Year 10 Autumn Term 1:

[Art](#_Art:)

[Business Studies](#_Business_Studies:)

[Child Development](#_Child_Development:)

[Computer Science](#_Computer_Science:)

[Core Enrichment](#_Core_Enrichment:)

[Core PE](#_Core_PE)

[Drama](#_Drama:)

[English – Language](#_Language_–_Linguistics:)

[English - Literature](#_Literature_–_Romeo)

[Engineering](#_Engineering:)

[Food and Nutrition](#_Food_Preparation_and)

[French](#_French)

[Geography](#_Geography:)

[History](#_History:)

[Maths](#_Maths:)

Media Studies

[Music](#_Music:)

[PE](#_PE_Sports_Studies:)

[Product Design: Graphic Products](#_Product_Design_(Graphics):)

[Product Design: Resistant Materials](#_Product_Design_(Tech)

[Product Design: Textiles](#_Product_Design_(Textiles):)

[RE](#_RE:)

[Science – Chemistry](#_Science:_Chemistry)

[Science – Physics](#_Science:_Physics)

[Science Biology](#_Science:_Biology:)

[Spanish](#_Spanish)

[SPIRIT](#_SPIRIT:)

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| **What will your child know, understand, or know how to do?** | **Home learning/how parents can help?** |
| Maths: | |
| **All students will know:**  **Basic Number including fractions and decimals** – know how to calculate, estimate, and use notation such as inequality symbols; Know how to order fractions including negative fractions; calculate with fractions; Know how to order positive and negative decimals; calculate with decimals; Know how to convert between mixed numbers and improper fractions.  **Factors and multiples** – Know the terms “factors” and “multiples” of numbers including prime factors and the highest common factor and lowest common multiple of two or more numbers.  **Basic Algebra** – Know the vocabulary of expressions, equations, formulae, identities, inequalities, terms, and factors; Use conventional notation for priority of operations, including brackets, powers, roots and reciprocals.  **Angles** – Know the terms and notation for:  points, lines, vertices, edges, planes, parallel lines, perpendicular lines, right angles, polygons, regular polygons, and polygons with reflection and/or rotation symmetries; Know the standard conventions for labelling and referring to the sides and angles of triangles; Know the properties of angles at a point, angles at a point on a straight line, vertically opposite angles; Know the properties of alternate and corresponding angles on parallel lines.  **Scale Drawings** – Know the term “scale factor”. Know how to use scale factors, scale diagrams and maps; Measure line segments and angles in geometric figures, including interpreting maps and scale drawings and use of bearings  **Collecting and Representing Data** – Know how to interpret and construct tables, charts and diagrams including, for categorical data:   * + frequency tables   + bar charts   + pie charts   + pictograms   + vertical line charts for ungrouped discrete numerical data   + tables and line graphs for time series data   + know their appropriate use   Interpret, analyse, and compare the distributions of data sets from univariate empirical distributions through appropriate graphical representation involving discrete, continuous and grouped data.  **Ratio and Proportion** - Identify and work with fractions in ratio problems; Express one quantity as a fraction of another, where the fraction is less than 1 or greater than 1; Use ratio notation, including reduction to simplest form; Divide a given quantity into two parts in a given part:part or part:whole ratio; Express the division of a quantity into two parts as a ratio; Apply ratio to real contexts and problems (such as those involving conversion, comparison, scaling, mixing and concentrations); Express a multiplicative relationship between two quantities as a ratio or a fraction; Understand and use proportion as equality of ratios; Relate ratios to fractions and to linear functions.  **Additional Higher Content (top set, set 1 and set 2)**  **Sequences** - Generate terms of a sequence from either a term-to-term or a position-to-term rule; Recognise and use: sequences of triangular, square and cube numbers; simple arithmetic progression; Fibonacci type sequences; quadratic sequences and simple geometric progressions (`r^n` where `n` is an integer and `r`is a rational number > 0); Deduce expressions to calculate the nth term of linear and quadratic sequences.  **Coordinates and Linear Graphs** - Work with co-ordinates in all four quadrants; Solve geometrical problems on co-ordinate axes; Plot graphs of equations that correspond to straight line graphs in the co-ordinate plane; Use the form  to identify parallel lines and perpendicular lines; Find the equation of the line through two given points, or through one point with a given gradient; Identify and interpret gradients and intercepts of linear functions graphically and algebraically.  **Perimeter and Area** - Identify properties of the faces, surfaces, edges and vertices of: cubes, cuboids, prisms, cylinders, pyramids, cones and spheres: Calculate the perimeter of a 2D shapes and composite shapes; Find the surface area of pyramids composite shapes; Know and apply formulae to calculate area of:   * + triangles   + parallelograms   + trapezia | The Exam Board is AQA Maths (8300)  These are three papers in the final examinations, each 90 minutes. Paper 1 is non-calculator and paper 2 and 3 are calculator papers.  Please encourage your child to complete their homework as soon as they get it so that they can ask for help if needed. Maths Watch is a resource that is used by the school to support pupils with their Maths so for revision this is the best place to go for videos and worksheets to support practice.  Revision lists are sent out prior to assessments via parent mail. Encouraging the use of exercise books and revision guides plus Maths Watch to revise prior to the assessments will aid revision.  Please ensure that your child has their own scientific calculator and that they bring their exercise book and equipment to school. |
| Science: Biology: | |
| Cell Biology:  Know about cell structure, cell division and transport in cells.  Know about photosynthesis and respiration (bioenergetics) | Exam information  Exam Board: AQA  Number of exam papers: 6 in total (2 for each discipline)  Triple Award: each paper is 1hr 45minutes long  Combined Trilogy: each paper is 1 hr 15 minutes long  The course is split into paper 1 and paper 2 units  Required practical's are examined within the exam papers, students are encouraged to remind themselves about the practical’s they have completed. The following link has free videos covering the required practical and knowledge for the course. <https://www.freesciencelessons.co.uk/videos/>  **How can I help my child to prepare for the exams?**  The following topics have already been covered in lessons, students need to test their knowledge by using retrieval strategies learnt in the classroom. These strategies include using exam questions to check knowledge recall and using flashcards with questions/answers on.  **Biology:** Organisation, Infection and Response  **Chemistry**: Atomic structure &Periodic Table, Structure and Bonding, Chemical changes-acids and alkali  **Physics:** Energy, Particle Model of Matter, Electricity.  **Resources available to use at home**     1. <https://www.physicsandmathstutor.com/>   This free website has signposted revision maps and lots of exam questions to help students to prepare for the examinations. Exam board for Science is AQA.     1. BBC bitesize is good for revising and testing knowledge through self-marking multiple choice questions.   Combined trilogy- <https://www.bbc.co.uk/bitesize/examspecs/z8r997h>  Triple Biology- <https://www.bbc.co.uk/bitesize/examspecs/zpgcbk7>  Triple Chemistry- <https://www.bbc.co.uk/bitesize/examspecs/z8xtmnb>  Triple Physics- <https://www.bbc.co.uk/bitesize/examspecs/zsc9rdm> |
| Science: Chemistry |
| Know how electrolysis is used to extract metals, including Aluminium.  Know how Maths and Science are linked and essential to each other.  Know how to calculate molecular masses, yields of product, concentrations of solutions and volumes of gases. |
| Science: Physics |
| Know the changes of state and the particle model, use this information to focus on how the particle models can be used to explain pressure. Students will also investigate internal energy and energy transfers.  Know how our understanding of the structure of an atom has changed over time.  Know the term radioactivity. |
| English: | |
| Language – Fight for Freedom AQA – English Language GCSE  Know how to identify both explicit and implicit information from a non-fiction text and know how to summarise key facts.  Know how language can be used to successfully persuade someone to agree with your viewpoint or perspective.  Know how to analyse language and consider the ways in which language can be used to evoke certain emotional responses.  Know how to draw comparisons between two texts considering contextual factors and inferences that have been made.  Know the contextual factors that surround historical events that have occurred linked to equality and equal rights and use this knowledge to analyse the language choices that have been made. Literature – An Inspector Calls AQA – English Literature GCSE  Know the context surrounding the play, “An Inspector Calls, including knowledge of the purpose of the play according to J.B Priestley.  Know the plot of the play, along with the characterisation of key cast members.  Know a number of key quotations from the play, along with language analysis of the components of these quotations.  Know how different themes run through the play, “An Inspector Calls” and know how to apply knowledge of plot, character and quotation in order to construct an evaluative response to a question. | Students will be studying a range of texts that are focused on equality and the fight for equal rights. Students will benefit from completing their own reading on this subject.  Please find a list of recommended reading below:   * *Small Island’* by Andrea Levy * Either *‘Face’* or *‘Refugee Boy’* by Benjamin Zephaniah * *‘A Room of One’s Own’* by Virginia Woolf * *‘Nineteen Eighty-Four’* by George Orwell * *‘I am Malala’* by Malala Yousafzai * *‘Incidents in the Life of a Slave Girl’* by Harriet Jacobs * *‘Goodbye to All That’* by Robert Graves * *‘Atonement’* by Ian McEwan * *‘Regeneration’* (first of a trilogy) by Pat Barker * *‘Coming to England’* by Floella Benjamin * *‘Wuthering Heights’* by Emily Brontë     How can I help my child?  Students will be set regular homework tasks on “An Inspector Calls” through GCSE Pod. Watching the videos with your child, asking questions and quizzing them on the content will be helpful.  <https://www.gcsepod.com/>  Students can also explore BBC Bitesize for revision materials on An Inspector Calls:  <https://www.bbc.co.uk/bitesize/topics/zpr639q>  Students can make flashcards, mind maps or other revision resources using the links to GSCE Pod, BBC Bitesize, and the revision booklet link below:  <https://www.stokenewingtonschool.co.uk/asset/1810> |
| Languages: | |
| German AQA - German GCSE (Foundation or Higher)   * To know how to say what sports you play and for how long * To know how to say how often you watch TV * To know how to talk about future plans, including go to the cinema * To know how to say where you go on holiday and what you do there * To know how to discuss ways of travelling * To know how to talk about where you stay on holiday * To know how to give directions * To know how to form the present tense * To know how to talk about the past * To know how to refer to future plans  French AQA - French GCSE (Foundation or Higher)   * To know how to talk about role models in French * To know how to say school subjects in French * To know how to talk about the school day in French * To know how to describe teachers in French * To know how to give opinions of school rules in French * To know how to form the present tense * To know how to form the perfect tense * To know how to refer to the future  Spanish AQA - Spanish GCSE (Foundation or Higher)   * To know how to talk about school rules in Spanish * To know how to understand someone talking about problems in school in Spanish * To know how to say how long you have been in a school club in Spanish * To know how to talk about family members in Spanish * To know how to use a range of adjectives to describe people in Spanish * To know how to talk about free time activities including social media and reading in Spanish * To know how to give opinions of free time activities in Spanish * To know how to form the present tense * To know how to talk about the past * To know how to refer to future plans | Home learning:   * Regular Languagenut homework (https://www.languagenut.com/en-gb/) - all students are provided with a log-in for this * Vocab learning homework from the white vocab booklet * Self quizzing homework from the knowledge organiser * Feed-forward tasks from the feedback after an in-class assessment * Active Learn homework - all students are provided with a log-in for this   How parents can help with vocab:   * Test your child on the weekly vocab * Encourage your child to use the ‘look, cover, say, write, check’ method to learn vocab * Make flashcards of key vocab with your child   How parents can help with prep for speaking and writing exams:   * Ensure your child has speaking questions written on flashcards (question on one side, answer on the other) * Test your child by asking the question, and he/she gives the answer * Add a new question each week, so your child builds up a bank of Q&As   How parents can help with prep for all exams:   * Work through the different skill areas with your child:   Spanish: <https://www.bbc.co.uk/bitesize/examspecs/z4yyjhv>  French: <https://www.bbc.co.uk/bitesize/examspecs/zr8bmfr>  German: <https://www.bbc.co.uk/bitesize/subjects/z8j2tfr> |
| History: | |
| **Paper - Crime and Punishment in Britain, c1000–present**   * To know about crime, punishment, law enforcement and case studies in **Medieval England** (Anglo-Saxon, Norman and Later Medieval period) including Trial by Ordeal, Wergild, corporal punishment, capital punishment and the influence of the Medieval Church. * To know about crime, punishment, law enforcement and case studies in **Early Modern England,** including heresy, treason, the Gunpowder Plot, the role of Matthew Hopkins and transportation to North America. * To know about crime, punishment, law enforcement and case studies in **18th and 19th century Britain** including highway robbery, transportation to Australia, Pentonville Prison, the Bow Street Runners, Sir Robert Peel and the formation of the Metropolitan Police Force. * To know about crime, punishment, law enforcement and case studies in **modern Britain** (20th century to the present day) including technological developments in the police, Neighbourhood Watch, prison reform, the abolition of the death penalty and the case of Derek Bentley. | **Exam information:**   * **Exam Board:** Edexcel * **Number of exam papers:** 3 in total * **The course is split into:** Paper 1 - Crime and Punishment & Whitechapel (1hr 15 mins), Paper 2 – Early Elizabethan England and Cold War (1hr 45mins) and Paper 3 – Weimar and Nazi Germany (1hr 20mins).     **Home learning:**   * Students will be set regular homework every fortnight to test understanding, including preparing for knowledge tests, exam questions, GCSE Pod videos.   **How can I help my child to prepare for the exams?**   * Producing revision materials to summarise content learnt in lessons would be an extremely useful tool for students studying History e.g. making spider diagrams for each time period, timelines or cue cards to help remember facts and key terminology. * Use of revision checklist to organise notes in lessons and revision materials. * Use of revision padlet below contains useful resources to support your child with their revision. * Use of revision websites likes GCSE Pod and Seneca are extremely useful for testing knowledge. The more quiz questions your child can complete the better!   **Useful websites:**   * Revision padlet for Crime and Punishment, which contains revision checklist, past papers, knowledge organisers, helpful videos etc. <https://padlet.com/dbaskerville/kes3gw5mj91ndlf8> * GCSE Pod - <https://www.gcsepod.com/> * A long long time ago (simple revision videos) - <https://www.youtube.com/watch?v=IRf-tkRItLc&list=PLK-VUBYiIMe9dQjLrini0BvdhBWSMm5qw> |
| Geography: | |
| Know the differences between urban core and rural (population density and age structure, economic activities, and settlement)  Know how UK and EU government policies have attempted to reduce these differences (via enterprise zones, investment in transport infrastructure, regional development).  Know why national and international migration over the past 50 years has altered the population geography of the UK (numbers, distribution, age structure).  Know how UK and EU immigration policy has contributed to increasing ethnic and cultural diversity.  Know why the decline in primary and secondary sectors and the rise of the tertiary and quaternary sectors in urban and rural areas has altered economic and employment structure in contrasting regions of the UK.  Know how the field trip to Salford Quays links to the topic of regeneration. | Each week students will be set a homework task to complete. In order to help students to develop their depth of knowledge please encourage them to watch the news or listen to podcasts about current events in the world.  To support understanding of key areas the following website would be useful. This is specific to the Edexcel specification.  <https://www.bbc.co.uk/bitesize/topics/zs93ycw>  Students will also be taking part in the geography field trip. Please speak to students about how important this is. The focus is on regeneration and how it has improved the area around Salford Quays. Use the internet to research plans for this area of Manchester. |
| RE: | |
| AQA GCSE religious studies. Students continue their learning for paper 2 (thematic studies with non-textual studies) with a unit on Crime and punishment.  Learning outcomes:  To know Christian beliefs and teachings about good and evil intentions and actions, including whether it can ever be good to cause suffering  To know the reasons for crime such as poverty, upbringing, mental illness, addiction, greed, and opposition to an unjust law  To know what is meant by a hate crime, theft and murder and the differing views on these  To know the aims of punishment and Christian beliefs and teachings on these. Students should know what is meant by deterrence, reformation and retribution and be able to give an example of each  To know beliefs and teachings about the death penalty  To know contemporary British attitudes towards corporal punishment and the death penalty  To know different religious and non-religious views on forgiveness. | Students will be set homework once a fortnight. This will be a research task using bbc bitesize or GCSE pod revision. <https://www.bbc.co.uk/bitesize/guides/zvs3d2p/revision/1>  In order to support students please encourage them to discuss current affairs and watch the news as many stories involve crime and punishment and can be used as case studies in their work.  Debates and discussions at home is a great way to develop students' depth of understanding and enable them to develop their worldview.  Students can access past exam papers on the AQA website: <https://www.aqa.org.uk/subjects/religious-studies/gcse/religious-studies-a-8062/assessment-resources> |
| Core PE | |
| To know the importance of Sport and Physical Activity to aid mental wellbeing  To know how regular exercise can improve mental wellbeing  To aid lifelong participation | Encouraging pupils to participate in regular exercise, individually or through a club |
| SPIRIT: | |
| |  | | --- | | To know the importance of the relationships you are part of.  To know the impact technology has on relationships  Know the impact of online behaviour and the implications for the future  To know what bullying is  To know what being an upstander is  To know what sexual bullying is  To know the terms stalking and harassment  To know the behaviours associated with stalking  To know what to do if someone feels they or someone they know is the target or perpetrator of unwanted behaviour  To know that pornography can show a stereotypical portrayal of relationships, bodies, gender and sex.  To know how to develop strategies for resisting pressure to view pornography  To know where they can go to find reliable information about sex and relationships.  To know the impact of social media on body image  To know who to ask for advice and where to look for guidance on body image and online stress, including on the Every Mind Matters website |   To know how to use techniques for minimising stress that may arise from a negative perception of our body image influenced by social media | Below is a link to and NHS resource with advice for parents about talking to their children about relationships and sex.  <https://www.nhs.uk/Livewell/Talkingaboutsex/Documents/DCSFtalktoyourchild.pdf> |
| Engineering: | |
| OCR Cambridge National Engineering Design  Know how to recognise different graphical communication techniques and explain what each are used for.  Know the stages of the design process and be able to explain what takes place at each point in the development of a product.  Be able to use 2D and 3D drawing techniques to communicate design ideas for a given product. (Freehand sketching, oblique, isometric, orthographic, assembly & perspective).  Be able to use 2D and 3D Computer Aided Design software to communicate designs. | Home learning:  Pupils will be set online revision tasks and questions using GCSE POD.  Pupils will be given knowledge organisers to revise for class tests.  How you can help:  You can support your child by encouraging them to log onto the GCSE Pod and complete the fortnightly tasks.  Ask them to show you their engineering knowledge organiser and encourage them to make flashcards and mind maps to revise the content.  You could also encourage them to sketch products in your home to practice their 2D and 3D drawing skills. |
| Business Studies: | |
| Edexcel Business 9-1  To know the external influences upon businesses:   * To know stakeholders – Types of stakeholders, possible stakeholder conflict & impact upon a business. * To know technology & business – The different types of technology used and the impact upon a firm’s costs, sales & marketing mix. * To know legislation & business – The purpose of legislation, the cost of implementing it & the consequences of not abiding by it. * To know the economy & business – e.g., the impact of unemployment, interest rates, taxation, exchange rates, consumer incomes. * To know external influences - possible responses by the business to changes in: technology, legislation, the economic climate. | Home Learning  Create key terms sheets and flashcards to review essential definitions.  BBC BITESIZE has the essential notes for external influences that can help with the above:  <https://www.bbc.co.uk/bitesize/topics/z6rfpg8>  How can you help?  Test your child on their key term knowledge using their flash cards. |
| Computer Science: | |
| **Edexcel – GCSE Computer Science:**  **Computational Thinking**   * Know how to correct errors in code * Know the terms sequence, selection and iteration and how they affect code * Know the purpose of variables and assign correct data types to them   **Principles of Computer Science**   * Know how to create and then translate flowcharts into code * Know the definitions of bit and binary and bit patterns * Know how to perform binary addition and overflow errors * Know how to represent positive and negative numbers in binary using two’s complement | **Home Learning**  This will be split between practical coding tasks for the computational thinking aspect of the course and theory based questions for the principles of computer science. There will also be regular key word definition tests.  **How can you help?**  For the coding tasks remind students that the solutions do not need to be 100% correct to be worth marks and that the idea is to practise and embed coding techniques  **What resources are available?**  BBC bitesize - <https://www.bbc.co.uk/bitesize/subjects/z34k7ty>  Isaacomputing <https://isaaccomputerscience.org/topics/gcse?examBoard=all&stage=all#edexcel>  Youtube channel craigndave - <https://www.youtube.com/c/craigndave/playlists?view=50&sort=dd&shelf_id=4>  Memrise – all our keywords have been added and they are part of a class with access to these  Seneca - <https://app.senecalearning.com/classroom/course/445cea6a-0ae2-4d28-8aca-eb7fa09e3366> |
| ICT**WJEC Level 1 / 2 Vocational Award ICT:**  * Introduction to databases. * What is a database and why is it used by different organisations * Entity relationships and relational database * Setting up tables * Validation and verification * Data interrogation using queries and reports * Data entry using forms * Importing CSV files * Adding, deleting and editing records * Testing and evaluation of a database against a given scenario | **OneNote Homework**  Students will be set various homework via their OneNote pages with short recap quizzes to evaluate and embed knowledge   * Key Terms Recap * The need for good quality data * Encoding Data   **Useful Websites**  [**https://www.bbc.co.uk/bitesize/guides/zsfky4j/revision/1**](https://www.bbc.co.uk/bitesize/guides/zsfky4j/revision/1)  [**https://www.youtube.com/watch?v=ubmwp8kbfPc**](https://www.youtube.com/watch?v=ubmwp8kbfPc) |
| Art: | |
| AQA - Art, Craft & Design.  To know the characteristics of sculptures, artist sketches and photography including:   * Knowledge of Irving Penn’s - cranium photography. * Henry Moore’s sketches and stone bronze sculptures   To know how to use a DSLR camera with studio lighting.  To know how to record from primary source photography using a variety of media.  Knowledge of expressive mark-making techniques and how to apply these in their artwork. | Home Learning:  Students will be set a variety of drawing tasks from their own skull photography to increase their proficiency in control of biro pen, graphite and graded pencils.  Students will be asked to record their ideas, observations and independent judgements through written annotations. Please support and encourage conversations about their own and others artwork with your child using subject specialist vocabulary. |
| Drama: | |
| To know the plot context of Act 1 of Blood Brothers.  To know the background information of Liverpool in the 1980s including political and cultural context.  To know the social class issues within the 1980s.  To know the key themes and issues of Blood Brothers.  To know and experience the expectation within the written element of the exam. | Home Learning:  To create mood boards of the outfits worn in the 1980s in preparation for the costume question within the written exam.  How can you help?  With your child, watch the videos via GCSEpod which discuss key themes, plot summary, quotes and character overviews.  <https://members.gcsepod.com/shared/podcasts/title/11765/72599> |
| Music: | |
| To know the Elements of Music vocabulary  To know how to analyse music using the Elements of Music  To know key music theory and concepts within written music.  To know how traditional music has influenced modern music and developed through time. | Home Learning:  Students will be assigned extended learning through Focus On Sound (Microsoft Teams)  How can you help?  Ensure students complete 20 mins of instrumental practise 4 times per week. |
| PE GCSE: | |
| AQA GCSE PE  To know the pathway of air and the key feature of gases  To know how and where gaseous exchange occurs  To know the mechanics of breathing  To know how to interpret a spirometer trace and identify the key volumes  To know how to apply the key volumes to exercise | Home learning To apply their knowledge through a range of multiple choice, short and long exam questions  How can you help?  Encourage your child to participate in a sports club  Quiz your child on the key knowledge vocabulary and definitions, using their cue cards |
| PE OCR Cambridge National Level 2: | |
| To know how technology that can inform how the cardio-respiratory system is responding whilst performing in sport during warm up and performance  To know the benefits and drawbacks of sports technology to the sports performer | Home learning:  Students to create some flash revision cards for exam unit on key terminology  Students to complete a variety of exam style questions  Students to complete assignment write up tasks |
| AQA Food Preparation and Nutrition: | |
| To know and understand the factors affecting food choice.  To know and understand food labelling and marketing influences.  British and International Cuisine.  To know and understand how to successfully carry out sensory analysis.  Demonstrate skills and knowledge in a variety of practical tasks, including: fresh pasta making, laminating puff pastry, millionaires shortbread, curry and fishcakes. | Home Learning:  Completing a variety of past paper questions, linking to each topic we have covered.  Article homework, to evaluate multi-cultural cuisine in the UK.  Article homework, to evaluate the importance of sensory testing to food manufacturers.  How can you help?  Test your child on their knowledge from each topic area.  Encourage your child to cook at home and to further stretch their practical skills. |
| Edexcel GCSE Design Technology(Textiles): | |
| Component 1- Specialist Materials (Textiles)  Know how to describe the working properties of natural & synthetic fabrics  Know why specific fabrics are suitable for given products  Know why specific finishes are applied to fabrics  Be able to name standard components used in textiles  Be able to describe the physical characteristics of fabrics  Be able to describe manufacturing processes used in textile products. | Home learning:  Your child will be given knowledge organisers to revise from in order to prepare for class tests.  How you can help:  Please encourage your child to read their knowledge organiser. You could help them to make flashcards and mind maps to help the content of their knowledge organiser  You could also discuss different textile items in your home. Ask your child what the fabric is and to explain why it is made from this. |
| Edexcel GCSE Design Technology (Graphics): |  |
| Component 1- Specialist Materials (Papers & Boards)  Know how to describe the working properties of materials  Be able to describe the physical characteristics of materials  Know why specific materials are suitable for given products  Know why specific processes (Printing processes, finishes and binding techniques) are applied to products  To know how the manufacture of products impacts on the environment.  Develop research and designing skills creating a Point-of-Sale Display for a relaunch of a product | Home learning:  Your child will be given knowledge organisers to revise from in order to prepare for class tests.  How you can help:  Please encourage your child to read their knowledge organiser. You could help them to make flashcards and mind maps to help the content of their knowledge organiser  Revision link to BBC Bitesize <https://www.bbc.co.uk/bitesize/guides/zjq8jty/revision/1>  You could also discuss different items in your home. Ask your child what the material is and to explain why it is made from this. |
| Edexcel GCSE Design technology (Tech RM): | |
| Component 1- Specialist Materials (Timbers)  Know how to describe the working properties of materials  Know why specific materials are suitable for given products  Know why specific finishes are applied to materials  Be able to name standard components used in specific materials  Be able to describe the physical characteristics of materials  Be able to describe manufacturing processes used in timber products. | Home learning:  Your child will be given knowledge organisers to revise from in order to prepare for class tests.  How you can help:  Please encourage your child to read their knowledge organiser. You could help them to make flashcards and mind maps to help the content of their knowledge organiser  You could also discuss different items in your home. Ask your child what the material is and to explain why it is made from this. |
| OCR Cambridge National Level 1/2 Child Development: | |
| **Key Knowledge R058**  **Plan to create a safe environment in a childcare setting.**  Know how to choose suitable equipment for a childcare setting.  Know the factors affecting suitability of equipment.  To know the nutritional needs of children from birth to five years including the current Government dietary recommendations for healthy eating, the essential nutrients and their functions.    To know how to plan for preparing a feed/meal and to evaluate planning and preparation of a feed/meal.  **Key knowledge R057 (Synoptic link)**  To know the developmental needs of children from birth to five years and to know how these needs can be met. | **RO58: (coursework)**  This includes 4 tasks which needs completing for submission Jan 2023. Students will be encouraged to complete work at home.  **Research** three pieces of the same equipment type for one of the following purposes at the nursery, as given in the current assignment brief. For each piece of equipment, explain suitability by considering the factors as given in the current assignment brief. Choose the piece of equipment you consider is the most suitable. Evaluate their choice. Say why they have chosen it and rejected the others.  **Design** an area layout for the nursery that is age appropriate as given in the current assignment brief. Explain what types of potential accidents that can occur lining it to your plan. Explain why accidents can happen in a childcare setting. Consider prevention of potential accidents from happening in the area designed. Justify why their design creates a safe environment.  **Compare milk formulas** for babies as given in the current assignment brief and describe how each formula meets the nutritional needs of babies aged 0–6 months. Recommend a two-course meal for serving as given in the current assignment brief. Describe how their meal choice meets the nutritional needs of a child of an age as given in the current assignment brief. Explain how their meal choice meets the Government dietary recommendations.  **Produce a plan** for preparing a bottle feed including: equipment, ingredients and quantities, safety, hygiene and make the bottle. Evaluate their own performance, considering: strengths and weaknesses of planning and preparation and make suggestions for improvements and/or changes. |
| Core Enrichment: |  |
| Core Enrichment students will start their different pathways this half term.  Students attending Reaseheath College every Wednesday will begin their 2-year course on the 14-16 vocational programme, studying their chosen subject. This will be alongside their normal studies in school with additional periods for RE and English.  Students who will be participating on a work placement programme this year will start working with our Vocational Learning Co-ordinator on Health and Safety and Employability skills required in the workplace   supported in the transition to begin their allocated work placement out of school every Wednesday. This will be alongside their normal studies in school with additional periods for RS and English. |  |
| Media Studies |  |
| CSP – Close Study Product  Students will be starting with their study of their CSP on Marketing and Advertising. This is based on a Galaxy TV featuring Audrey Hepburn, A Give Blood Promotion featuring Lady Leshurr and a 1950s advert for Washing Powder. These texts will be used as the focus for the questions on their Paper 1 and Paper 2 Media Exams.    Students will be exploring the four key media components – Media Language, Audience, Representation and Industry to deconstruct the media texts and consider how advertising works across a range of platforms.    Know how apply media language terms and make deconstructions of media texts across a range of medium.    Know how to analyse media texts for meaning, specifically focusing the codes and conventions used to encode the product.    Know how to analyse the impact of the context that the product was created in and how it sends messages to the audience      Know how to consider the industry and production factors that impact on a media product.    Know different audience theories and how audiences consume texts differently depending on how they decode the product. | **How can I help my child?**    We recommend the AQA accompanying revision guide – the revised edition for 2023. This covers many of the key codes and conventions.    Students can also access lessons and resources on TEAMS. There are links to the key texts we study and it is a good idea to discuss and review the key ideas and understanding that students have.    We also recommend Mrs Fisher Media studies revision videos on You tube as they present information in an informative and effective way to support GCSE Exam knowledge.  <https://www.youtube.com/channel/UCUKrxp4BcJrGLzmqAhCjASg>      Students can access tasks on GCSE Pod linked to creative media whilst this is not linked to our exam board it does provide an extra level of understanding for the key media concepts of Language, audience, representation and industry. Watching videos with your child and then discussing or quizzing them on the content of the videos will help them to retain key information.  <https://www.gcsepod.com/>    BBC Bitesize has a dedicated area for GCSE Media Studies:  <https://www.bbc.co.uk/bitesize/subjects/ztnygk7>    Students can complete the revision tasks on the website or make revision cards and resources with the content. |