



## Year 10 'Making Progress' Booklet

Name: \_\_\_\_\_

Form: \_\_\_\_\_

Use the Subject pages in this booklet to help you make even more progress in each of the subjects you study.

Complete the tasks linked to the topics you have covered each term. You may want to focus on the topics you have found most difficult.

You can also complete the tasks if you would just like to do more work for a particular topic you have studied and enjoyed this year in order to make even more progress.

Subject:	GCSE English (Lit / Lang)	Key Stage 4: Year 10
<b>Autumn Term</b>		
Topic	What you will learn	How you can improve further
<b>A Christmas Carol</b>	<ul style="list-style-type: none"> <li>- Plot, themes and characterisation</li> <li>- Exam style responses: writing about an extract and the novella as a whole</li> </ul>	<ul style="list-style-type: none"> <li>- Listen to the audio book of 'A Christmas Carol'</li> <li>- Complete Seneca tasks</li> <li>- Watch Massolit videos</li> </ul>
<b>English Language Paper 1 &amp; 2</b>	<ul style="list-style-type: none"> <li>- The theme of 'Education'</li> <li>- Language analysis; structure analysis; evaluation; comparison; writing to describe; descriptive writing; narrative writing; writing to give a viewpoint</li> </ul>	<ul style="list-style-type: none"> <li>- Reading widely at home: newspapers, online, fiction and non-fiction</li> <li>- Completing all homework</li> <li>- Re-doing any exam style answers you find hard</li> </ul>
<b>Spring Term</b>		
Topic	What you will learn	How you can improve further
<b>Romeo &amp; Juliet</b>	<ul style="list-style-type: none"> <li>- Plot, themes and characterisation</li> <li>- Exam style responses: wiring about an extract and the novella as a whole</li> </ul>	<ul style="list-style-type: none"> <li>- Listen to the audio book of A Christmas Carol</li> <li>- Complete Seneca tasks</li> <li>- Watch Massolit videos</li> </ul>
<b>English Language Paper 1 &amp; 2</b>	<ul style="list-style-type: none"> <li>- The theme of 'Adventure and Exploration'</li> <li>- Language analysis; structure analysis; evaluation; comparison; writing to describe; descriptive writing; narrative writing; writing to give a viewpoint</li> </ul>	<ul style="list-style-type: none"> <li>- Reading widely at home: newspapers, online, fiction and non-fiction</li> <li>- Completing all homework</li> <li>- Re-doing any exam style answers you find hard</li> </ul>
<b>Summer Term</b>		
Topic	What you will learn	How you can improve further
<b>Romeo &amp; Juliet</b>	<ul style="list-style-type: none"> <li>- Plot, themes and characterisation</li> <li>- Exam style responses: wiring about an extract and the novella as a whole</li> </ul>	<ul style="list-style-type: none"> <li>- Listen to the audio book of A Christmas Carol</li> <li>- Complete Seneca tasks</li> <li>- Watch Massolit videos</li> </ul>
<b>English Language Paper 1 &amp; 2</b>	<ul style="list-style-type: none"> <li>- The theme of 'The Environment'</li> <li>- Language analysis; structure analysis; evaluation; comparison; descriptive writing; narrative writing; writing to give a viewpoint</li> </ul>	<ul style="list-style-type: none"> <li>- Reading widely at home: newspapers, online, fiction and non fiction</li> <li>- Completing all homework</li> <li>- Complete past papers</li> </ul>
<b>Key words</b>	simile, metaphor, semantic field, personification, pathetic fallacy, noun, verb , adjective, alliteration, rule of three, anecdotes, repetition, direct address, statistics, emotive language, rule of three/triples, analysis, evaluation, evaluative, methods, tragedy, novella, play, poetry.	
<b>Useful links</b>	<a href="https://www.aqa.org.uk/subjects/english/gcse">https://www.aqa.org.uk/subjects/english/gcse</a> <a href="https://senecalearning.com/en-GB/">https://senecalearning.com/en-GB/</a> <a href="https://www.massolit.io">https://www.massolit.io</a> <a href="https://www.gcsepod.com">https://www.gcsepod.com</a>	

<b>Subject:</b>	<b>Mathematics (Foundation)</b>	<b>Key Stage 4: Year 10</b>
<b>Autumn Term</b>		
<b>Topic</b>	<b>What you will learn</b>	<b>How you can improve further</b>
<b>Algebra Manipulation</b> <b>Working with Quadratics</b> <b>Cubic and Reciprocal Graphs</b>	<ul style="list-style-type: none"> <li>How to expand brackets and factorise into them.</li> <li>Collect like-terms and simplify algebraic expressions.</li> <li>Plot and recognise quadratic, cubic and reciprocal graphs.</li> </ul>	<ul style="list-style-type: none"> <li>Use Sparx to complete independent practice and XP boost.</li> <li>Use Corbettmaths and Mathsgenie to find exam-style questions. Use the tutorial videos to help!</li> <li>Attend Homework Helpdesk after-school on a Thursday for extra support</li> </ul>
<b>Algebraic Proportion</b> <b>Straight-Line graphs</b>	<ul style="list-style-type: none"> <li>Use algebraic equations to represent direct and inverse proportion.</li> <li>Plot, recognise and interpret straight-line graphs.</li> </ul>	
<b>Spring Term</b>		
<b>Topic</b>	<b>What you will learn</b>	<b>How you can improve further</b>
<b>Simultaneous Equations</b> <b>Linear inequalities</b>	<ul style="list-style-type: none"> <li>Solve simultaneous equations by elimination.</li> <li>Form equations and solve.</li> <li>Solve linear inequalities and represent solutions on a number line.</li> </ul>	<ul style="list-style-type: none"> <li>Use Sparx to complete independent practice and XP boost.</li> <li>Use Corbettmaths and Mathsgenie to find exam-style questions. Use the tutorial videos to help!</li> <li>Attend Homework Helpdesk after-school on a Thursday for extra support.</li> <li>Revise content covered in the first term to check you have a secure understanding of what has been taught so far.</li> </ul>
<b>Upper and Lower Bounds</b> <b>Angle Properties and Problem Solving</b>	<ul style="list-style-type: none"> <li>Find the upper and lower bound after rounding or truncation has taken place.</li> <li>Use angle properties to find missing angles. Know parallel line properties and triangle properties.</li> </ul>	
<b>Summer Term</b>		
<b>Topic</b>	<b>What you will learn</b>	<b>How you can improve further</b>
<b>Circle Area and Circumference</b> <b>Volume and Surface Area</b> <b>Pythagoras' Theorem and Trigonometry</b>	<ul style="list-style-type: none"> <li>Find the area and circumference of circles and sectors.</li> <li>Use formulae to find the volume and surface area of complex solids.</li> <li>Use Pythagoras' Theorem or trigonometry to find missing sides or angles.</li> </ul>	<ul style="list-style-type: none"> <li>Use Sparx to complete independent practice and XP boost.</li> <li>Use Corbettmaths and Mathsgenie to find exam-style questions. Use the tutorial videos to help!</li> <li>Attend Homework Helpdesk after-school on a Thursday for extra support.</li> <li>Create and stick to a revision timetable to prepare for the end of Year 10 mock exam.</li> <li>Past papers can be found on mathsgenie or onmaths.</li> </ul>
<b>Averages and the Range for Continuous Data</b> <b>Sequences</b>	<ul style="list-style-type: none"> <li>Draw and interpret frequency tables.</li> <li>Use ungrouped and grouped frequency tables to find averages.</li> <li>Find the nth term of a sequence and use to find missing terms.</li> </ul>	
<b>Key words</b>	Quadratic, reciprocal, cubic, gradient, intercept, upper bound, lower bound, inequality, simultaneous, adjacent, opposite, hypotenuse, term, circumference, Pi.	
<b>Useful links</b>	SPARX, Google Classroom, <a href="https://corbettmaths.com/">https://corbettmaths.com/</a> , <a href="https://www.mathsgenie.co.uk/">https://www.mathsgenie.co.uk/</a> , <a href="https://www.onmaths.com/">https://www.onmaths.com/</a>	

Subject:	Mathematics (Higher)	Key Stage 4: Year 10
<b>Autumn Term</b>		
Topic	What you will learn	How you can improve further
<b>Quadratic Equations</b>  <b>Cumulative Frequency and Histograms</b>	<ul style="list-style-type: none"> <li>Expand and factorise quadratic equations.</li> <li>Expand three brackets.</li> <li>Plot and interpret cumulative frequency graphs and histograms.</li> </ul>	<ul style="list-style-type: none"> <li>Use Sparx to complete independent practice and XP boost.</li> <li>Use Corbettmaths and Mathsgenie to find exam-style questions. Use the tutorial videos to help!</li> <li>Attend Homework Helpdesk after-school on a Thursday for extra support.</li> </ul>
<b>Finding solutions using Graphs</b>  <b>Algebraic Proportion</b>	<ul style="list-style-type: none"> <li>Use the sign-change method to identify where a solution could be.</li> <li>Use iterative methods to find the solution to a given degree of accuracy.</li> <li>Use algebraic equations to represent direct and inverse proportion.</li> </ul>	
<b>Spring Term</b>		
Topic	What you will learn	How you can improve further
<b>Completing the Square and the Quadratic Formula</b>  <b>Graphical Inequalities</b>	<ul style="list-style-type: none"> <li>Complete the square to solve a quadratic or find the turning point of the graph.</li> <li>Use the quadratic formula to find solutions to a quadratic equation.</li> <li>Plot inequalities and shade regions which represent solutions.</li> </ul>	<ul style="list-style-type: none"> <li>Use Sparx to complete independent practice and XP boost.</li> <li>Use Corbettmaths and Mathsgenie to find exam-style questions. Use the tutorial videos to help!</li> <li>Attend Homework Helpdesk after-school on a Thursday for extra support.</li> <li>Revise content covered in the first term to check you have a secure understanding of what has been taught so far.</li> </ul>
<b>Upper and Lower Bounds</b>  <b>Circle Theorems</b>	<ul style="list-style-type: none"> <li>Find the upper and lower bound after rounding or truncation has taken place.</li> <li>Use Circle theorems to find missing angles.</li> </ul>	
<b>Summer Term</b>		
Topic	What you will learn	How you can improve further
<b>Rearranging Equations</b> <b>Volume and Surface area of 3D Solids</b>  <b>Non-Right-Angled Trigonometry</b>	<ul style="list-style-type: none"> <li>Rearrange equations and complex formulae.</li> <li>Use formulae to find the volume and surface area of complex solids.</li> <li>Find missing angles and sides using non-right-angled trigonometry.</li> </ul>	<ul style="list-style-type: none"> <li>Use Sparx to complete independent practice and XP boost.</li> <li>Use Corbettmaths and Mathsgenie to find exam-style questions. Use the tutorial videos to help!</li> <li>Attend Homework Helpdesk after-school on a Thursday for extra support.</li> <li>Create and stick to a revision timetable to prepare for the end of Year 10 mock exam.</li> <li>Past papers can be found on mathsgenie or onmaths.</li> </ul>
<b>Problem Solving with Graphs of Continuous Data</b>  <b>Quadratic Sequences</b>	<ul style="list-style-type: none"> <li>Solve problems involving cumulative frequency, histograms and boxplots.</li> <li>Find the nth term of a quadratic sequence.</li> </ul>	
<b>Key words</b>	Quadratic, reciprocal, cubic, gradient, intercept, upper bound, lower bound, inequality, simultaneous, adjacent, opposite, hypotenuse, term, subtended, cyclic quadrilateral, histogram, cumulative, box plot, iterative.	
<b>Useful links</b>	SPARX, Google Classroom, <a href="https://corbettmaths.com/">https://corbettmaths.com/</a> , <a href="https://www.mathsgenie.co.uk/">https://www.mathsgenie.co.uk/</a> , <a href="https://www.onmaths.com/">https://www.onmaths.com/</a>	

Subject:	GCSE Science (Biology)	Key Stage 4: Year 10
<b>Autumn Term</b>		
Topic	What you will learn	How you can improve further
<b>Organising Animals</b>  <b>Organising plants &amp; photosynthesis</b>	Circulatory system / Heart structure / Issues with the heart / Issues with blood vessels / Breathing & Gas Exchange Plant tissues & transport / Leaf structure & transpiration / Rate of transpiration / Photosynthesis / Uses of glucose / Limiting & enhancing photosynthesis	Use Seneca to revise this topic and previous topics on cells and the digestive system. Make notes and flash cards while doing so.
<b>Communicable disease, prevention &amp; treatment</b>	Health & disease / Pathogens & transmission / Preventing infections / Viral & bacterial diseases / Fungal & protist diseases / Non -specific defences / Immunity / Vaccination / Antibiotics & Painkillers / Discovering & Developing Drugs	Practice past exam questions from the Cognito website on this topic and previous topics
<b>Spring Term</b>		
Topic	What you will learn	How you can improve further
<b>Non-communicable disease</b>	NC Disease & Cancer / Smoking / Diet & Exercise & disease / Alcohol & other carcinogens	Watch videos from the Cognito website on this topic and previous topics, making notes and flash cards while doing so.
<b>Respiration</b>  <b>The nervous system</b>	Aerobic respiration / Response to exercise / Anaerobic respiration / Metabolism & the liver Principles of homeostasis / NS structure / Reflex action / RP Reaction time <b>Triple only: The brain / The eye / Eye problems</b>	Watch videos on the required practicals that we have completed so far, (microscopy, osmosis, enzymes, food tests) making notes and flash cards as you do so.
<b>Summer Term</b>		
Topic	What you will learn	How you can improve further
<b>Hormonal communication</b>  <b>Homeostasis in action (Triple only)</b>	Principles of hormonal communication / Control of blood glucose / Treating diabetes / Negative feedback / Human reproduction / Hormones & menstrual cycle / Control of fertility <b>Triple only: Plant hormone / Using plant hormones / RP Effect of light or gravity on seedling growth</b> <b>Controlling body temperature / Removing waste products / The human kidney / Dialysis / Kidney transplants</b>	Use Seneca to revise this topic and previous topics on cells and the digestive system. Make notes and flash cards while doing so.
<b>Reproduction &amp; inheritance</b>	Types of reproduction / Meiosis & fertilisation / <b>The best of both worlds (Triple only)</b> / DNA & the genome	Practice past exam questions from the Cognito website on this topic and previous topics
<b>Key words</b>	Circulation / transpiration / photosynthesis / pathogen / antibiotic / cancer / carcinogen / aerobic respiration / anaerobic respiration / homeostasis / reaction time / hormone / negative feedback / meiosis / genome	
<b>Useful links</b>	<a href="https://senecalearning.com/en-GB/">https://senecalearning.com/en-GB/</a> <a href="https://cognitoresources.org/resources/qcse/qsbytopic/biology/aqa">https://cognitoresources.org/resources/qcse/qsbytopic/biology/aqa</a> <a href="https://www.youtube.com/@Cognitoedu">https://www.youtube.com/@Cognitoedu</a> <a href="https://www.youtube.com/@biologypracticalsandrevisi8066">https://www.youtube.com/@biologypracticalsandrevisi8066</a>	

Subject:	GCSE Science (Chemistry)	Key Stage 4: Year 10
<b>Autumn Term</b>		
Topic	What you will learn	How you can improve further
<b>Structure and bonding</b>	<ul style="list-style-type: none"> <li>• Chemical bonds</li> <li>• Ionic bonding</li> <li>• Ionic compounds</li> <li>• Covalent bonding</li> <li>• Metallic bonding</li> </ul>	<ul style="list-style-type: none"> <li>• Tassomai</li> <li>• Physics Maths Tutor</li> <li>• Kerboodle Questions</li> </ul>
<b>Chemical Change Pt 1</b>	<ul style="list-style-type: none"> <li>• Metal oxides</li> <li>• The reactivity series</li> <li>• Extraction of metals and reduction</li> <li>• Reactions of acids with metals</li> <li>• Soluble salts (including Required Practical Activity 1)</li> <li>• The pH scale and neutralisation</li> </ul>	<ul style="list-style-type: none"> <li>• Tassomai</li> <li>• Physics Maths Tutor</li> <li>• Kerboodle Questions</li> </ul>
<b>Spring Term</b>		
Topic	What you will learn	How you can improve further
<b>Chemical Change Pt 2</b>	<ul style="list-style-type: none"> <li>• The process of electrolysis</li> <li>• Electrolysis of molten ionic compounds. Using electrolysis to extract metals.</li> <li>• Electrolysis of aqueous solutions.</li> <li>• Representation of reactions at electrodes as half equations</li> </ul>	<ul style="list-style-type: none"> <li>• Tassomai</li> <li>• Physics Maths Tutor</li> <li>• Kerboodle Questions</li> </ul>
<b>Energy the Rates</b>	<ul style="list-style-type: none"> <li>• Energy transfer during exothermic and endothermic reactions</li> <li>• Reaction profiles, the energy change of reactions</li> </ul>	<ul style="list-style-type: none"> <li>• Tassomai</li> <li>• Physics Maths Tutor</li> <li>• Kerboodle Questions</li> </ul>
<b>Summer Term</b>		
Topic	What you will learn	How you can improve further
<b>Rates</b>	<ul style="list-style-type: none"> <li>• Calculating rates of reaction, Factors which affect the rates of chemical reactions. Collision theory and activation energy &amp; Catalysts</li> </ul>	<ul style="list-style-type: none"> <li>• Tassomai</li> <li>• Physics Maths Tutor</li> <li>• Kerboodle Questions</li> </ul>
<b>Rates/ Equilibrium</b>	<ul style="list-style-type: none"> <li>• Reversible reactions</li> <li>• Energy changes and reversible reactions</li> <li>• Equilibrium</li> </ul>	<ul style="list-style-type: none"> <li>• Tassomai</li> <li>• Physics Maths Tutor</li> <li>• Kerboodle Questions</li> </ul>
<b>Key words</b>	atomic structure, nucleus, electron, proton, neutron, shell, isotope, bonding, covalent, ionic, metallic, hydrogen, electrolysis, electrolyte, anode, cathode, oxidation, reduction, endothermic, absorption, energy, reaction, exothermic, release, energy, reaction, acid, alkali, salt, neutralisation, metal, ion, charge.	
<b>Useful links</b>	Physics Maths Tutor <a href="https://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/">https://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/</a> Practice Kerboodle Questions <a href="https://drive.google.com/drive/folders/16uTEe5Vw9wgtN72Q0X-2wmTygpRN2yJ9?usp=sharing">https://drive.google.com/drive/folders/16uTEe5Vw9wgtN72Q0X-2wmTygpRN2yJ9?usp=sharing</a>	

Subject:	GCSE Science (Physics)	Key Stage 4: Year 10
<b>Autumn Term</b>		
Topic	What you will learn	How you can improve further
<b>Energy</b>	<ul style="list-style-type: none"> <li>• Energy Stores and Transfers</li> <li>• GPE and KE</li> <li>• Power</li> <li>• Conservation of energy and efficiency.</li> <li>• Insulation and specific heat capacity.</li> </ul>	<p><b>Practise exam questions on <a href="https://www.physicsandmathstutor.com">physicsandmathstutor.com</a></b>  <a href="https://www.physicsandmathstutor.com/physics-revision/gcse-aqa/energy/">https://www.physicsandmathstutor.com/physics-revision/gcse-aqa/energy/</a></p>
<b>Electricity</b>	<ul style="list-style-type: none"> <li>• Energy Resources</li> <li>• Global energy issues</li> <li>• Static charge</li> <li>• Potential difference, current and charge</li> </ul>	<p><b>Practise exam questions on <a href="https://www.physicsandmathstutor.com">physicsandmathstutor.com</a></b>  <a href="https://www.physicsandmathstutor.com/physics-revision/gcse-aqa/electricity/">https://www.physicsandmathstutor.com/physics-revision/gcse-aqa/electricity/</a></p>
<b>Spring Term</b>		
Topic	What you will learn	How you can improve further
<b>Electricity</b>	<ul style="list-style-type: none"> <li>• Series and Parallel Circuits</li> <li>• Resistance</li> <li>• Circuit symbols</li> <li>• IV Graphs</li> <li>• Resistance in series and parallel circuits</li> <li>• Potential Dividers</li> </ul>	<p><b>Practise exam questions on <a href="https://www.physicsandmathstutor.com">physicsandmathstutor.com</a></b>  <a href="https://www.physicsandmathstutor.com/physics-revision/gcse-aqa/electricity/">https://www.physicsandmathstutor.com/physics-revision/gcse-aqa/electricity/</a></p>
<b>Particle Model</b>	<ul style="list-style-type: none"> <li>• Density</li> <li>• States of matter and internal energy</li> <li>• Heating and cooling curves</li> <li>• Specific heat capacity</li> <li>• Specific latent heat</li> </ul>	<p><b>Practise exam questions on <a href="https://www.physicsandmathstutor.com">physicsandmathstutor.com</a></b>  <a href="https://www.physicsandmathstutor.com/physics-revision/gcse-aqa/particle-model-of-matter/">https://www.physicsandmathstutor.com/physics-revision/gcse-aqa/particle-model-of-matter/</a></p>
<b>Summer Term</b>		
Topic	What you will learn	How you can improve further
<b>Particle Model and Atomic Structure</b>	<ul style="list-style-type: none"> <li>• Particle motion in gases and pressure law</li> <li>• Atoms, isotopes and ions.</li> <li>• Rutherford Scattering</li> <li>• Radioactive decay</li> <li>• Alpha, Beta and Gamma</li> <li>• Decay Equations</li> </ul>	<p><b>Practise exam questions on <a href="https://www.physicsandmathstutor.com">physicsandmathstutor.com</a></b>  <a href="https://www.physicsandmathstutor.com/physics-revision/gcse-aqa/atomic-structure/">https://www.physicsandmathstutor.com/physics-revision/gcse-aqa/atomic-structure/</a></p>
<b>Atomic Structure</b>	<ul style="list-style-type: none"> <li>• Half Life</li> <li>• Contamination and Irradiation</li> <li>• Radioactive source safety</li> </ul>	<p><b>Practise exam questions on <a href="https://www.physicsandmathstutor.com">physicsandmathstutor.com</a></b>  <a href="https://www.physicsandmathstutor.com/physics-revision/gcse-aqa/atomic-structure/">https://www.physicsandmathstutor.com/physics-revision/gcse-aqa/atomic-structure/</a></p>
<b>Key words</b>	Series, Parallel, Resistance, Component, Directly proportional, Resistance, Potential difference, Density, Volume, Solid, Liquid, Gas, Internal Energy, Particle, Specific heat capacity, Latent heat of fusion/vaporisation, Atom, Isotope, Ion, Ionisation, Nucleus, Unstable, Radiation, Radioactive, Decay, Random, Half Life, Contamination, Irradiation	
<b>Useful links</b>	<p>physicsandmathstutor.com to practise questions (<b>ABSOLUTELY ESSENTIAL</b>)            CenturyTech, Tassomai and Seneca for revision            GCSE Bitesize for revision, Save My Exams (paid option) recommended.            phet.colorado.edu has some good interactive animations and simulations for practicals</p>	

<b>Subject: GCSE Art</b>		<b>Key Stage 4: Year 10</b>
<b>Autumn Term</b>		
Topic	What you will learn	How you can improve further
<b>Foundation Unit 'Layers'</b>	<p>Introduction to GCSE course</p> <p>Idea development - mind mapping Sketchbook Presentation</p> <p>Basic skills: Watercolours, inks, acrylics, printmaking, tonal pencil, mixed media</p> <p>Individual Expression and Creativity: Abstract art, mark making, scraper paintings – Artist research</p>	<ul style="list-style-type: none"> <li>• Use 5 paragraph helpsheet to structure your analysis</li> <li>• Take an extra photoshoot and include this as a contact sheet in your sketchbook</li> <li>• Research other artists that you can use to inspire your ideas.</li> </ul>
<b>Foundation Unit 'Layers'</b>	<p>Extending Research and analysis skills</p> <p>Accuracy and technical skills with acrylic paint, oil paint, tonal pencil, tonal biro</p> <p>Further Presentation skills, layout, design</p>	<ul style="list-style-type: none"> <li>• Present work clearly in sketchbook- use exemplar images from the google classroom</li> <li>• Emphasise any new vocabulary used in bold text, use at least 3 new key words in your written work (see below)</li> </ul>
<b>Spring Term</b>		
Topic	What you will learn	How you can improve further
<b>Foundation Unit 'Layers'</b>	<p>Planning towards a final piece</p> <p>Responding to the work of others. Artist consolidation</p> <p>Producing own photography to use as reference images</p> <p>Practice and produce a final piece</p>	<ul style="list-style-type: none"> <li>• Read and respond to teacher feedback</li> <li>• Produce the same picture using 3 different techniques, e.g coloured pencil, pastels, paint</li> </ul>
<b>Coursework Unit 60%</b>	<p>Editing skills, e.g. layering, opacity, scale</p> <p>Image manipulation</p>	<ul style="list-style-type: none"> <li>• Read and respond to teacher feedback</li> <li>• Proofread (check) your written work and emphasise key vocabulary</li> </ul>
<b>Summer Term</b>		
Topic	What you will learn	How you can improve further
<b>Coursework Unit 60%</b>	<p>How to create a portfolio that demonstrates your ability to analyse sources and develop your own ideas creatively</p>	<ul style="list-style-type: none"> <li>• Use 5 paragraph helpsheet to structure your analysis</li> <li>• Create a series of 3 sketches linked to your theme</li> </ul>
<b>Coursework Unit 60%</b>	<p>Further development of practical (technical) and analytical skills</p> <p>How to develop your own ideas inspired by a range of sources</p>	<ul style="list-style-type: none"> <li>• Read and respond to teacher feedback</li> <li>• Produce the same picture using 3 different techniques, e.g coloured pencil, pastels, paint</li> </ul>
<b>Key words</b>	<p>IDEAS, links, inspiration, personal, informed, observed, creative, COMPOSITION, symmetrical, balanced, central, diagonal, vertical, horizontal, rule of thirds, overlapping, highlights, mid-tones, shadows, contrast, COLOUR: vivid, vibrant, neutral, muted, warm, cool, monochrome, complementary, PATTERN/TEXTURE/SURFACE: rough, smooth, uniform, irregular, scale, neat, precise, intricate, detailed, expressive, realistic, abstract, semi-abstract, dynamic, meaningful, MOOD / ATMOSPHERE: quirky, lively, positive, negative, mysterious, unusual</p>	
<b>Useful links</b>	<p>Google Classroom (your class page) Look on the google classroom for helpsheets and previous student work to inspire you. Art2day.co.uk <a href="http://www.tate.org.uk">www.tate.org.uk</a> Youtube (for artist/photographer videos)</p>	



<b>Subject:</b>	<b>BTEC Business Enterprise</b>	<b>Key Stage 4: Year 10</b>
<b>Autumn Term</b>		
Topic	What you will learn	How you can improve further
<b>Component 1 – Learning Aim A – Understand how and why enterprises and entrepreneurs are successful</b>	Size and Features of SME's Types of Profit Making Enterprises Business Sectors and Industries Aims and Objectives Impact of Business Activities Managing Resources Skills and Characteristics of Entrepreneurs	Complete Component 1 – Assessment 1 on Google Classroom. Complete Lesson Activities (application tasks) on Google Classroom (Lesson 0-Lesson 5)
<b>Component 1 – Learning Aim B – Market Research</b>	Primary Market Research Methods Secondary Market Research Methods Understanding Customer Needs Understanding Competitor Behaviour Competitive Advantage Suitability of Research Methods	Complete Component 1 – Assessment 2 on Google Classroom. Complete Lesson Activities (application tasks) on Google Classroom (Lesson 6- Lesson 9)
<b>Spring Term</b>		
Topic	What you will learn	How you can improve further
<b>Component 1 – Learning Aim C – Situational Analysis</b>	Political Factors Economic Factors Social Factors Technological Factors SWOT Analysis Strengths and Weaknesses Opportunities and Threats	Complete Component 1 – Assessment 2 on Google Classroom. Complete Lesson Activities (application tasks) on Google Classroom (Lesson 10 - Lesson 13)
<b>Component 1 – Pearson Set Assignment</b>	Time used to complete Component 1 PSA for May Submission	Time used to complete Component 1 PSA for May Submission.
<b>Summer Term</b>		
Topic	What you will learn	How you can improve further
<b>Component 2 – Learning Aim A – Choose an Idea and Present a Plan for a Micro Enterprise</b>	Choosing Ideas for a Micro enterprise Plan for a micro enterprise Features of the Product to be Sold Methods of Promotion Identifying Target Markets Resources Required Financial Planning (Break Even and Cash Flow) Profit and Loss Risk Assessments and Viability of Plan	Complete Component 2 – Assessment 1 on Google Classroom. Complete Lesson Activities (application tasks) on Google Classroom (Lesson 1 – Lesson 5)
<b>Key words</b>	Brand, Capital, Cash Flow, Enterprise, Innovation, Liability, Market, Profit, Revenue, Costs, Primary and Secondary Research, Unique Selling Point,	
<b>Useful links</b>	Specification - <a href="https://qualifications.pearson.com/en/qualifications/btec-tech-awards/enterprise-2022.html">https://qualifications.pearson.com/en/qualifications/btec-tech-awards/enterprise-2022.html</a> Google Classroom – Resources, Activities, Assessments	

Subject:	GCSE Business	Key Stage 4: Year 10
<b>Autumn Term</b>		
Topic	What you will learn	How you can improve further
<b>1.1 – Enterprise and Entrepreneurship</b>	1.1.1 – The Dynamic Nature of Business 1.1.2 – Risk and Reward 1.1.3 – The role of Business Enterprise	Complete MCQ (Multiple Choice Questions for each learning aim) Make revision notes/flashcards for each topic area using PPT's on Google Classroom. Or <a href="https://www.savemyexams.com/gcse/business/edexcel/19/revision-notes/">https://www.savemyexams.com/gcse/business/edexcel/19/revision-notes/</a> Complete Lesson Booklet Activities (Extension Tasks) from Folder or Knowledge Organiser (using revision guide)
<b>1.2 – Spotting a Business Opportunity</b>	1.2.1 – Customer Needs 1.2.2 – Market Research 1.2.3 – Market Segmentation 1.2.4 – The Competitive Environment	Complete MCQ (Multiple Choice Questions for each learning aim) Make revision notes/flashcards for each topic area using PPT's on Google Classroom. Or <a href="https://www.savemyexams.com/gcse/business/edexcel/19/revision-notes/">https://www.savemyexams.com/gcse/business/edexcel/19/revision-notes/</a> Complete Lesson Booklet Activities (Extension Tasks) from Folder
<b>Spring Term</b>		
Topic	What you will learn	How you can improve further
<b>1.3 – Putting a Business Idea Into Practice</b>	1.3.1 – Business Aims and Objectives 1.3.2 – Sales Revenue and Costs 1.3.3 – Profits and Profit Margins 1.3.4 – Break Even Analysis 1.3.5 – Cash and Cash Flow Forecasts 1.3.6 – Sources of Business Finance	Complete MCQ (Multiple Choice Questions for each learning aim) Make revision notes/flashcards for each topic area using PPT's on Google Classroom. Or <a href="https://www.savemyexams.com/gcse/business/edexcel/19/revision-notes/">https://www.savemyexams.com/gcse/business/edexcel/19/revision-notes/</a> Complete Lesson Booklet Activities (Extension Tasks) from Folder or Knowledge Organiser (using revision guide)
<b>1.4 – Making the Business Effective</b>	1.4.1 – The Options for Start-up and Small Businesses 1.4.2 – Business Location 1.4.3 – The Marketing Mix 1.4.4 – Business Plans	Complete MCQ (Multiple Choice Questions for each learning aim) Make revision notes/flashcards for each topic area using PPT's on Google Classroom. Or <a href="https://www.savemyexams.com/gcse/business/edexcel/19/revision-notes/">https://www.savemyexams.com/gcse/business/edexcel/19/revision-notes/</a> Complete Lesson Booklet Activities (Extension Tasks) from Folder or Knowledge Organiser (using revision guide)
<b>Summer Term</b>		
Topic	What you will learn	How you can improve further
<b>1.5 – Understanding External Influences on Business</b>	1.5.1 – Business Stakeholders 1.5.2 – Technology and Business 1.5.3 – Legislation and Business 1.5.4 – The Economy and Business 1.5.5 – External Influences	Complete MCQ (Multiple Choice Questions for each learning aim) Make revision notes/flashcards for each topic area using PPT's on Google Classroom. Or <a href="https://www.savemyexams.com/gcse/business/edexcel/19/revision-notes/">https://www.savemyexams.com/gcse/business/edexcel/19/revision-notes/</a> Complete Lesson Booklet Activities (Extension Tasks) from Folder or Knowledge Organiser (using revision guide)
<b>Key words</b>	Liability, Revenue, Profit Loss, Break Even, Contribution, Primary/Secondary Research, Qualitative, Quantitative, Obsolete, E-Commerce, Stakeholder, Market Share, Segmentation, Credit, Franchise, Brand, SMART objectives, Cash Flow, Globalisation, Legislation	
<b>Useful links</b>	<a href="https://www.bbc.co.uk/bitesize/examspecs/z98snbk">https://www.bbc.co.uk/bitesize/examspecs/z98snbk</a> <a href="https://www.savemyexams.com/gcse/business/edexcel/19/revision-notes/">https://www.savemyexams.com/gcse/business/edexcel/19/revision-notes/</a>	

Subject:	GCSE Chinese	Key Stage 4: Year 10
<b>Autumn Term</b>		
Topic	What you will learn	How you can improve further
<b>Technology</b>	<ul style="list-style-type: none"> <li>How to discuss issues around technology and social media.</li> </ul>	<ul style="list-style-type: none"> <li>Learn vocabulary weekly.</li> <li>Practise applying grammar.</li> <li>Exam-style questions.</li> </ul>
<b>Customs &amp; festivals</b>	<ul style="list-style-type: none"> <li>How to discuss customs and festivals in Chinese-speaking countries.</li> </ul>	<ul style="list-style-type: none"> <li>Learn vocabulary weekly.</li> <li>Practise applying grammar.</li> <li>Exam-style questions.</li> </ul>
<b>Spring Term</b>		
Topic	What you will learn	How you can improve further
<b>Education</b>	<ul style="list-style-type: none"> <li>How to discuss education post-16.</li> </ul>	<ul style="list-style-type: none"> <li>Learn vocabulary weekly.</li> <li>Practise applying grammar.</li> <li>Exam-style questions.</li> </ul>
<b>Future ambitions</b>	<ul style="list-style-type: none"> <li>How to discuss jobs, career choices and future ambitions.</li> </ul>	<ul style="list-style-type: none"> <li>Learn vocabulary weekly.</li> <li>Practise applying grammar.</li> <li>Exam-style questions.</li> </ul>
<b>Summer Term</b>		
Topic	What you will learn	How you can improve further
<b>My region.</b>	<ul style="list-style-type: none"> <li>How to discuss your home, town and region.</li> </ul>	<ul style="list-style-type: none"> <li>Learn vocabulary weekly.</li> <li>Practise applying grammar.</li> <li>Exam-style questions.</li> </ul>
<b>Holidays</b>	<ul style="list-style-type: none"> <li>How to discuss topics of travel and tourism.</li> </ul>	<ul style="list-style-type: none"> <li>Learn vocabulary weekly.</li> <li>Practise applying grammar.</li> <li>Exam-style questions.</li> </ul>
<b>Key words</b>	Theme 1 vocabulary: family/friends, free-time, technology, food, festivals. Theme 2 vocabulary: home, travel & tourism. Theme 3 vocabulary: school, jobs and future ambitions.	
<b>Useful links</b>	<a href="http://www.wordreference.com">www.wordreference.com</a> <a href="https://www.bbc.co.uk/bitesize/subjects/zhsvr82">https://www.bbc.co.uk/bitesize/subjects/zhsvr82</a> <a href="https://www.languagenut.com/en-gb/">https://www.languagenut.com/en-gb/</a> <a href="https://www.duolingo.com/">https://www.duolingo.com/</a>	

<b>Subject:</b>	<b>GCSE Computer Science</b>	<b>Key Stage 4: Year 10</b>
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### Autumn Term

Topic	What you will learn	How you can improve further
<b>Basic Programming Skills</b>	<ul style="list-style-type: none"> <li>Decomposition, Algorithms and Flowcharts;</li> <li>Data Types, Variables, Input, Integers, Debugging Tools;</li> <li>String Manipulation and Methods, IF statements, Boolean Operators, Repetition (WHILE Loops)</li> </ul>	<ul style="list-style-type: none"> <li>Complete the relevant pages for this topic in the Pearson Revision Book and the Pearson Workbook - Use the revision book to revise a topic for no more than 20 minutes then do the questions in the work book under the pressure of time</li> </ul>
<b>Binary Representation</b>	<ul style="list-style-type: none"> <li>Binary, Unsigned Integers, Binary Arithmetic, Two's Complement;</li> <li>Logical and Arithmetic Shifts;</li> <li>Hexadecimal and ASCII</li> </ul>	<ul style="list-style-type: none"> <li>Complete the Seneca questions based on this topic;</li> <li>Create Flashcards to make sure you know ALL of the keywords for this topic;</li> </ul>

### Spring Term

Topic	What you will learn	How you can improve further
<b>Intermediate Programming</b>	<ul style="list-style-type: none"> <li>1D Lists, FOR Loops, Procedures, Functions, Sub Programs;</li> <li>String Formatting, 2D Lists, Validation, Linear Searches (1D and 2D)</li> </ul>	<ul style="list-style-type: none"> <li>Complete the relevant pages for this topic in the Pearson Revision Book and the Pearson Workbook - Use the revision book to revise a topic for no more than 20 minutes then do the questions in the work book under the pressure of time</li> <li>Complete the Seneca questions based on this topic;</li> <li>Create Flashcards to make sure you know ALL of the keywords for this topic;</li> </ul>
<b>System Architecture and Software</b>	<ul style="list-style-type: none"> <li>Stored Program Concept, FDE Cycle, Secondary Storage;</li> <li>Operating System, File and Process Management, Peripheral and User Management;</li> <li>Utility Software</li> </ul>	

### Summer Term

Topic	What you will learn	How you can improve further
<b>Advanced Programming and Algorithms</b>	<ul style="list-style-type: none"> <li>Merge Sort</li> <li>Reading Files, String Processing, Writing Files, Authentication;</li> <li>Turtle Lines, Coordinates, Shapes, Colours, Complex Problems</li> </ul>	<ul style="list-style-type: none"> <li>Complete the relevant pages for this topic in the Pearson Revision Book and the Pearson Workbook - Use the revision book to revise a topic for no more than 20 minutes then do the questions in the work book under the pressure of time</li> <li>Complete the Seneca questions based on this topic;</li> <li>Create Flashcards to make sure you know ALL of the keywords for this topic;</li> </ul>
<b>Networks and Security</b>	<ul style="list-style-type: none"> <li>Malware and Anti-malware, Hackers, Social Engineering, Data Level Protection, Robust Software;</li> <li>LANs and WANs, Networks Speed, Connectivity, Wired &amp; Wireless, Topologies</li> </ul>	

### Key words

Decomposition, Algorithm, Data Type, Variable, Integer, Debugging, Flowcharts, Binary, Unsigned Integers, Two's Complement, String, Operators, Boolean, Iteration, Repetition, Logical Shift, Arithmetic Shift, Hexadecimal, ASCII, Array, List, Procedure, Function, Sub Program, Fetch-Decode-Execute Cycle, Secondary Storage, Validation, Linear Search, Operating System, Peripheral, Utility, Hardware, Software, Merge, Malware, Hacker, Social Engineering, Data Level Protection, Authentication, LAN, WAN, Connectivity, Wired and Wireless, Topologies.

### Useful links

[Link to Specification;](#)  
[Link to Issac Computing \(Website Resources\)](#)  
[Link to Seneca Learning](#)

Subject: GCSE Design and Technology		Key Stage 4: Year 10
<b>Autumn Term</b>		
Topic	What you will learn	How you can improve further
<b>Materials:</b> <b>Paper / card</b>  <b>Smart Materials</b>  <b>New Technology</b>	<ul style="list-style-type: none"> <li>• <b>Paper &amp; card</b>, types, uses and working properties.</li> <li>• Thermochromic, shape memory alloys and photochromic.</li> <li>• Automation and Robots</li> </ul>	Create a revision resource knowledge organiser or flash cards for types of <b>Card and Paper</b> used in DT, what are the properties of each and common uses. Use BBC Bitesize Video <a href="https://www.bbc.co.uk/bitesize/guides/znq8jty/revision/1">https://www.bbc.co.uk/bitesize/guides/znq8jty/revision/1</a>
<b>Materials:</b> <b>wood</b>  <b>Drawing techniques</b>	<ul style="list-style-type: none"> <li>• <b>Wood</b>, types, uses and working properties.</li> <li>• Isometric and orthographic drawing techniques.</li> </ul>	Create a revision resource knowledge organiser or flash cards for types of <b>Wood</b> , what are the properties of each and common uses. Use BBC Bitesize <a href="https://www.bbc.co.uk/bitesize/guides/zjgyb82/revision/3">https://www.bbc.co.uk/bitesize/guides/zjgyb82/revision/3</a> Practice drawing techniques.
<b>Spring Term</b>		
Topic	What you will learn	How you can improve further
<b>Materials:</b> <b>Metals &amp; Polymers</b>  <b>CAD/CAM</b>  <b>Energy generation</b>	<ul style="list-style-type: none"> <li>• <b>Metals</b>, types, uses and working properties.</li> <li>• <b>Polymers</b>, types, uses and working properties.</li> <li>• Use of Adobe Illustrator &amp; the laser cutter</li> <li>• Renewable and non-renewable energy.</li> </ul>	Create a revision resource knowledge organiser or flash cards for types of <b>Metals &amp; Polymers</b> , what are the properties of each and common uses. Use BBC Bitesize <a href="https://www.bbc.co.uk/bitesize/guides/zjgyb82/revision/4">https://www.bbc.co.uk/bitesize/guides/zjgyb82/revision/4</a> <a href="https://www.bbc.co.uk/bitesize/guides/zjgyb82/revision/5">https://www.bbc.co.uk/bitesize/guides/zjgyb82/revision/5</a> Create flash cards: types of energy generation.
<b>Materials – textiles</b>  <b>Scales of Production</b>	<ul style="list-style-type: none"> <li>• <b>Textiles</b>, types, uses and working properties.</li> <li>• Prototype, One off, Batch production, Mass production, continuous production.</li> </ul>	Create a revision resource knowledge organiser or flash cards for types of <b>Textiles</b> what are the properties of each and common uses. Use BBC Bitesize <a href="https://www.bbc.co.uk/bitesize/guides/zjgyb82/revision/6">https://www.bbc.co.uk/bitesize/guides/zjgyb82/revision/6</a>
<b>Summer Term</b>		
Topic	What you will learn	How you can improve further
<b>Mechanisms</b>  <b>Systems Approach</b>	<ul style="list-style-type: none"> <li>• Levers, Linkages, cams, gears and pulleys.</li> <li>• Electronic systems and programmable electronics (Crumble software)</li> </ul>	Create a revision resource on mechanisms. <a href="https://www.bbc.co.uk/bitesize/guides/zbt26yc/revision/1">https://www.bbc.co.uk/bitesize/guides/zbt26yc/revision/1</a> Create a revision resource on systems. <a href="https://www.bbc.co.uk/bitesize/guides/z6kr97h/revision/1">https://www.bbc.co.uk/bitesize/guides/z6kr97h/revision/1</a>
<b>NEA AQA release date 1<sup>st</sup> June</b>	<ul style="list-style-type: none"> <li>• You will be given a choice of three contextual challenges from AQA.</li> <li>• You will compete research, write a brief and specification, find a client and evaluate products.</li> <li>• This is the start of NEA that will continue after summer until Easter of year 11.</li> </ul>	Continue with everything above in preparation for year 10 Mock Examination. Practice papers <a href="https://www.aqa.org.uk/subjects/design-and-technology/a-level/design-and-technology-product-design-7552/assessment-resources?f.Resource+type%7C6=Question+papers">https://www.aqa.org.uk/subjects/design-and-technology/a-level/design-and-technology-product-design-7552/assessment-resources?f.Resource+type%7C6=Question+papers</a> React to any feedback from your teacher. Complete any unfinished tasks.
<b>Key words</b>	Tensile strength, toughness, hardness, malleability, corrosion, conductivity, ductility.	
<b>Useful links</b>	Students will be able to purchase revision guides in year 10. <a href="https://www.bbc.co.uk/bitesize/examspecs/zby2bdm">https://www.bbc.co.uk/bitesize/examspecs/zby2bdm</a>	

<b>Subject:</b>	<b>GCSE Drama</b>	<b>Key Stage 4: Year 10</b>
<b>Autumn Term</b>		
Topic	What you will learn	How you can improve further
<b>Introduction to Drama workshops</b>	<ul style="list-style-type: none"> <li>Recap on drama skills from KS3 and introduction to new ones!</li> <li>Building team skills- exploring stage space</li> <li>Exploring naturalistic and abstract ideas and scripts</li> </ul>	<ul style="list-style-type: none"> <li>Work effectively with everyone in the group</li> <li>Look at examples from previous GCSE work to see the 'standard' expected</li> </ul>
<b>Mini Devising &amp; written evaluation</b>	<ul style="list-style-type: none"> <li>Exploring a theme</li> <li>Creating drama from a stimulus from chosen theme (in groups)</li> <li>The drama performance will be filmed</li> <li>Written analysis and evaluation of the work</li> </ul>	<ul style="list-style-type: none"> <li>Rehearsals after school if needed</li> <li>Research on your chosen topic</li> <li>Keeping notes on the process and your ideas as you go along</li> </ul>
<b>Spring Term</b>		
Topic	What you will learn	How you can improve further
<b>Component One Blood Brothers Practical and theory</b>	<ul style="list-style-type: none"> <li>Read and practically explore Blood Brothers</li> </ul>	<ul style="list-style-type: none"> <li>Practice questions</li> <li>Watch versions of Blood Brothers on You Tube – research Liverpool in 1950's - 80's</li> </ul>
<b>Introducing devising from a stimulus</b>	<ul style="list-style-type: none"> <li>Explore the different stimuli given and choose one to work on for your exam piece</li> <li>Planning and creating initial ideas</li> </ul>	<ul style="list-style-type: none"> <li>Research on your chosen topic</li> </ul>
<b>Summer Term</b>		
Topic	What you will learn	How you can improve further
<b>Component 2 Devising from a stimulus Rehearsals and filmed final performance</b>	<ul style="list-style-type: none"> <li>Creating, rehearsing and performing your exam devising performance.</li> <li>This is the assessed drama piece for Component 2 – the performances will be filmed and set to the exam board</li> </ul>	<ul style="list-style-type: none"> <li>Rehearsals after school if needed</li> <li>Keeping notes on the process and your ideas as you go along evaluation</li> </ul>
<b>Written devising logbook</b>	<ul style="list-style-type: none"> <li>First draft of devising logbook focusing on 3 sections – response – development and evaluation</li> </ul>	<ul style="list-style-type: none"> <li>Respond to teacher feedback</li> <li>Re watch your performance to help you pick out scenes to analyse</li> </ul>
<b>Key words</b>	Traverse stage Promenade In the round Thrust Proscenium arch Body language /facial expressions/voice and movement – see detailed vocab Describe/analyse/evaluate	
<b>Useful links</b>	<a href="https://www.bbc.co.uk/bitesize/examspecs/zrnjwty">https://www.bbc.co.uk/bitesize/examspecs/zrnjwty</a> <a href="#">Blood Brothers - Plot summary - Plot summary - GCSE English Literature Revision - WJEC - BBC Bitesize</a> Use your google classroom – it is an invaluable resource	

Subject:	BTEC Engineering	Key Stage 4: Year 10
<b>Autumn Term</b>		
Topic	What you will learn	How you can improve further
<b>Technical Drawing Standards, Orthographic drawing, international standards</b>	International drawing standards and conventions, Standard line types, layout methods, and features of technical drawing. BS8888. How to interpret and understand technical drawing documentation.	<p><b>Create a set of flash cards on the purpose and features of orthographic drawings. Outline BS8888, and its main features.</b></p> <ul style="list-style-type: none"> <li>- What is orthographic projection?</li> <li>- What is BS8888?</li> <li>- What are the main features of orthographic drawing as outlined by BS8888?</li> </ul>
<b>Material Categories, Mechanical and non-mechanical properties.</b>	Categories of metals and polymers, specific material examples, benefits and limitations of each. Mechanical and non-mechanical properties of materials. Context as to how these properties explain why certain manufacturing methods are used.	<p><b>Create a set of flash cards on specific mechanical and non-mechanical properties of engineered materials.</b></p> <ul style="list-style-type: none"> <li>- State the definitions of ductility, malleability, hardness, toughness, machinability, and conductivity.</li> <li>- What is fatigue strength?</li> <li>- What is yield strength?</li> </ul>
<b>Spring Term</b>		
Topic	What you will learn	How you can improve further
<b>Manufacturing Processes, Levels of automation.</b>	The 5 categories of manufacturing process, specific examples, benefits and limitations of each. Context linking specific materials with specific processes. Levels of automation, and how automation impacts manufacturing.	<p><b>Create a set of flash cards on the categories, and specific examples of manufacturing processes. Include reference to how automation effects these processes.</b></p> <ul style="list-style-type: none"> <li>- Shaping, Forming, Finishing and Wasting processes</li> <li>- Additive manufacturing</li> <li>- Joining processes</li> <li>- CNC vs Manual alternatives</li> </ul>
<b>Scales of Production, CAD/CAM.</b>	Scales of production, how scale impacts material and process choices. How scales of production impact products. CAD/CAM, how CAD/CAM impacts manufacturing.	<p><b>Create a set of flash cards on scales of production, definitions, and different types of CAD/CAM.</b></p> <ul style="list-style-type: none"> <li>- What does CAD/CAM stand for?</li> <li>- Examples of CAD</li> <li>- Examples of CAM</li> <li>- What are the benefits and limitations of CAD/CAM</li> </ul>
<b>Summer Term</b>		
Topic	What you will learn	How you can improve further
<b>Production methods, conventional inventory management, JIT</b>	Traditional and lean inventory management. MRP, production planning, and how inventory management impacts manufacturing, and manufactured products. Benefits and limitations of different manufacturing processes.	<p><b>Create a set of flash cards on traditional and JIT inventory management.</b></p> <ul style="list-style-type: none"> <li>- What is Conventional inventory management?</li> <li>- What is JIT?</li> <li>- What is MRP?</li> <li>- What are their benefits and limitations?</li> </ul> <p>How does inventory management impact engineered products and engineering organisations?</p>
<b>Globalisation</b>	Globalisation in manufacturing. The impact of globalisation on production, the workforce, economic and ethical considerations.	<p><b>Create a set of flash cards on Globalisation in Engineering.</b></p> <ul style="list-style-type: none"> <li>- What is globalisation?</li> <li>- What are its benefits and limitations?</li> <li>- How does globalisation impact the workforce and the business as a whole?</li> </ul>

<b>Subject:</b>		<b>GCSE Food Preparation &amp; Nutrition</b>	<b>Key Stage 4: Year 10</b>
<b>Autumn Term</b>			
Topic	What you will learn	How you can improve further	
<b>Nutrients Macro and Micro nutrients</b>	The function of each nutrients, which food it is found in and what happens if you have a deficiency or excess.	Make flash cards or mind-maps from the online book. Student Username: <b>SHORSFORTH3</b> Student Password: <b>STUDENT3</b>	
<b>Nutritional Needs and Health</b>	What is a balanced diet. What happens if you have an unbalanced diet.	Make flash cards or mind-maps from the online book.	
<b>Spring Term</b>			
Topic	What you will learn	How you can improve further	
<b>Cooking food and heat transfer.</b>	How heat is transferred to food – convection, conduction, radiation.	Make flash cards or mind-maps from the online book or revision guide.	
<b>Food Science.</b>	How nutrients molecules change when cooked e.g. coagulation and caramelisation	Learn key words below. <b>Cook at home.</b>	
<b>Food Science.</b>	Raising Agents	Learn the meaning of the key words (science terms) and apply them to cooking.	
<b>Food Spoilage</b>	How moulds, yeast, bacteria and enzymes spoil food.	<b>Cook at home.</b>	
<b>Summer Term</b>			
Topic	What you will learn	How you can improve further	
<b>Food Safety</b>	How to prevent food poisoning through the control of bacterial growth.	Recap previous leaning through the exercises in the revision guide.	
<b>Food Choice</b>	Why people might have different diets e.g. ethics, religion, allergies.	Start practice papers (link below) <b>Cook at home.</b>	
<b>Environmental Impact.</b>	The carbon footprint of food, methods of food production and animal welfare.	Continue with everything above in preparation for year 10 Mock Examination.	
<b>Processing and production methods.</b>	How food is processed e.g. milk into cheese.	<b>Cook at home;</b> especially more high skilled dishes. E.g. lasagne, shepherd's pie, lemon meringue pie, bread and quiche. Plan to cook as much as possible in the summer holidays.	
<b>Key words</b>	<b>Protein</b> - Coagulation, Denaturation, Amino Acid, Chemical Bond. <b>Carbohydrates</b> - Gelatinization, Caramelisation, Dextrinization. <b>Fat</b> – Aeration, Shortening, plasticity, Emulsifications. Revise definitions and find examples in different recipes.		
<b>Useful links</b>	On-line AQA book <a href="http://www.illuminate.digital/aqafood">www.illuminate.digital/aqafood</a> <a href="https://www.bbc.co.uk/bitesize/topics/znth9q">https://www.bbc.co.uk/bitesize/topics/znth9q</a> <a href="https://www.foodafactoflife.org.uk/">https://www.foodafactoflife.org.uk/</a> Practice Papers <a href="https://www.aqa.org.uk/subjects/food/gcse/food-preparation-and-nutrition-8585/assessment-resources?f.Resource+type%7C6=Question+papers">https://www.aqa.org.uk/subjects/food/gcse/food-preparation-and-nutrition-8585/assessment-resources?f.Resource+type%7C6=Question+papers</a>		



Subject:	GCSE French	Key Stage 4: Year 10
<b>Autumn Term</b>		
Topic	What you will learn	How you can improve further
<b>Free-Time</b>	<ul style="list-style-type: none"> <li>How to discuss what we tend to do in our free-time: TV, film, music, sports and food.</li> </ul>	<ul style="list-style-type: none"> <li>Learn vocabulary weekly.</li> <li>Practise applying grammar.</li> <li>Exam-style questions.</li> </ul>
<b>Customs &amp; Festivals</b>	<ul style="list-style-type: none"> <li>How to discuss daily routines, traditions and festivals in Francophone countries.</li> </ul>	<ul style="list-style-type: none"> <li>Learn vocabulary weekly.</li> <li>Practise applying grammar.</li> <li>Exam-style questions.</li> </ul>
<b>Spring Term</b>		
Topic	What you will learn	How you can improve further
<b>My Region</b>	<ul style="list-style-type: none"> <li>How to discuss our house, our town/city and our region.</li> </ul>	<ul style="list-style-type: none"> <li>Learn vocabulary weekly.</li> <li>Practise applying grammar.</li> <li>Exam-style questions.</li> </ul>
<b>Social Issues</b>	<ul style="list-style-type: none"> <li>How to discuss charity work, volunteering and healthy lifestyles.</li> </ul>	<ul style="list-style-type: none"> <li>Learn vocabulary weekly.</li> <li>Practise applying grammar.</li> <li>Exam-style questions.</li> </ul>
<b>Summer Term</b>		
Topic	What you will learn	How you can improve further
<b>Global Issues</b>	<ul style="list-style-type: none"> <li>How to discuss the environment, poverty and homelessness.</li> </ul>	<ul style="list-style-type: none"> <li>Learn vocabulary weekly.</li> <li>Practise applying grammar.</li> <li>Exam-style questions.</li> </ul>
<b>Travel &amp; Tourism</b>	<ul style="list-style-type: none"> <li>How to discuss holidays, travel and Francophone regions.</li> </ul>	<ul style="list-style-type: none"> <li>Learn vocabulary weekly.</li> <li>Practise applying grammar.</li> <li>Exam-style questions.</li> </ul>
<b>Key words</b>	Theme 1 vocabulary: family/friends, free-time, technology, food, festivals. Theme 2 vocabulary: holidays/tourism, where I live, social issues.	
<b>Useful links</b>	<a href="http://www.wordreference.com">www.wordreference.com</a> <a href="https://www.duolingo.com/">https://www.duolingo.com/</a> <a href="http://www.languagesonline.org.uk">www.languagesonline.org.uk</a> <a href="https://www.bbc.co.uk/bitesize/subjects/zhsvr82">https://www.bbc.co.uk/bitesize/subjects/zhsvr82</a> <a href="https://classroom.thenational.academy/subjects-by-key-stage/key-stage-4">https://classroom.thenational.academy/subjects-by-key-stage/key-stage-4</a> <a href="https://www.lightbulblanguages.co.uk/">https://www.lightbulblanguages.co.uk/</a>	

Subject:	GCSE Geography	Key Stage 4: Year 10
<b>Autumn Term</b>		
Topic	What you will learn	How you can improve further
<a href="#"><u>Weather Hazards</u></a>	Understanding how climatic hazards occur, the impact they can have, and how the risk can be managed	<ul style="list-style-type: none"> <li>• Purchase a <a href="#">Revision Guide</a> via ParentPay</li> <li>• <a href="#">Cool Geography</a> to increase your knowledge</li> <li>• Self-Assessment Tools – <a href="#">Internet Geography</a></li> </ul>
<a href="#"><u>Cold Environments</u></a>	Understanding the characteristics of cold environments, the opportunities and challenges provided by these landscapes provide and how they are at risk from increasing human interaction	<ul style="list-style-type: none"> <li>• <a href="#">Time for Geography</a> – Knowledge update</li> <li>• Use <a href="#">Tutor2U</a> for multiple choice quiz</li> <li>• Complete Cold Environments past paper questions from <a href="#">AQA</a></li> </ul>
<b>Spring Term</b>		
Topic	What you will learn	How you can improve further
<a href="#"><u>Resource Management &amp; Water</u></a>	Understanding the importance of food, water and energy for human development and how the UK's demand is changing. Focus on water availability, insecurity and sustainable management	<ul style="list-style-type: none"> <li>• Complete <a href="#">Seneca</a> quizzes on the topics</li> <li>• Self Assessment Tools – <a href="#">Internet Geography</a></li> <li>• Create case study cards using <a href="#">Physics and Maths Tutor</a></li> </ul>
<a href="#"><u>Urban Issues &amp; Challenges – UK</u></a>	Urban change in cities in the UK leads to a variety of social, economic and environmental opportunities and challenges with a view to a sustainable future	<ul style="list-style-type: none"> <li>• Self Assessment Tools – <a href="#">Internet Geography</a></li> <li>• Watch <a href="#">Tutor2U</a> Videos on YouTube</li> <li>• <a href="#">Cool Geography</a> to increase your knowledge</li> </ul>
<b>Summer Term</b>		
Topic	What you will learn	How you can improve further
<a href="#"><u>Changing UK Economy</u></a>	Major changes in the economy of the UK have affected, and will continue to affect, employment patterns and regional growth.	<ul style="list-style-type: none"> <li>• Create case study cards using <a href="#">Physics and Maths Tutor</a></li> <li>• Watch the <a href="#">BBC news</a> to keep up to date with current affairs in the UK</li> <li>• Watch <a href="#">Tutor2U</a> Videos on YouTube</li> </ul>
<a href="#"><u>Rivers Recap &amp; Fieldwork</u></a>	Completion of Rivers fieldwork, and subsequent enquiry work.	<ul style="list-style-type: none"> <li>• Complete <a href="#">Paper 3 examples</a> using AQA</li> <li>• <a href="#">Tutor2U</a> – Paper 3 Warm Up</li> <li>• Complete the skills section of the revision guide</li> </ul>
<b>Useful links</b>	<a href="https://www.aqa.org.uk/subjects/geography/gcse/geography-8035">AQA Specification &amp; Past Papers https://www.aqa.org.uk/subjects/geography/gcse/geography-8035</a>  <a href="https://www.tassomai.com">Tassomai Homework Website https://www.tassomai.com</a>	

Subject: GCSE History		Key Stage 4: Year 10
<b>Autumn Term</b>		
Topic	What you will learn	How you can improve further
<b>Medicine 1250 – present day</b>	<ul style="list-style-type: none"> <li>- Review of middle ages and Renaissance from year 9</li> <li>- Germ Theory – Pasteur and Kock</li> <li>- DNA</li> <li>- Middle ages treatment and prevention</li> <li>- Renaissance treatment and prevention</li> <li>- Industrial revolution treatment and prevention</li> <li>- 20<sup>th</sup> Century treatment and prevention</li> </ul>	<p>BBC Bitesize – make notes/flashcards/spider diagrams  <a href="https://www.bbc.co.uk/bitesize/topics/zppr4xs">https://www.bbc.co.uk/bitesize/topics/zppr4xs</a></p> <p>Read a book on the History of Medicine – this one by Roy Potter is excellent -  <a href="https://www.amazon.co.uk/Blood-Guts-Short-History-Medicine/dp/0141010649">https://www.amazon.co.uk/Blood-Guts-Short-History-Medicine/dp/0141010649</a></p> <p>Visit the Thackray Medical Museum -  <a href="https://thackraymuseum.co.uk/">https://thackraymuseum.co.uk/</a></p>
<b>Spring Term</b>		
Topic	What you will learn	How you can improve further
<b>WW1 medicine</b>	<ul style="list-style-type: none"> <li>- WW1 battles and trench life</li> <li>- Illness and injury</li> <li>- Nurses, doctors and evacuation routes</li> <li>- Improvements in treatment</li> </ul>	<p>BBC Bitesize – make notes/flashcards/spider diagrams  <a href="https://www.bbc.co.uk/bitesize/topics/zppr4xs">https://www.bbc.co.uk/bitesize/topics/zppr4xs</a></p> <p>What a film about WW1 – this one on Walter Tull is great  <a href="https://www.imdb.com/title/tt1296169/">https://www.imdb.com/title/tt1296169/</a></p>
<b>Cold War</b>	<p>1940s – Yalta, Potsdam, Soviet take-over of Eastern Europe, Truman Doctrine, Marshal Plan, Berlin Blockade and Airlift</p> <p>1950s – Arms Race, Hungarian Revolution, U2 spy plane</p>	<p>BBC Bitesize – make notes/flashcards/spider diagrams  <a href="https://www.bbc.co.uk/bitesize/guides/z8fwhv4/revision/1">https://www.bbc.co.uk/bitesize/guides/z8fwhv4/revision/1</a></p> <p>Read a graphic novel about the first dog in space –<a href="https://www.amazon.co.uk/Laika-Nick-Abadzis/dp/1596431016">https://www.amazon.co.uk/Laika-Nick-Abadzis/dp/1596431016</a></p>
<b>Summer Term</b>		
Topic	What you will learn	How you can improve further
<b>Cold War</b>	<p>1960s – Berlin Wall, Cuban Missile Crisis, Prague Spring</p> <p>1970s – Détente, Soviet invasion of Afghanistan</p> <p>1980s – Reagan, Gorbachev, INF Treaty, Fall of the Berlin Wall, end of the USSR</p>	<p>BBC Bitesize – make notes/flashcards/spider diagrams  <a href="https://www.bbc.co.uk/bitesize/guides/z8fwhv4/revision/1">https://www.bbc.co.uk/bitesize/guides/z8fwhv4/revision/1</a></p> <p>Read a book on the Cold War – this one by John Gaddis is super -  <a href="https://www.amazon.co.uk/Cold-War-John-Lewis-Gaddis/dp/0141025328">https://www.amazon.co.uk/Cold-War-John-Lewis-Gaddis/dp/0141025328</a></p> <p>Watch a Cold War film -  <a href="https://www.imdb.com/title/tt0146309/">https://www.imdb.com/title/tt0146309/</a></p>

Subject:	GCSE Media Studies	Key Stage 4: Year 10
<b>Autumn Term</b>		
Topic	What you will learn	How you can improve further
<b>Advertising products</b>	Media language, representations, industries and audiences for the advertising Close Study Products <i>Represent</i> , <i>OMO</i> and <i>Galaxy</i> .	Use more detailed examples. Use more key terms. Add more detail about the context.
<b>Music videos</b>	Media industries and audiences for the music video Close Study Products <i>I Bet That You Look Good on the Dancefloor</i> and <i>You Do You Like That</i> .  Music video production.	Use more detailed examples. Use more key terms. Add more detail about the context. Include more lip-syncing. Make the visuals match the lyrics. Include a wider range of camera shots.
<b>Spring Term</b>		
Topic	What you will learn	How you can improve further
<b>Conglomerate and independent films</b>	Media industries for the film Close Study Products <i>Black Widow</i> and <i>I, Daniel Blake</i> .  Film poster production.	Use more detailed examples. Use more key terms. Add more detail about the context. Consider the industry context more carefully. Focus more on attention to detail and codes and conventions.
<b>Video games</b>	Media language, representations, industries and audiences for the advertising Close Study Products <i>Lara Croft Go</i> and <i>Kim Kardashian Hollywood</i> .	Use more detailed examples. Use more key terms. Add more detail about the context.
<b>Summer Term</b>		
Topic	What you will learn	How you can improve further
<b>Video games</b>	Media language, representations, industries and audiences for the advertising Close Study Products <i>Lara Croft Go</i> and <i>Kim Kardashian Hollywood</i> (continued).  Video game cover production.  Preparing for EOY exam.	Use more detailed examples. Use more key terms. Add more detail about the context.  Focus more on attention to detail and codes and conventions.
<b>Non-exam assessment</b>	Production of summative NEA.	Focus on the brief more. Focus more on attention to detail and codes and conventions. Use the technology in a more sophisticated way.
<b>Key words</b>	A full glossary of key words can be found on the Google Classroom: <a href="https://docs.google.com/document/d/1GqDgqgf5ZXUpPliPOSsr8eGDi7urSjpiwAcVLfwzwk4/edit">https://docs.google.com/document/d/1GqDgqgf5ZXUpPliPOSsr8eGDi7urSjpiwAcVLfwzwk4/edit</a>	
<b>Useful links</b>	Close Study Product Knowledge Organiser: <a href="https://docs.google.com/presentation/d/1cOIAFFDNk6h9fteoulsGCmjXB6A5q-PTPblH3iWtLk/edit">https://docs.google.com/presentation/d/1cOIAFFDNk6h9fteoulsGCmjXB6A5q-PTPblH3iWtLk/edit</a> Glossary of key theory: <a href="https://docs.google.com/presentation/d/1DjesOOME8zhsgaW6VJ-jb0AK7Gpk8ThevJaCqi4BR3l/edit">https://docs.google.com/presentation/d/1DjesOOME8zhsgaW6VJ-jb0AK7Gpk8ThevJaCqi4BR3l/edit</a> Specification: <a href="https://classroom.google.com/w/NjE2MjE4ODM1NjM5/tc/NjE2NDUxOTYyMjA2">https://classroom.google.com/w/NjE2MjE4ODM1NjM5/tc/NjE2NDUxOTYyMjA2</a>	

<b>Subject:</b>	<b>GCSE Music</b>	<b>Key Stage 4: Year 10</b>
<b>Autumn Term</b>		
Topic	What you will learn	How you can improve further
<b>Performing</b>	<ul style="list-style-type: none"> <li>Become familiar with the performance criteria at GCSE for solo and ensemble.</li> <li>Have regular opportunities to perform in front of class.</li> </ul>	<ul style="list-style-type: none"> <li>20 minutes practice per day 5 days per week</li> <li>Regularly work on feedback given by instrumental/voice tutor.</li> </ul>
<b>Music Theory</b>	<ul style="list-style-type: none"> <li>All basic introduction to GCSE theoretical knowledge</li> <li>Full extensive Harmony and Tonality unit completed.</li> </ul>	<ul style="list-style-type: none"> <li>Revise all work done in lesson after each lesson and complete any set homework on time.</li> <li>Use Musictheory.net links to reinforce knowledge regularly.</li> </ul>
<b>Spring Term</b>		
Topic	What you will learn	How you can improve further
<b>Performing</b>	<ul style="list-style-type: none"> <li>First formatively assessed solo and ensemble performance</li> </ul>	<ul style="list-style-type: none"> <li>20 minutes practice per day 5 days per week</li> <li>Regularly work on feedback given by instrumental/voice tutor.</li> </ul>
<b>Music Theory</b>	<ul style="list-style-type: none"> <li>Dynamics &amp; Articulation,</li> <li>Rhythm &amp; Metre,</li> <li>Timbre &amp; Instrumentation,</li> <li>Melody &amp; Texture,</li> <li>Structure &amp; Form.</li> </ul>	<ul style="list-style-type: none"> <li>Revise all vocabulary from the GCSE Glossary for each topic.</li> <li>Use Musictheory.net links to reinforce knowledge regularly.</li> </ul>
<b>Summer Term</b>		
Topic	What you will learn	How you can improve further
<b>Performing / Composition</b>	<ul style="list-style-type: none"> <li>Second formatively assessed solo and ensemble performance.</li> <li>First GCSE composition (Free) will be started in this term.</li> </ul>	<ul style="list-style-type: none"> <li>20 minutes practice per day 5 days per week</li> <li>Regularly work on feedback given by instrumental/voice tutor.</li> </ul>
<b>Music Theory</b>	<ul style="list-style-type: none"> <li>Mozart Set Work and Paul Simon Set Works will be started in this term.</li> <li>Colour code for Elements of Music taught and applied</li> </ul>	<ul style="list-style-type: none"> <li>Know all vocabulary in GCSE Music glossary securely</li> <li>Know all colour coded notes from Mozart and Paul Simon booklets</li> <li>Regular revision of set works done after each lesson.</li> </ul>
<b>Key words</b>	All vocabulary needed is defined and categorised in the GCSE Music Glossary	
<b>Useful links</b>	<a href="http://www.musictheory.net">www.musictheory.net</a>	

<b>Subject: GCSE Photography</b>		<b>Key Stage 4: Year 10</b>
<b>Autumn Term</b>		
<b>Topic</b>	<b>What you will learn</b>	<b>How you can improve further</b>
<b>Pattern</b>	Introduction to GCSE course Camera controls, e.g. framing, focus, zoom, lighting Basic Photoshop editing skills e.g. crop, copy, paste, flip, rotate Darkroom: Photograms	<ul style="list-style-type: none"> <li>• Use 5 paragraph help sheet to structure your analysis</li> <li>• Take an extra photoshoot and include this as a contact sheet on your slides</li> </ul>
<b>Pattern</b>	Research and analysis skills Further Photoshop editing skills e.g. dodge, burn, sponge, re-colour Presentation skills, layout, design	<ul style="list-style-type: none"> <li>• Edit 3 more of your photos using dodge, burn, sponge etc</li> <li>• Emphasise any new vocabulary used in bold text, use at least 3 new key words in your written work</li> </ul>
<b>Spring Term</b>		
<b>Topic</b>	<b>What you will learn</b>	<b>How you can improve further</b>
<b>Coursework Unit 'Surrealism'</b>	Further camera controls, e.g. use of tripod, depth of field, shutter speed Image analysis skills Idea development - mind mapping	<ul style="list-style-type: none"> <li>• Take an extra photoshoot and include this as a contact sheet on your slides Use a variety of camera settings for this and explain how you did it</li> <li>• Edit 3 more of your photos using a new skill for each one, e.g. layering, combining images</li> </ul>
<b>Coursework Unit 'Surrealism'</b>	Editing skills, e.g. layering, opacity, scale Image manipulation	<ul style="list-style-type: none"> <li>• Read and respond to teacher feedback</li> <li>• Proofread (check) your written work and emphasise key vocabulary</li> <li>• Create additional edits using phone apps</li> </ul>
<b>Summer Term</b>		
<b>Topic</b>	<b>What you will learn</b>	<b>How you can improve further</b>
<b>Coursework Unit 'Mixed Topics'</b>	How to create a portfolio that demonstrates your ability to analyse sources and develop your own ideas with photography	<ul style="list-style-type: none"> <li>• Use 5 paragraph help sheet to structure your analysis</li> <li>• Edit 3 more of your photos using more advanced Photoshop techniques</li> </ul>
<b>Coursework Unit 'Mixed Topics'</b>	Further development of practical (technical) and analytical skills How to develop your own ideas inspired by a range of sources	<ul style="list-style-type: none"> <li>• Read and respond to teacher feedback</li> <li>• Proof read your written work and emphasise key vocabulary</li> <li>• Create additional edits using apps</li> </ul>
<b>Key words</b>	<p>IDEAS, links, inspiration, personal, informed, observed, creative, framing, focus  COMPOSITION, symmetrical, balanced, central, diagonal, vertical, horizontal, rule of thirds  overlapping, highlights, mid-tones, shadows, contrast, depth of field, shutter speed, aperture  COLOUR: vivid, vibrant, neutral, muted, warm, cool, monochrome, complementary  PATTERN/TEXTURE/SURFACE: rough, smooth, uniform, irregular, scale, neat, precise, intricate, detailed, expressive, realistic, abstract, semi-abstract, dynamic, meaningful  MOOD / ATMOSPHERE: quirky, lively, positive, negative, mysterious, unusual, powerful</p>	
<b>Useful links</b>	<p>Google Classroom (your class page)  Look on the google classroom for helpsheets and previous student work to inspire you.  Art2day.co.uk <a href="http://www.tate.org.uk">www.tate.org.uk</a> Youtube (for artist/photographer videos)</p>	

Subject:	GCSE PE	Key Stage 4: Year 10
<b>Autumn Term</b>		
Topic	What you will learn	How you can improve further
<b>Paper 1</b>	Components of fitness and physical training	<ul style="list-style-type: none"> <li>• Use Knowledge Organiser</li> <li>• Build knowledge using Quizlet</li> <li>• Revise Notes</li> </ul>
<b>Paper 1</b>	Muscular skeletal System	<ul style="list-style-type: none"> <li>• Use Knowledge Organiser</li> <li>• Build knowledge using Quizlet</li> <li>• Revise Notes</li> </ul>
<b>Spring Term</b>		
Topic	What you will learn	How you can improve further
<b>Paper 1</b>	Cardiovascular system	<ul style="list-style-type: none"> <li>• Use Knowledge Organiser</li> <li>• Build knowledge using Quizlet</li> <li>• Revise Notes</li> </ul>
<b>Paper 1</b>	Respiratory System	<ul style="list-style-type: none"> <li>• Use Knowledge Organiser</li> <li>• Build knowledge using Quizlet</li> <li>• Revise Notes</li> </ul>
<b>Summer Term</b>		
Topic	What you will learn	How you can improve further
<b>Paper 1</b>	Movement analysis	<ul style="list-style-type: none"> <li>• Use Knowledge Organiser</li> <li>• Build knowledge using Quizlet</li> <li>• Revise Notes</li> </ul>
<b>Paper 1</b>	Long- and short-term effects of exercise on the body.	<ul style="list-style-type: none"> <li>• Use Knowledge Organiser</li> <li>• Build knowledge using Quizlet</li> <li>• Revise Notes</li> </ul>
<b>Key words</b>		
<b>Useful links</b>		
	Quizlet: <a href="https://quizlet.com/join/HMrh6As5w">https://quizlet.com/join/HMrh6As5w</a> Google classroom: <a href="https://classroom.google.com/c/NjlxMDk2MzkzMjQ5">https://classroom.google.com/c/NjlxMDk2MzkzMjQ5</a>	

<b>Subject: GCSE RS</b>		<b>Key Stage 4: Year 10</b>
<b>Autumn Term</b>		
<b>Topic</b>	<b>What you will learn</b>	<b>How you can improve further</b>
<b>PAPER 1 BUDDHIST BELIEFS</b>	Buddhist Dhamma  The influence of Dhamma on a Buddhists life	<ul style="list-style-type: none"> <li>• Test your knowledge using the revision grids</li> <li>• Complete questions from your past paper pack A (Buddhism)</li> </ul>
<b>PAPER 1 CHRISTIAN BELIEFS</b>	Christian beliefs and teachings  The influences of Christian beliefs and teachings on a Christians life	<ul style="list-style-type: none"> <li>• Test your knowledge using the revision grids</li> <li>• Complete questions from your past paper pack A (Christian Beliefs)</li> </ul>
<b>Spring Term</b>		
<b>Topic</b>	<b>What you will learn</b>	<b>How you can improve further</b>
<b>PAPER 2 Religion &amp; Life</b>	Christian and Buddhist beliefs about the use of origins of the universe, life after death, animals, protecting the environment and the sanctity of life.	<ul style="list-style-type: none"> <li>• Test your knowledge using the revision grids</li> <li>• Complete questions from your past paper pack A (Religion and life)</li> </ul>
<b>PAPER 2 Social Justice</b>	Christian and Buddhist beliefs about Human Rights, discrimination for protected characteristics, religious freedom and treatment of the poor.	<ul style="list-style-type: none"> <li>• Test your knowledge using the revision grids</li> <li>• Complete questions from your past paper pack A (Social justice)</li> </ul>
<b>Summer Term</b>		
<b>Topic</b>	<b>What you will learn</b>	<b>How you can improve further</b>
<b>Buddhist Practices</b>	The details and purposes of Buddhists practices such as meditation, shrine worship, funerals and festivals.	<ul style="list-style-type: none"> <li>• Test your knowledge using the revision grids</li> <li>• Complete questions from your past paper pack A (Buddhism)</li> </ul>
<b>Revision</b>	Revision of year 10 content	<ul style="list-style-type: none"> <li>• Test your knowledge using the revision grids</li> </ul>
<b>Key words</b>	In the Revision grids given to students by Mrs Gledhill.	
<b>Useful links</b>	<a href="https://senecalearning.com/en-GB/">https://senecalearning.com/en-GB/</a>	



Subject:	GCSE Spanish	Key Stage 4: Year 10
<b>Autumn Term</b>		
Topic	What you will learn	How you can improve further
<b>Free-Time</b>	<ul style="list-style-type: none"> <li>How to discuss what we tend to do in our free-time: TV, film, music, sports and food.</li> </ul>	<ul style="list-style-type: none"> <li>Learn vocabulary weekly.</li> <li>Practise applying grammar.</li> <li>Exam-style questions.</li> </ul>
<b>Customs &amp; Festivals</b>	<ul style="list-style-type: none"> <li>How to discuss daily routines, traditions and festivals in Hispanic countries.</li> </ul>	<ul style="list-style-type: none"> <li>Learn vocabulary weekly.</li> <li>Practise applying grammar.</li> <li>Exam-style questions.</li> </ul>
<b>Spring Term</b>		
Topic	What you will learn	How you can improve further
<b>My Region</b>	<ul style="list-style-type: none"> <li>How to discuss our house, our town/city and our region.</li> </ul>	<ul style="list-style-type: none"> <li>Learn vocabulary weekly.</li> <li>Practise applying grammar.</li> <li>Exam-style questions.</li> </ul>
<b>Social Issues</b>	<ul style="list-style-type: none"> <li>How to discuss charity work, volunteering and healthy lifestyles.</li> </ul>	<ul style="list-style-type: none"> <li>Learn vocabulary weekly.</li> <li>Practise applying grammar.</li> <li>Exam-style questions.</li> </ul>
<b>Summer Term</b>		
Topic	What you will learn	How you can improve further
<b>Global Issues</b>	<ul style="list-style-type: none"> <li>How to discuss the environment, poverty and homelessness.</li> </ul>	<ul style="list-style-type: none"> <li>Learn vocabulary weekly.</li> <li>Practise applying grammar.</li> <li>Exam-style questions.</li> </ul>
<b>Travel &amp; Tourism</b>	<ul style="list-style-type: none"> <li>How to discuss holidays, travel and Hispanic regions.</li> </ul>	<ul style="list-style-type: none"> <li>Learn vocabulary weekly.</li> <li>Practise applying grammar.</li> <li>Exam-style questions.</li> </ul>
<b>Key words</b>	Theme 1 vocabulary: family/friends, free-time, technology, food, festivals. Theme 2 vocabulary: holidays/tourism, where I live, social issues.	
<b>Useful links</b>	<a href="http://www.wordreference.com">www.wordreference.com</a> <a href="https://www.duolingo.com/">https://www.duolingo.com/</a> <a href="http://www.languagesonline.org.uk">www.languagesonline.org.uk</a> <a href="https://www.bbc.co.uk/bitesize/subjects/zhsvr82">https://www.bbc.co.uk/bitesize/subjects/zhsvr82</a> <a href="https://classroom.thenational.academy/subjects-by-key-stage/key-stage-4">https://classroom.thenational.academy/subjects-by-key-stage/key-stage-4</a> <a href="https://www.lightbulblanguages.co.uk/">https://www.lightbulblanguages.co.uk/</a>	

<b>Subject:</b>	<b>BTEC Sport</b>	<b>Key Stage 4: Year 10</b>
<b>Autumn Term</b>		
<b>Topic</b>	<b>What you will learn</b>	<b>How you can improve further</b>
<b>Component 1</b>	<p>Preparing Participants to Take Part in Sport and Physical Activity:</p> <p>A Explore types and provision of sport and physical activity for different types of participant</p> <p>B Examine equipment and technology required for participants to use when taking part in sport and physical activity</p> <p>C Be able to prepare participants to take part in sport and physical activity.</p>	<ul style="list-style-type: none"> <li>• Use your file to revise key content.</li> <li>• Ensure you have work done prior to deadlines to enable you to redraft and refine your work before submitting it.</li> <li>• Use google classroom to ensure all tasks are up to date.</li> <li>• Use the step by step guides when completing tasks.</li> </ul>
<b>Spring Term</b>		
<b>Topic</b>	<b>What you will learn</b>	<b>How you can improve further</b>
<b>Component 1</b>	<p>In this component, you will develop transferable skills, such as research and analytical skills and will give you opportunities to develop skills in the different technologies used in sport and activity. You will complete your Pearson set written assignment within this term.</p>	<ul style="list-style-type: none"> <li>• Use your file to revise key content.</li> <li>• Ensure you have work done prior to deadlines to enable you to redraft and refine your work before submitting it.</li> <li>• Use google classroom to ensure all tasks are up to date.</li> <li>• Use the step by step guides when completing tasks.</li> </ul>
<b>Summer Term</b>		
<b>Topic</b>	<b>What you will learn</b>	<b>How you can improve further</b>
<b>Component 2</b>	<p>Taking Part and Improving Other Participants Sporting Performance:</p> <p>A- Understand how different components of fitness are used in different physical activities</p>	<ul style="list-style-type: none"> <li>• Use your file to revise key content.</li> <li>• Ensure you have work done prior to deadlines to enable you to redraft and refine your work before submitting it.</li> <li>• Use google classroom to ensure all tasks are up to date.</li> <li>• Use the step by step guides when completing tasks.</li> </ul>
<b>Key words</b>		
<b>Useful links</b>	BTEC Sport Google Classroom	

<b>Subject:</b>	<b>GCSE Statistics</b>	<b>Key Stage 4: Year 10</b>
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### Autumn Term

Topic	What you will learn	How you can improve further
<b>Types of Data</b>  <b>Sampling Methods</b>  <b>Planning and Collecting Data</b>	<ul style="list-style-type: none"> <li>Know the different sampling methods and data types.</li> <li>Be able to explain the advantages and disadvantages of different types of sampling method.</li> <li>Understand the statistical enquiry cycle and be able to identify problems at each stage.</li> </ul>	<ul style="list-style-type: none"> <li>Focus on learning the different sampling methods and their advantages and disadvantages.</li> <li>Ensure you are confident with all cross-over maths content including drawing and interpreting pie charts, bar charts, cumulative frequency diagrams and histograms.</li> <li>Consider purchasing a CGP revision guide (through the school) when given the opportunity.</li> <li>Attend Homework Helpdesk after-school on a Thursday for extra support.</li> </ul>
<b>Measures of Dispersion</b>  <b>Correlation</b>	<ul style="list-style-type: none"> <li>Calculate averages from grouped and ungrouped data.</li> <li>Calculate measures of dispersion including the interquartile range and standard deviation.</li> <li>Calculate and interpret Spearman's Rank Correlation Coefficient.</li> </ul>	

### Spring Term

Topic	What you will learn	How you can improve further
<b>Moving Averages and Trends</b>  <b>Probability Diagrams</b>  <b>Binomial Distribution</b>	<ul style="list-style-type: none"> <li>Plot and interpret a time series graph.</li> <li>Be able to calculate moving averages and understand trends in data.</li> <li>Draw and interpret probability diagrams including Venn diagrams, tree diagrams and sample spaces.</li> <li>Understand how to use the Binomial distribution to calculate probabilities.</li> </ul>	<ul style="list-style-type: none"> <li>Use Corbettmaths and Mathsgenie to find exam-style questions on the probability topics. Use the tutorial videos to help!</li> <li>Attend Homework Helpdesk after-school on a Thursday for extra support.</li> <li>Revise content covered in the first term to check you have a secure understanding of what has been taught so far.</li> <li>Prepare for the upcoming Statistics mock by using the websites linked below. Practise past paper questions regularly.</li> </ul>
<b>Normal Distribution</b>  <b>Quality Assurance</b>	<ul style="list-style-type: none"> <li>Know the shape of a normal distribution curve and understand why this occurs.</li> <li>Use key parameters from the normal distribution to explain the methods used in quality assurance.</li> </ul>	

### Summer Term

Topic	What you will learn	How you can improve further
<b>Exam Preparation</b>  <b>Statistics in Science</b>	<ul style="list-style-type: none"> <li>Prepare for the upcoming GCSE examination by consolidating understanding of challenging topics.</li> <li>Practise exam style questions and identify areas of strength and weakness.</li> <li>Apply the skills and mathematical techniques gained in the statistics course to science topics.</li> <li>Be able to scrutinise given data to assess its accuracy, validity and reliability.</li> </ul>	<ul style="list-style-type: none"> <li>Follow a timetable to ensure short, regular chunks of Statistics revision are being completed each week.</li> <li>Prepare flash cards to practise declarative knowledge (things you have to know).</li> <li>Practise exam style questions using mathsgenie or Statsacademy.</li> <li>Identify areas of weakness and ask your class teacher for support if needed.</li> </ul>

<b>Key words</b>	Quantitative, qualitative, quota, stratified, correlation, systematic, coefficient, dispersion, standard deviation, variance, binomial distribution, skew, outlier, anomaly, index, crude rates.
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<b>Useful links</b>	SPARX, <a href="https://corbettmaths.com/">https://corbettmaths.com/</a> , <a href="https://www.mathsgenie.co.uk/">https://www.mathsgenie.co.uk/</a> , <a href="https://www.statsacademy.co.uk/">https://www.statsacademy.co.uk/</a>
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