 (Triple only) RP: Electrolysis part 2 (Triple only) Skills: Writing a method Reproducibility and repeatability Following a given method Following a given risk assessment Writing a risk assessment (hazards, risks, precautions) Explaining properties of types of bonding Reproducibility and repeatability</p>	<p>Refraction of light (Triple only) RP: Investigating reflection and refraction of light Lenses (Triple only) Magnification (Triple only) Colour (Triple only) Skills: Independent, dependent and control variables Explaining differences between waves Stating the resolution Using a manual or digital scale Explaining why certain apparatus is used Bar chart</p>	<p>Protein Synthesis (Triple only) Skills: Writing instructions Calculate uncertainty Creating own hypothesis Making scientific drawings Evaluating stem cells Explaining why certain apparatus is used</p>		<p>Dark Mass and Dark Energy (Triple only) Black bodies (Triple only) Radiation and the Earth (Triple only) Skills: Draw electrical circuits and circuit symbols. Using and rearranging equations Naming apparatus Using a manual or digital scale Sketch graph Suggest explanations for the conclusion</p>
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Year 10 2019/20							
HT1	HT2			HT3	HT4	HT5	HT6
Topic: Human Biology Knowledge: Aerobic respiration Anaerobic respiration Fermentation The lungs The heart Blood vessels and blood flow Composition of blood Cardiovascular diseases Mini Quiz Disease data 1 Disease data 2 Digestion Enzymes RP: Testing for food groups RP: pH and Enzymes Reaction rates in the body Diffusion Kidneys and the function (Triple only) Kidneys and ADH (Triple only) Dissections and Data (Triple only) Diffusion and Surface area Diffusion in action Skills: Spotting errors (random, systematic, zero errors) Identifying trends in data from graphs.	Topic: Nuclear Physics, Radiation and Magnetism Knowledge: Atomic physics Radioactive decay The three types of decay Nuclear equations Half life Half life calculations Contamination and Irradiation Uses of radiation Background radiation Evaluating hazards Radiation Exam Questions Mini Quiz (needs to be updated) Nuclear Fission and Fusion (Triple only) Particle model - density and states RP: Calculating density Changes of state Heating and temperature Pressure in gases Work done and pressure (Triple only) Calculating Pressure (Triple only) Pressure at different depths (Triple only) Floating and sinking (Triple only) The Atmosphere	Topic: Reacting Substances Knowledge: Exothermic and endothermic reactions RP Temperature Changes Reaction profiles Bond energies Chemical cells and voltage Rechargeable and non-rechargeable batteries Fuel Cells (Triple only) Half equations for fuel cells (Triple only) Measuring the rate of reaction Factors affecting rates of reaction Drawing rates of reaction graphs RP: Factors affecting rates of reaction Catalysts Mini Quiz Reversible reactions Chatelier Principle (Triple only) Factors affecting equilibrium (Triple only) Word equations	Transition to oasis curriculum	Topic: Evolution and Systems Knowledge: Natural selection and evolution Evolutionary trees Selective breeding Genetic engineering and modification The nervous system Reflex arcs RP: Investigating human reaction time Homeostasis Thermoregulation (Triple only) Mini Quiz The Endocrine system Negative feedback loops (Triple only) Controlling glucose Controlling water (Triple only) Diabetes Hormones and the Menstrual cycle Contraception Embryo screening IVF (Triple only) Comparing nervous and hormonal responses Skills: Comparing two different processes Spotting anomalies and reasons for them Spotting errors (random, systematic, zero errors) Reasons for random, systematic and zero errors)	Topic: Organic Chemistry & polymers Knowledge: Crude Oil Alkanes Alkenes Bromine Test Fractional Distillation The Fractions Cracking 1 Cracking 2 Ceramics (D only) Polymers (D only) Thermosetting and thermosoftening (D only) Glass (D only) Reducing our human impact (D only) Organic Compound diagrams (Triple only) Alkene reactions 1 (Triple only) Alkene reactions 2 (Triple only) The Alcohols (Triple only) Alcohol reactions (Triple only) Fermentation (Triple only) Carboxylic acid reactions (Triple	Topic: Forces Knowledge: Scalar and vector quantities Types of forces Weight Resultant forces Vector diagrams Speed and velocity Circular motion Distance time graphs Acceleration and deceleration Velocity time graphs Terminal Velocity Newton's first law Newton's second law Inertia and inertial mass (Triple only) RP: Investigate Newton's Second Law of motion Newton's third law Stopping distances Energy	Topic: Reacting Substances Knowledge: Exothermic and endothermic reactions RP Temperature Changes Reaction profiles Bond energies Chemical cells and voltage Rechargeable and non-rechargeable batteries Fuel Cells (Triple only) Half equations for fuel cells (Triple only) Measuring the rate of reaction Factors affecting rates of reaction Drawing rates of reaction graphs RP: Factors affecting rates of reaction Catalysts Mini Quiz Reversible reactions Chatelier Principle (Triple only) Factors affecting equilibrium (Triple only) Word equations

<p>Independent, dependent and control</p>	<p>(Triple only) Mini Quiz Specific heat capacity RP: Investigating specific heat capacity Latent heat Heating and cooling graphs Skills: Drawing magnetic fields. Calculating half-life Using a manual or digital scale</p>	<p>and conservation of mass (D only) Relative Formula Mass (D only) Atom economy (D only) Percentage Yield (D only) Reacting Masses (D only) Calculating mass of a solute Calculating moles in a solution (Triple only) Using titration to calculate concentration (Triple only) RP: Titrations Part 1 RP: Titrations Part 2 Explaining concentration (Triple only) Calculating gas volume from relative formula mass (Triple only) Calculating gas volumes from balanced equations (Triple only) Skills: Drawing graphs Drawing lines of best fit Calculating rates of reaction Calculations involving moles, mass and Mr</p>		<p>Issues and improvements of method Histogram Frequency Table</p>	<p>only) Carboxylic acid and water (Triple only) Esters (Triple only) Addition Polymerisation (Triple only) Condensation Polymerisation (Triple only) Amino Acids and Polymerisation (Triple only) Polymers in food (Triple only) Skills: Testing for different chemicals. Writing balanced symbol equations Describing different steps in a process</p>	<p>transfers in stopping Momentum (Triple only) Momentum calculations (Triple only) Moments (Triple only) Levers and gears (Triple only) Static electricity (Triple only) Electric field patterns (Triple only) Sound waves (Triple only) Uses of sound waves for detection and exploration (Triple only) Magnets Magnetic fields Electromagnets Skills: Using a manual or digital scale Rearranging and using equations Stating the resolution Explaining why certain apparatus is used Sketch graph Using a manual or digital scale Making</p>	<p>and conservation of mass (D only) Relative Formula Mass (D only) Atom economy (D only) Percentage Yield (D only) Reacting Masses (D only) Calculating mass of a solute Calculating moles in a solution (Triple only) Using titration to calculate concentration (Triple only) RP: Titrations Part 1 RP: Titrations Part 2 Explaining concentration (Triple only) Calculating gas volume from relative formula mass (Triple only) Calculating gas volumes from balanced equations (Triple only) Skills: Drawing graphs Drawing lines of best fit Calculating rates of reaction Calculations involving moles,</p>
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		Stating the resolution Spotting anomalies and reasons for these Tangents				predictions from data Range electrolyte Gradient Area under a graph	mass and Mr Stating the resolution Spotting anomalies and reasons for these Tangents
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Year 11 2020/2011

HT1	HT2	HT3	HT4	HT5
<p>Topic: Plant Biology Knowledge: Food webs Predator and prey graphs Ecological Sampling techniques RP: Quadrats Distribution patterns Pyramids of biomass and trophic levels Decomposers (Triple only) Plant cells, tissues and organs Osmosis RP: Osmosis 1 RP: Osmosis 2 Active transport Transpiration & Translocation Transpiration investigation Photosynthesis RP: Photosynthesis Using glucose and nitrogen in plants Limiting factors (Triple only) Inverse square law (Triple only) Mini Quiz Tropisms (Triple only) Plant hormones (Triple only) RP: Germination 1 (Triple only) RP: Germination 2 (Triple only) Carbon Cycle Water cycle Decay (Triple only)</p>	<p>Topic: Humans and the Earth Knowledge: The Early Earth's Atmosphere Theories of the atmosphere The Greenhouse Effect Effects of global warming Reducing our carbon footprint The Harmful Effects of Combustion Resources used by humans Sustainable development Potable Water Desalination Evaluating potable water methods RP Analysing water samples Waste Water Sewage Treatment Mini Quiz Phytomining and bioleaching Life Cycle Assessment Reduce, Reuse, Recycle Ceramics (Triple only) Polymers (Triple only) Thermosetting and thermosetting polymers (Triple only) Glass (Triple only) Reducing our human impact (Triple only) The Haber process 1 (Triple only)</p>	<p>Topic: Application of forces Knowledge: Magnets Magnetic fields Electromagnets The Motor Effect (Flemings' left hand rule) Magnetic Flux Density (Triple only) Generating electricity Radio waves (Triple only) Sound waves (Triple only) Uses of sound waves (Triple only) Applications of the motor effect and generator effect (Triple only) National Grid and Transformers (Triple only) Transformer structure (Triple only) Transformer power equation (Triple only) Skills: Analysing graphs Using a manual or digital scale Significant figures and rounding Calculate gradients Selecting appropriate apparatus Significant figures and</p>	<p>Consolidation</p>	<p>Consolidation</p>

<p>Biogas generators (Triple only) RP: Decay part 1 (Triple only) RP: Decay part 2 (Triple only) Biodiversity and human impact Maintaining biodiversity Food security (Triple only) Skills: Creating own hypothesis Writing a method for ecological techniques Calibrating apparatus Categoric or continuous x-intercepts Median/Mode Scattergraph Using a scale Use and explain sampling techniques</p>	<p>Conditions graphs (Triple only) The Haber process 2 (Triple only) NPK Fertilisers Skills: Writing instructions Evaluating theories of how the atmosphere has changed Describing the effect of different factors on chemical processes e.g. Haber process Suggest explanations for the conclusion</p>	<p>rounding</p>			
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