



What your child will study in Year 10

Course title/Exam board and specification	Autumn Term	Spring Term	Summer Term	Extended Curriculum (recommended additional reading/websites/visits for use at home)
<p>Art</p> <p>AQA GCSE Craft and Design Course Structure Portfolio of work year 1 & 2 Controlled assessment 60% of the total marks Marked out of 80</p>	<p>Skills development phase- Theme Natural Form. Students will be taught how to record in a variety of ways including: continuous line, analytical drawing, printing, collage. They will use pencil, graphite, chalk and charcoal, pen, oil pastel, soft pastel, in , watercolour. Each skill will be anchored by using the theme of natural form. They will use real life objects and photography to record natural form. Each skill will also be part of a study of artists like Liz Brady, Claire Harrison, Angie Lewin. Written work will be used to annotate what they have observed and artists studies.</p>	<p>A final Natural Form piece will be developed using the images from term 1 in the style of Liz Brady. Students will then take the Natural Form heading and write their own proposal for an extended project covering all 4 Assessment objectives. These could include the human form or issues related to humans. Students will be more independent in their research and development using their skills from last term. Sketchbooks will be used to record the stages of this project and relevant artists must be researched.</p>	<p>Students begin a project on the theme of culture, this can be any culture of their choice. They must cover all 4 assessment objectives, researching, recording and developing ideas creating a final piece that reflects their journey in to what they have learnt and should include the study of artefacts, religion, buildings, textiles and the timeline through history. Students by now have had experience of a wide range of materials but will also have workshops in silk painting, modrock modelling and printing.</p>	<p>www.studentartguide.com/ is an excellent student resource. www.tate.org.uk/ Manchester Museum and the Lowry will enhance student’s experience of art. Visits to Manchester Museum and Liverpool world museum would help to collect images for the Culture project.</p>
<p>BTEC Technical award in Enterprise</p>	<p>Component 1: Investigating Enterprise A1 What is an enterprise? <ul style="list-style-type: none"> • Enterprises carry out one or more activities, such as being involved with goods, services or both. • Most enterprises face some kind of competition. • Enterprises need to attract and keep customers happy and often face difficulties in capturing and retaining customers. • The role of customer service in attracting new customers, securing repeat purchase, customer loyalty and an improved reputation. </p>	<p>B1 Customer needs <ul style="list-style-type: none"> • The importance of anticipating and identifying customer needs. • Identifying customer expectations: • After-sales service. • The ways in which different products can be linked to different kinds of customers according to age, gender, income, lifestyle and location. <p>B2 Using market research to understand customers <ul style="list-style-type: none"> • Qualitative research – based on individual customer responses, open-ended questions. </p> </p>	<p>C3 Situational analysis <ul style="list-style-type: none"> • Using situational analysis to identify how internal and external factors might affect an enterprise, to include: o SWOT o PEST <p>C4 Measuring the success of an SME <ul style="list-style-type: none"> • Measures of success of SMEs – how far they meet business aims – surviving, breaking even, making a profit, meeting customer needs. • Reasons for the success of SMEs: • Methods of measuring success, <p>Component 2: Planning for and Running an Enterprise</p> </p></p>	<p>Students need to keep up-to-date with the business world. This can be done through various media including TV, print and the internet. The best source for UK business is the BBC website. https://www.bbc.co.uk/news/business The best print is the Times or Guardian newspapers. www.thetimes.co.uk/ https://www.theguardian.com/uk/business</p>

<ul style="list-style-type: none"> • Enterprises use creativity and innovation to meet customers' needs by identifying gaps in the market for goods or services, or by identifying a market for new goods or services. • Reasons why some enterprises fail. <p>A2 Types and characteristics of small and medium enterprises (SMEs) Definition of SMEs:</p> <ul style="list-style-type: none"> o micro – up to 10 people o small – between 11–49 staff o medium – between 50–249 staff. <ul style="list-style-type: none"> • Characteristics of SMEs: o run by a single individual or small team of people o small number of employees o type of ownership – sole trader, partnership, ltd. o physical location and/or operate online. <p>A3 The purpose of enterprises</p> <ul style="list-style-type: none"> • Aims such as making a profit, surviving, expanding, maximising sales, providing a voluntary or charitable service, being environmentally friendly, being ethical. • Objectives that can provide challenges and targets over a defined period of time. • How social and political pressures can influence enterprises to consider wider ethical responsibilities. • Range of the types of products and services provided by enterprises. <p>A4 Entrepreneurs</p> <ul style="list-style-type: none"> • Reasons for starting own enterprise – to be your own boss, to pursue a hobby, flexibility. • Mind set: focus, passion, motivated and dedicated, inventive or innovative, 	<ul style="list-style-type: none"> • Quantitative research – based on numerical and statistical data. • Primary research – research carried out directly with potential customers. • Types of primary research. • Secondary research – using existing research from third parties. • Sources of secondary research. <p>B3 Understanding competitors</p> <ul style="list-style-type: none"> • The main features which make products competitive: o price o quality o availability o unique features and selling points (USP). • Identifying competitors. • How products stand out from similar products in the market. <p>C1 Internal factors</p> <ul style="list-style-type: none"> • Factors within the control of the enterprise that can impact positively or negatively on costs, to include: o understanding the market – who the competition is, what customers want o keeping customers satisfied – the ability to meet customer needs better than its competitors on quality, price, features, customer service, availability, convenience o effective planning and financing o marketing and promoting the enterprise o unforeseen human resources costs, e.g. staff illness. <p>C2 External factors</p> <ul style="list-style-type: none"> • Factors outside the control of the enterprise that can impact positively or negatively on costs. 	<p>A1 Generating ideas for a micro-enterprise activity</p> <p>Learners will use their experience from exploring enterprises to generate and then decide on an idea for a realistic micro-enterprise. This may involve some research to help make some decisions, for example for customer profile and price, but the key focus is on the development of the plan.</p> <ul style="list-style-type: none"> • Ideas could involve: o innovation of products/services o provision of products/services in new contexts o provision of products/services to new markets. • Selection of final idea should consider factors such as resources available, financial forecasts, costing and pricing, methods of communication and promotion, potential customers, skills of people in group. • Skills audit by learner to consider: o leadership, personal and communication skills required o technical and practical skills required. <p>A2 Planning for a micro-enterprise activity</p> <p>Learners will draw on their exploration of enterprises to draw up an implementation plan for their chosen idea to include:</p> <ul style="list-style-type: none"> • Aims of the micro-enterprise: • Product or service to be sold, including: • Identify the target market: • Methods of communication with the customer: • Resources required: 	<p>The BBC also runs the two programmes The Apprentice and Dragons Den which are useful to watch entrepreneurs in action.</p> <p>Students can also access the following websites for revision notes.</p> <p>https://www.bbc.com/bitesize/subjects/zpsvr82</p> <p>https://revisionworld.com/gcse-revision/business-studies</p>
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	<p>proactive, confident, flexible and adaptable, resilient, having vision and the capacity to inspire.</p> <ul style="list-style-type: none"> • Skills for success: knowledge of industry/sector, technical skills, interpersonal communication skills, planning, time management, negotiation, prioritising tasks, problem solving, managing risk. 	<ul style="list-style-type: none"> • Factors outside the control of the enterprise that can impact positively or negatively on revenues. 	<ul style="list-style-type: none"> • Risk assessment, for example risks could include: 	
<p>Computer Science</p> <p>Edexcel GCSE 9-1</p>	<ul style="list-style-type: none"> • Computational thinking, algorithms and Problem Solving 	<ul style="list-style-type: none"> • Programming • Data e.g. binary, data types and file compression 	<ul style="list-style-type: none"> • Hardware and Software • Assembly Language • Fetch-decode-execute cycle 	<p>www.codecademy.com/learn/python</p> <p>https://code.org</p> <p>http://www.bbc.co.uk/education/subjects/z34k7ty</p>
<p>Creative iMedia</p> <p>OCR Cambridge Nationals, Level 2.</p> <p>3 pieces of coursework (75%) and one written exam (25%)</p>	<p>Students will learn about the basic principles of digital design – hierarchy, colour, layout, typography, imagery, pitching, file formats, print formats and famous graphic designers.</p> <p>Students will spend four weeks learning Adobe Photoshop and the skills that will be needed to create a piece of digital graphics work (worth 25%).</p> <p>Students will then complete their first piece of coursework - RO82 Digital Graphics. Student have to create an A3 poster for a film festival, along with a development folder.</p>	<p>Student will spend four weeks learning Scratch & Adobe Illustrator skills in preparation for their games development piece of coursework (worth 25%).</p> <p>Students will revise for their written exam – RO81. This includes creating pre-production documents, the principles of digital design, design legislation, evaluating digital documents etc.</p> <p>Students will complete their second piece of coursework – RO92 Games Development. Students have to design and build a playable video game.</p>	<p>Students complete their externally marked written exam in June. The exam is 1hr 15mins and is worth 25% of the student’s final grade.</p> <p>Students will spend the remainder of the term learning Adobe After Effects and Flash in preparation for their digital animation piece of coursework which will be completed in Y11 (worth 25%)</p>	<p>https://www.digitalartsonline.co.uk/tutorials/</p> <p>https://www.adobe.com/uk/creativecloud.html</p> <p>https://edex.adobe.com/</p>
<p>Design & Technology</p> <p>Eduqas GCSE</p>	<p>Students will study each material area in DT. They will first study materials and manufacturing processes in Resistant Materials and Graphic Products.</p>	<p>Students will study each material area in DT They will study materials and manufacturing processes in Textiles and Systems and Control.</p>	<p>Students will complete several research tasks into materials and components.</p> <p>Final design and make task before the release of the Controlled Assessment in year 11.</p>	<p>Design & Technology:</p> <p>http://www.technologystudent.com/</p> <p>http://www.design-technology.info/home.htm</p>

<p>50% Controlled Assessment 35 Hours</p> <p>50% Written Exam</p>	<p>They will also complete a design and make project to reinforce learning and develop designing and making skills.</p>	<p>They will also complete a design and make project focusing on analysing, developing and evaluation.</p>	<p>This project must cover all assessment objectives taught throughout year 10.</p>	<p>http://www.bbc.co.uk/schools/gcsebitesize/design/</p> <p>http://www.designandtech.com/</p>
<p>Drama</p> <p>GCSE AQA Exam Board</p>	<p>Skill Building Introduction to the course Students participate in a variety of workshops to develop skills and understanding of the assessment criteria. The focus is building confidence, experience and using exemplar work to demonstrate the expectations and performance standards.</p> <p>Mock - Component 2 Devised Theatre Mock Devised Performance Students will complete a study and research of a theme as their stimulus. Students will create and rehearse a performance linking to the stimulus which must have artistic intentions (an aim which the performance wishes to achieve) This is performed to parents and friends before the students evaluate their progress.</p>	<p>Component 1 Examination</p> <p>Live Theatre Review Students will complete a study and analysis of a piece of theatre they have seen. They will prepare for possible examination questions, refine their work and redraft to ensure they have a clear understanding of the performance and the possible questions they will study.</p>	<p>Component 2 Devising Theatre (40%) Marks are given towards final GCSE</p> <p>The students will be placed under controlled assessment/supervised time. All lessons are marked towards their final GCSE grade. They will:</p> <ul style="list-style-type: none"> • Research set theme • Develop ideas • Collaborate with group • Rehearsal, refine and develop work in progress • Analyse and evaluate individual process of creating devised drama • Create a devising logbook (50% of marks for written work) <p>Students are assessed on:</p> <ul style="list-style-type: none"> • Creation of meaning • Communication of meaning • Realisation of artistic intentions • Demonstration of performance skills • Demonstration of a high level and wide range of theatrical skills • Inventive performance ideas <p>All work is performed to parents and recorded to be sent to the Examination board for external assessment/Moderation</p>	<p>The following revision guides may be useful but are not compulsory AQA GCSE Drama by Annie Fox ISBN-13 9781911208211 GCSE Drama 9-1 Revision Guide published by CGP Books ISBN: 9781782949626. Also available from the CGP website are guide books for the set play Blood Brothers ISBN: 9781782949664</p> <p>Theatre Trips are run through school year and we encourage the students and their families to visit the theatres in our community and Greater Manchester to experience as much Live Theatre as possible.</p> <ul style="list-style-type: none"> • Royal Exchange, Manchester (They hold regularly Family Days which are free) • Waterside Arts Centre, Sale • Garrick Theatre, Altrincham • Lowry Theatre, Salford • National TV & Radio Museum, Bradford (Free)

				<ul style="list-style-type: none"> • Contact Theatre for Young People, Manchester (Often hold free events) <p>Exemplar work Students should spend time watching GCSE work on youtube. Simply visit youtube – and search ‘GCSE Drama’ You will find a range of videos from different schools and you can find inspiration to apply to work in your lessons.</p>
<p>English</p> <p>AQA GCSE Language and AQA GCSE Literature</p>	<p>A Christmas Carol Students start their GCSE studies with the novel A Christmas Carol, which is one of their examination texts for Literature. There is a focus on themes, writer’s ideas, language and structure. Assessment is through a GCSE style essay question.</p> <p>Language Paper1: Creative Reading and Writing Students will study a range of 20th and 21st century fictional texts by different writers. They will be prepared how to answer 4 questions on previously unseen texts. Questions focus on information retrieval, use of language, use of structure, and evaluation of a text. They will also develop their own writing skills for a choice of narrative or descriptive writing tasks on this paper.</p>	<p>Language Paper2 Students will study a range of fiction and non-fiction texts from the 19th, 20th and 21st centuries. They will be prepared how to answer questions on previously unseen texts. Questions focus on understanding, summary and explanation, use of language, and comparison. They will also develop their own writing skills from a particular perspective.</p> <p>Speaking and Listening Students will complete a speaking and listening assignment in the form of a presentation to their peers.</p>	<p>GCSE Language Examinations Students will sit their GCSE Language examinations this term.</p> <p>GCSE Literature Paper 2 Poetry Students will begin their study of the 15 GCSE poems linked by the theme of Power and Conflict.</p>	<p>Research the Victorian and Edwardian era, and Charles Dickens to fully understand the context of <i>A Christmas Carol</i>.</p> <p>Read other novels by Dickens, including <i>Oliver</i> and <i>Great Expectations</i>.</p> <p>Read a range of stories and/or novels from across the 19th, 20th and 21st century, or even just the opening chapters to get used to different writing styles.</p> <p>Select a title from the <i>Books to Read Before You Die</i> list or one of the books shortlisted for the <i>Booker Prize</i> each year.</p> <p>Enter a writing competition. Try the <i>Young Writers Website</i>, or listen out for the annual <i>BBC 500 Words</i> writing competition.</p>

<p>Food Preparation and Nutrition</p> <p>WJEC</p>	<p>* Macro and Micro nutrients their sources and functions in the body</p> <p>* Dietary fibre</p> <p>*Energy requirements of individuals.</p> <p>*Planning a balanced diet based on different life stages.</p>	<p>*Food Science Heat transfer Carbohydrates, protein, fats, fruits and vegetables Raising agents (chemical, physical and biological)</p> <p>*Food Spoilage</p> <p>*Developing recipes and meals</p>	<p>*Food provenance *Food manufacturing (visit to Cadbury world) * Factors affecting food choice *2nd Trial Food Science assessment task</p>	<p>http://www.bbc.co.uk/schools/gcsebitesize/science/21c_pre_2011/food/</p>
<p>French</p> <p>AQA 8658</p>	<p>Me, my family and friends</p> <p>Relationships with family and friends</p> <p>Home, town, neighbourhood and region</p>	<p>My studies Social issues</p> <p>Healthy/ unhealthy living</p> <p>Life at school/ college</p>	<p>Customs and festivals in Spanish-speaking countries/ communities</p> <p>Travel and tourism</p> <p>Education post-16</p> <p>Year-end assessments</p> <p>Transition to Year 2: Me, my family and friends</p> <p>Marriage/ partnership</p>	<p>www.linguascope.com (intermediate) (see staff for password)</p> <p>www.funwithlanguages.vacuum.com</p> <p>www.digitaldialects.com</p> <p>www.bbc.co.uk/education/subjects/zgdqxn</p> <p>SHMOODLE> FRENCH> GCSE FRENCH: a comprehensive list of links to past papers and revision websites.</p>
<p>Geography</p>	<p>Units and main case studies:</p> <ul style="list-style-type: none"> • Natural Hazards • Living world (Amazon and Thar desert) • UK's landscapes (Rivers and coasts, Holderness, River Tees) • The changing economic world and the UK, Nigeria • Resources overview and water • Urban issues and challenges Mumbai and Manchester <p>The Challenge of Natural Hazards</p>	<p>Physical landscapes in the UK</p> <ol style="list-style-type: none"> 1. Where are the major upland, river basins and lowlands areas of the UK? 2. What is the coast? 3. How do destructive and constructive waves shape the coast? 4. Coastal processes 5. Coastal landforms 6. How can the coast be protected from erosion? 	<p>Field work/geographical skills</p> <p>Students will attend a field trip (one in year 10 and one in year 11) at contrasting locations/topics e.g. one fieldwork will be from a physical topic and the other from a human.</p> <p>Students will conduct the field work, analyse their findings and write a report.</p>	<p>Revision Book: My Revision Notes: AQA GCSE (9-1) Geography Blackshaw Rebecca, Ross Simon ISBN: 9781471887314 Publisher: Hodder Education</p> <p>BBC Bitesize AQA geography grades 1-9</p>

	<p>1. What is a natural hazard, categorise and what factors affect risk</p> <p><i>Tectonics</i></p> <p>2. Describe E/V distribution, describe plate boundary types.</p> <p>3. Poor and rich world case studies of two contrasting earthquakes – causes, effects and response.</p> <p>4. Why people continue to live in tectonically hazardous zones & how to PPP</p> <p><i>Weather</i></p> <p>1. Describe the global atmospheric circulation model and how it affects weather.</p> <p>2. Where to tropical revolving storms happen?</p> <p>3. Impacts and responses to tropical revolving storms.</p> <p><i>Climate change</i></p> <p>1. Evidence for and against CC</p> <p>2. Natural and human causes of CC</p> <p>3. Impacts of CC UK and globally</p> <p>4. Mitigation strategies to reduce impacts. Evaluate adaptation strategies to reduce impacts</p> <p>The economic world</p> <p>Urban issues and challenges</p> <p>1. Rates of urbanisation around the world.</p> <p>2. Causes of urbanisation.</p> <p>3. What/growth of Megacities</p>	<p>7. OS map/geographical skills on coast</p> <p>8. What is the river long profile?</p> <p>9. Types of erosion along a river?</p> <p>10. River processes</p> <p>11. River landforms of the upper, middle and lower course.</p> <p>12. How different physical characteristics help shape the land?</p> <p>13. What are hydrographs and how to interpret them?</p> <p>14. What affects the flow of a river?</p> <p>15. How can rivers/the areas around them be protected?</p> <p>16. How to reduce flooding?</p> <p>17. OS map/geographical skills on rivers</p> <p>The economic world</p> <p>1. Methods of classifying countries and what are developmental indicators?</p> <p>2. Demographic Transition Model</p> <p>3. Causes of uneven development</p> <p>4. How can the development gap be reduced?</p> <p>5. How can tourism in a developing country be used to reduce the development gap?</p> <p>6. Explain why a developing country is important within Asia and internationally?</p> <p>7. Describe the changing industrial structure within this country</p> <p>8. How has this country developed economically?</p> <p>9. What companies operate here and why?</p>		<p>Cool geography (click the GCSE tab at the top of the page)</p>
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	<p><i>Case study of a developing country</i></p> <ol style="list-style-type: none"> 1. Examine the opportunities in Mumbai 2. Examine the challenges in Mumbai. 3. Explain and evaluate how Mumbai can plan to improve <p><i>Case study of a developed country – Manchester</i></p> <ol style="list-style-type: none"> 1. Explain why Manchester is important nationally/ internationally. Explain why Manchester has grown. 2. Explain the impact of national and international migration on the growth/ character of Manchester 3. Explain, analyse and evaluate the opportunities in Manchester 4. Explain, analyse and evaluate the challenges in Manchester 5. Explain, analyse, evaluate how Manchester as undergone regeneration. <p><i>Urban sustainability</i></p> <ol style="list-style-type: none"> 1. How can people live sustainably? 2. Explain how urban living can be sustainable 	<ol style="list-style-type: none"> 10. How has aid helped develop this country? 11. How has deindustrialisation happened in the UK? 12. How has the economy of the UK changed? 13. What is the north-south divide? 14. What are the regional differences within the UK? 15. Analyse the globalisation and interdependence of the UK with the rest of the world. 		
<p>Health and Social Care</p> <p>BTEC Tech Award</p>	<p>Unit 1: Understand human growth and development across life stages and the factors that affect it (Internal Assessment)</p>	<p>Unit 2: Health and Social Care Services and Values (Internal Assessment)</p>	<p>Learning aim B: Demonstrate care values and review own practice</p> <p>B1 Care values</p>	<ul style="list-style-type: none"> • www.educationforum.co.uk • http://excellence.qia.gov.uk • http://getrevising.co.uk • www.bbc.co.uk/health

	<p>Learning aim A: Understand human growth and development across life stages and the factors that affect it</p> <p>A1 Human growth and development across life stages A2 Factors affecting growth and development</p> <p>Learning aim B: Investigate how individuals deal with life events</p> <p>B1 Different types of life event B2 Coping with change caused by life events</p>	<p>Learning aim A: Understand the different types of health and social care services and barriers to accessing them</p> <p>A1 Health and social care services A2 Barriers to accessing services</p> <p>Learning aim B: Demonstrate care values and review own practice</p> <p>B1 Care values B2 Reviewing own application of care values</p>	<p>B2 Reviewing own application of care values</p>	<ul style="list-style-type: none"> • www.bbc.co.uk/health/health over 50 • www.bbc.co.uk/parenting • www.bbc.co.uk/health/health y living/your weight • www.nhs.uk • www.nhs.direct.nhs.uk • www.nhscareers.nhs.uk • www.patient.co.uk • www.childcarelink.gov.uk • www.communitycare.co.uk • www.socialworkcareers.co.uk • www.ageconcern.org.uk • www.helptheaged.org.uk • www.teachernet.gov.uk • www.had-online.org.uk/yphnews • www.teachers-direct.co.uk/resources/quiz-busters • www.foodforum.org.uk <p>This is for the “Nutrients” V2 dietary analysis software. A free download demo is currently available.</p>
<p>History AQA</p>	<p>Conflict and tension 1918 – 1939</p> <ul style="list-style-type: none"> • Diplomacy outside the League of Nations • The collapse of the League of Nations <p>The Origins of the Second World War</p> <ul style="list-style-type: none"> • The development of tension • The escalation of tension The outbreak of war <p>Revision of the whole unit 1918 – 1939</p>	<p>Germany 1890 – 1945 Democracy and Dictatorship</p> <ul style="list-style-type: none"> • Kaiser Wilhelm and the difficulties of ruling Germany • Impact of the First World War • The Stresemann Era • The Depression and rise of the Nazis • The failure of Democracy • The establishment of Hitler’s dictatorship 	<p>Germany 1890 – 1945</p> <ul style="list-style-type: none"> • Economic changes under the Nazis • Social policies and practice • Control and resistance 	<p>MAIN Revision Book: CGP GCSE AQA History</p> <p>Relevant textbooks:</p> <p>Conflict and Tension 1918-1939, Ellen Longley, Oxford University Press</p> <p>Germany 1890-1945 Democracy and Dictatorship, Aaron Wilkes, Oxford University Press</p>

				<p>http://www.historyonthenet.com/ww2/causes.htm</p> <p>http://www.johndclare.net/RoadtoWWII7a.htm</p> <p>http://www.history.co.uk/study-topics/history-of-ww2/nazi-germany</p> <p>http://www.bbc.co.uk/schools/gcsebitesize/history/mwh/germany</p> <p>http://www.historylearningsite.co.uk/nazi-germany/</p> <p>a visit to the Imperial War Museum North would be beneficial.</p>
<p>GCSE Mathematics</p> <p>AQA 8300</p>	<p>Higher</p> <p>Circles</p> <p>Circle theorems</p> <p>Constructions and loci</p> <p>Proportion</p> <p>Ratio and scales</p> <p>Percentage change</p> <p>Factors and multiples</p> <p>Powers and roots</p> <p>Surds</p> <p>Equation of a straight line</p> <p>Linear and quadratic functions</p> <p>Properties of quadratic functions</p> <p>Kinematic graphs</p>	<p>Higher</p> <p>3D shapes</p> <p>Volume of a prism</p> <p>Volume and surface area</p> <p>Getting ready</p> <p>Averages and spread</p> <p>Box plots and cumulative frequency graphs</p> <p>Scatter graphs and correlation</p> <p>Time series</p> <p>Calculating with roots and indices</p> <p>Exact calculations</p> <p>Standard form</p> <p>Foundation</p>	<p>Higher</p> <p>Cubic and reciprocal functions</p> <p>Exponential and trigonometric functions</p> <p>Real-life graphs</p> <p>Gradients and areas under graphs</p> <p>Equation of a circle</p> <p>Pythagoras' theorem</p> <p>Trigonometry 1</p> <p>Trigonometry 2</p> <p>Pythagoras and trigonometry problems</p> <p>Vectors</p> <p>Sets</p> <p>Possibility spaces</p> <p>Tree diagrams</p>	<p>The following websites can be used to help your child develop further understanding in each of the topics taught throughout the academic year:</p> <p>www.mymaths.co.uk</p> <p>This website is linked to the AQA maths examination body whose examination they will sit at the end of year 11.</p> <p>Other useful websites include:</p> <p>http://www.bbc.co.uk/education/subjects/zqhs34j</p> <p>www.mathsbot.com</p>

	<p>Foundation Circles Constructions Loci Proportion Ratio Percentage change Factors and multiples Prime factor decomposition Powers and roots Drawing straight-line graphs Equation of a straight line Kinematic graphs</p>	<p>3D shapes Volume of a prism Volume and surface area Frequency diagrams Averages and spread 2 Scatter graphs and correlation Time series Calculating with roots and indices Exact calculations Standard form</p>	<p>Conditional probability Foundation Properties of quadratic functions Sketching functions Real-life graphs Pythagoras' theorem Trigonometry Vectors Sets Possibility spaces Tree diagrams</p>	<p>http://online.justmaths.co.uk/ https://mathslinks.net/links/mr-carter-maths https://www.mrbartonmaths.com/ http://donsteward.blogspot.co.uk/</p> <p>GCSE Maths AQA Revision Guide: Higher - for the Grade 9-1 Course isbn:978 1 78294 395 2</p> <p>GCSE Maths AQA Revision Guide: Foundation - for the Grade 9-1 Course ISBN: 978 1 78294 391 4</p> <p>GCSE Maths AQA Workbook: Higher - for the Grade 9-1 Course ISBN: 978 1 78294 397 6</p> <p>GCSE Maths AQA Workbook: Foundation - for the Grade 9-1 Course ISBN: 978 1 78294 392 1</p>
<p>Music EDEXCEL Level1/Level2 GCSE (9-1) in Music (1 MUO)</p>	<p>During the first few weeks students will gain an in-depth knowledge of what is required from the three key elements of the course (Listening and Appraising, Performance and Composition), they will also review music theory from KS3 and build on this to include elements necessary to the KS4 course.</p>	<p>Listening and Appraising: Students will review the key points of Bach, Beethoven and Instrumental Music 1700-1820 and will then begin to relate this information to unfamiliar pieces which is a key part of the new syllabus.</p>	<p>Listening and Appraising: Students will focus on the comparison of 'Queen's 'Killer Queen' and Purcell's 'Music for a While with unfamiliar vocal music. Summer Term 2 will lead on to Music for Stage and Screen with the analysis</p>	<p>Additional listening to practice comparing key features: Instrumental Music (to link to Bach and Beethoven): G F Handel: Concerto Grosso op 6 no. 5, second movement • A Vivaldi: 'Winter' from the Four Seasons concerti</p>

<p>Set Works for year 10 (new syllabus only):</p> <p>J.S Bach ‘Brandenburg Concerto No 5’ (Mvt 3)</p> <p>Beethoven ‘Piano Sonata Op13 No8 in C minor’ (‘Pathetique’)</p> <p>Purcell ‘Music for a While Queen ‘Killer Queen’ (from the album ‘Sheer Heart Attack’)</p> <p>Schwartz ‘Defying Gravity’ from the musical ‘Wicked’</p> <p>J Williams Main title/rebel blockade runner (from the soundtrack to Star Wars Episode IV: A New Hope)</p>	<p>Listening and Appraising: The study of ‘Instrumental Music 1700-1820’ and analysis of the first two set works (Bach and Beethoven). End of unit tests will be completed in the style of formal exam questions.</p> <p>Composition: Composition 1 will be based on a Rondo structure</p> <p>Performance: Students will be expected to attend a weekly peripatetic music lesson to support them in their performances. During this term they will be building on skills and choosing a suitable solo – possibly for performance in the Christmas Carol Concert.</p>	<p>In Spring Term 2 they will move to ‘Vocal Music’ to study Purcell’s ‘Music for a While’ and ‘Killer Queen’.</p> <p>Composition: Students will continue to work to complete composition 1 and will supplement their time in the classroom with a 1 hour session every other week as an extra-curricular session.</p> <p>Performance: Students will be expected to perform either a solo or an ensemble piece to their GCSE class. This will be recorded and graded as per the exam. Specific feedback will be given to assist improvement.</p>	<p>of ‘Defying Gravity’ and the title theme from ‘Star Wars: A New Hope’.</p> <p>Composition: Students work to refine composition 1 during the 1 hour extra-curricular lesson.</p> <p>Performance: Following on from Spring performances, students will work to improve and re-record either their solo or ensemble piece.</p> <p>NB: It expected that students will complete several solo pieces during the course and we will select a performance which will gain the best grade.</p>	<p>Vocal Music (to link to Purcell and Queen)</p> <ul style="list-style-type: none"> • G F Handel: ‘The Trumpet Shall Sound’ (bass), ‘Rejoice Greatly’ (soprano) and ‘Every Valley’ (tenor) from Messiah <p>Music for Stage and Screen (to link to Schwartz and Williams)</p> <ul style="list-style-type: none"> • Tim Minchin: ‘Naughty’ from Matilda
<p>PE</p> <p>AQA GCSE Paper 1 30%</p>	<ul style="list-style-type: none"> • Structure and function of the skeletal system • Lever systems, examples of their use in activity 	<ul style="list-style-type: none"> • Structure and function and the cardio-respiratory system • Planes and axes of movement 	<ul style="list-style-type: none"> • Anaerobic and aerobic exercise • The short and long term effects of exercise 	<ul style="list-style-type: none"> • BBC GCSE Bitesize • AQA You tube video • Muscle in motion website

<p>The human body and movement in physical activity and sport 1hr and 15mins Paper 2 30% Socio-cultural influences and well-being in physical activity and sport 1hr and 15mins Practical: 40% Analysis of Performance 10% 2 x individual sport and 1 x team 30% or 2 x team sport and 1 x individual 30%</p>	<ul style="list-style-type: none"> • Sport Psychology (skills; SMART targets; information processing; guidance; feedback; inverted U theory of arousal; aggression; personality) 	<ul style="list-style-type: none"> • Socio-cultural Influences (barriers to participation; gender; socio economic; family; disability; education; sexism; media etc...) 	<ul style="list-style-type: none"> • Commercialisation of physical activity and sport (golden triangle; sponsorship; media; technological developments) 	<ul style="list-style-type: none"> • Cross-curricular with science • My revision notes AQA GCSE (9-1) PE Second Edition ISBN 978-1-5104-0523-3 Hodder Education • Zigzageducation.co.uk
	<p>What is Islam?</p> <p>What is the Shahadah and the 99 names of Allah? Who was the prophet Muhammad? What happened on the Night of Power? Why is the Qur'an so important to Muslims? What is Haram and Halal?</p>	<p>Holy Week:- Why did Jesus die?</p> <p>What was the background to Palestine at the time of Jesus?- snap card game. What happened on Palm Sunday? Why was Jesus a Rebel? Why is The Last Supper important to Christians? Why did The Arrest and trial lead to Jesus' death?</p>	<p>How do Christians worship?</p> <p>What is Inside a Church? How are the different denominations churches different? 5-7Church Project: Design a church for every type of Christian. X3</p> <p>What is holy communion and confirmation?</p>	<p>www.request.org</p> <p>We do not feel that any commercially produced revision products are up to standard so provide students with more appropriate materials in class.</p>

	<p>Why do Muslim women wear a hijab? How do Muslims worship?</p> <p>What are the main Muslim celebrations? What are the 5 pillars and what characteristics do they encourage? Why is Zakah (Charity) important? How do Muslims worship in the Mosque? What happens in Hajj (pilgrimage) and why is it important?</p>	<p>What does Easter remember?</p> <p>What happened at the Crucifixion? What happened at the Resurrection? Why is Jesus' death and resurrection 'Good News'? How do Christians remember Jesus' death and resurrection at Easter?</p>	<p>What is Baptism and why is it important? How do Christians worship through good deeds?</p>	
<p>Combined Science GCSE (9-1) Edexcel</p>	<p>Chemistry Topics 5, 6, 7 and 8 – Ionic and covalent bonding. Types of substance and acids and alkalis. Review Chemistry Topics 1-4 – States of matter, separating techniques, atomic structure and the periodic table. Biology Review Topics 1, 2 and 5 – Key concepts in biology, cells and control, health, disease and the development of medicines. Biology Topic 6 – Plant Structure and their functions.</p>	<p>Physics Review topics 1, 2 & 3 – Motion, forces and motion and conservation of energy. Physics Topic 6 and 7 – Radioactivity, energy, force and their effect. Chemistry Topics 9 and 10 – Calculations, electrolytic processes, obtaining metals, reversible reactions and equilibria. Review Core practicals and skills – Core practical ppts. Review Physics Topics 4 and 5 – Waves, light and the electromagnetic spectrum.</p>	<p>Chemistry Topics 9 and 10 – Electrolytic processes, obtaining metals, reversible reactions and equilibria. Biology Topics 7 and 8 – Animal coordination, control and homeostasis, exchange and transport in animals – Continue after exams if required. Review Biology Topics 3 and 4 – Genetics, natural selection and genetic modification. Revision for end of Year exam – Revision lessons, walking talking exams papers, key facts and exam skills.</p>	<p>BBC Bitesize – Key Stage 4 Science. (Edexcel exam board) https://www.bbc.com/bitesize/examspecs/zqkww6f</p> <p>Combined Science Revision guide and workbook – available to purchase from school – science department.</p> <p>Visit – Manchester Science and Industry museum and Manchester museum.</p>
<p>Triple Science (9-1) Edexcel</p>	<p>Chemistry – Topics 5, 6 and 7. Ionic and covalent bonding and types of substances.</p>	<p>Chemistry - Review topics 1–4 The atom and periodic table.</p>	<p>Chemistry Topics 10 – 13 Electrolytic processes, obtaining metals.</p>	<p>BBC Bitesize – Key Stage 4 Science. (Edexcel exam board)</p>

<p>GCSE Biology GCSE Chemistry GCSE Physics</p>	<p>Chemistry - Topic 8 Acids and Alkalis. Review Biology – Topics 1-5 Review Physics Topics 1 to 5 Physics Topic 6 Radioactivity Physics Topic 7 - Astronomy</p>	<p>Chemistry – Topic 9 Calculations involving masses. Biology – Topic 6 Plant structures and their functions. Biology Topic 7 Animal co-ordination, control and homeostasis. Physics Topics 8 & 9 Energy, forces and their effects. Physics Topics 10 & 11 - Electricity and circuits and static electricity – start. Physics Topics 10 & 11 - Electricity and circuits and static electricity – complete. Physics –Topic 12 & 13 Magnetism and motor effect, electromagnetic induction</p>	<p>Chemistry – Topics 14 – 16 Quantitative analysis, dynamic equilibrium and fuel cells. Chemistry Topics 17 – 19 Groups of the periodic tables and rates of reaction Review Physics Topics – 6-11 Revision for end of year exams Review exams.</p>	<p>https://www.bbc.com/bitesize/subjects/zrkw2hv</p> <p>Visit – Manchester Science and Industry museum and Manchester museum.</p> <p>Biology, Chemistry and Physics revision guides and workbooks available to purchase from school – science department.</p>
<p>Spanish</p> <p>AQA GCSE 8698</p>	<ul style="list-style-type: none"> • Me, my family and friends • Relationships with family and friends • Home, town, neighbourhood and region 	<ul style="list-style-type: none"> • My studies • Social issues • Healthy/ unhealthy living • Life at school/ college 	<ul style="list-style-type: none"> • Customs and festivals in Spanish-speaking countries/ communities • Travel and tourism • Education post-16 • Year-end assessments • Transition to Year 2: • Me, my family and friends • Marriage/ partnership 	<p>www.linguascope.com (intermediate) (see staff for password)</p> <p>www.funwithlanguages.vacau.com</p> <p>www.digitaldialects.com</p> <p>www.bbc.co.uk/education/subjects/zgdqxn</p>