

YEAR 11 CURRICULUM PLANS 2022 - 2023



St Bede's
Catholic School
& Sixth Form College



YEAR 11 CURRICULUM PLANS 2022 - 2023

Year 11 GCSE Art		
Term 1	Term 2	Term 3
<p>Project Theme: PPE EXAM Coursework</p> <p>In response to a chosen theme, students develop a sketchbook of work and will produce an outcome (10 hours) to develop their skills and understanding of working in a selected choice of media & techniques.</p> <p>Students select one of the questions from below.</p> <p>Question 1: Light and dark Question 2: Food Question 3: Surroundings Question 4: Angles Question 5: Detail</p> <p>In response to your chosen question students will collect first hand photos and research the artists or cultures mentioned in the question. From this you will need to do a series of small studies and responses in varied media leading to range of design ideas for your final pieces. Skills: The focus of this project is working with varied materials suited to question chosen. Presentation: All of your research, preparation, first hand photographs and design ideas will be presented on either A2 design sheets or a sketchbook/file. It is important to consider the overall presentation of your preparation work to reflect the style of your chosen theme. Use task sheet to help with specific tasks.</p>	<p>Project theme: Exam Unit- AQA release exam question paper 2nd January 2023. 7 questions to choose from.</p> <p>In response to a chosen theme, students develop a sketchbook of work and will produce an outcome (10 hours) to develop their skills and understanding of working in a selected choice of media & techniques.</p> <p>Students will learn the following:</p> <ol style="list-style-type: none"> 1. Understand the processes of working with specific materials. 2. Record what has been seen from observation. 3. Ability to draw/sculpt (if appropriate to project) accurately & imaginatively. 4. Gain knowledge and appreciation of other artist's/designers/craftspeople work. 5. Apply knowledge of other artist's/designers/craftspeople work to student's own work. 6. Ability to research, resource, investigate, experiment, document & realise ideas & intentions. 7. Analyse & evaluate sources & own work through annotation. 8. Make connections between own work & the work of others 9. Fulfil the assessment criteria AO1, AO2, AO3, AO4. <p>Exam sessions will be spread over a few days in school:</p> <ol style="list-style-type: none"> 1. 2-hour session 2. 3-hour session 3. 5-hour session <p>DATES WILL BE CONFIRMED WITH STUDENTS NEARER THE TIME-END OF APRIL 2023</p>	<p>Tasks for Exam unit:</p> <p>Drawing, painting mixed media tasks, artist responses, combining artists, developing ideas through different compositions, final designs/idea. In response to your chosen question students collect first hand photos and research the artists or cultures mentioned in the question. From this they will need to do a series of small studies and responses in varied media leading to range of design ideas for their final pieces. Focus- formal elements.</p> <p>Skills: The focus of this project is working with varied materials suited to question chosen.</p> <p>Presentation: All of your research, preparation, first hand photographs and design ideas will be presented on either A2 design sheets or in a A4 sketchbook. It is important that students consider the overall presentation of their preparation work to reflect the style of your chosen theme.</p> <p>Students will use a task sheet to help with specific tasks.</p> <p>ANNOTATION</p> <p>Students must thoroughly Annotate each Design Sheet/sketchbook page to explain their opinions & feelings about; the images & objects that they are drawing, the materials that you are experimenting with & the artist's work that you are looking at. Comment on what interests you in the objects & images that you have chosen to draw, explain what your intentions are for each technique, did it work out as planned? Describe your personal views & thoughts about the artists that you are looking at.</p>

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Year 11 GCSE Business		
Term 1	Term 2	Term 3
<ul style="list-style-type: none"> • Business growth • Changes in business aims and objectives • Business and globalisation • Product • Price • Promotion • Place • Using the marketing mix to make business decisions • Business operations • Working with suppliers 	<ul style="list-style-type: none"> • Managing quality • The sales process • Business calculations • Understanding business Performance • Organisational structures • Effective recruitment • Effective training and Development • Motivation 	<p style="text-align: center;">Thematic revision and exam skills</p>

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Year 11 GCSE Computer Science		
Term 1	Term 2	Term 3
<p>Systems software</p> <ul style="list-style-type: none"> Operating systems Utility software <p>Programming fundamentals</p>	<p>Ethical, legal, cultural and environmental impacts of digital technology</p> <ul style="list-style-type: none"> Ethical, legal, cultural and environmental impact <p>Programming fundamentals</p> <p>Producing robust programs</p> <ul style="list-style-type: none"> Defensive design Testing <p>Programming languages and Integrated Development Environments</p> <ul style="list-style-type: none"> Languages The Integrated Development Environment (IDE) <p>Examination skills and techniques</p>	<ul style="list-style-type: none"> Revision Examination skills and techniques

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Year 11 Construction		
Term 1	Term 2	Term 3
<p>Unit 3 Know job roles involved in realising construction and built environment projects.</p> <ul style="list-style-type: none"> Describe activities of those involved in construction projects Describe responsibilities of those involved in construction projects Describe outputs of those involved in realising construction projects <p>Unit 2 Be able to interpret technical information</p> <ul style="list-style-type: none"> Interpret technical sources of information Plan sequence of work to meet requirements of sources of information 	<p>Unit 3 Understand how built environment development projects are realised.</p> <ul style="list-style-type: none"> Describe processes used in built environment development projects Calculate resources to meet requirements for built environment development projects Assess potential effect of factors on project success Interpret sources of information <p>Unit 2 Know preparation requirements for construction tasks</p> <ul style="list-style-type: none"> Identify resources required to complete construction tasks Calculate materials required to complete construction tasks Set success criteria for completion of construction tasks Prepare for construction tasks 	<p>Unit 3 Be able to plan built environment development projects</p> <ul style="list-style-type: none"> Sequence processes to be followed Apportion time to processes Set project tolerances <p>Unit 2 Be able to use construction processes in completion of construction</p> <ul style="list-style-type: none"> Apply techniques in completion of construction tasks Apply health and safety practices in completion of construction tasks Evaluate quality of construction tasks
<p>Practical- Apply techniques in completion of construction tasks- students will engage in three trade- based projects, selected from the following trades- textiles, wood, brick, plaster, decorations, tiles, electrical, plumbing, heritage. Students should be able to undertake appropriate preparatory work, which may typically involve selecting materials, checking quantity, checking for defects, organising materials, measuring, marking out, cutting, setting out. Students should know and understand that preparation needs to be undertaken regarding the main properties of the materials involved, stock forms, types and sizes to determine the quantity of materials or components required, some tasks may require the pre-mixing of materials so that they are ready for use (e.g. plaster).</p>		

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Year 11 GCSE Design and Technology (Materials and Textiles)		
Term 1	Term 2	Term 3
<p>Non- exam assessment What's assessed Practical application of:</p> <ul style="list-style-type: none"> • Core technical principles • Specialist technical principles • Designing and making principles <p>How it's assessed</p> <ul style="list-style-type: none"> • Non-exam assessment (NEA): 30–35 hours approx. • 100 marks • 50% of GCSE <p>Task(s) Substantial design and make task</p> <ul style="list-style-type: none"> • Assessment criteria: <ul style="list-style-type: none"> ○ Identifying and investigating design possibilities ○ Producing a design brief and specification ○ Generating design ideas ○ Developing design ideas ○ Realising design ideas ○ Analysing & evaluating <p>Students will produce a prototype and a portfolio of evidence</p>	<p>Designing and making principles Students should know and understand that all design and technology activities take place within a wide range of contexts. They should also understand how the prototypes they develop must satisfy wants or needs and be fit for their intended use. For example, the home, school, work or leisure. They will need to demonstrate and apply knowledge and understanding of designing and making principles in relation to the following areas:</p> <ul style="list-style-type: none"> • investigation, primary and secondary data • environmental, social and economic challenge • the work of others • design strategies • communication of design ideas • prototype development • selection of materials and components • tolerances • material management • specialist tools and equipment • specialist techniques and processes. 	<p>Examination Prep/revision Paper 1 100 Marks, 50% of overall grade. This consists of two assessment objectives AO3 : Analyse and evaluate:</p> <ul style="list-style-type: none"> • design decisions and outcomes, including for prototypes made by themselves and others • wider issues in design and technology. <p>10% of overall grade AO4: Demonstrate and apply knowledge and understanding of:</p> <ul style="list-style-type: none"> • technical principles • designing and making principles. <p>40% of overall grade</p>

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Year 11 CNAT Creative iMedia		
Term 1	Term 2	Term 3
<ul style="list-style-type: none"> Pre-production and planning documentation and techniques for animation with audio Techniques to obtain, create and manage assets Techniques used to create animation with audio 	<ul style="list-style-type: none"> Techniques to save and export animation with audio Techniques to test/check and review animation with audio Improvements and further developments Distribution platforms and media to reach audiences Properties and formats of media files 	<p>NEA Assessment submit for moderation</p> <ul style="list-style-type: none"> Sources of research and types of research data The legal issues that affect media Job roles in the media industry Revision and mock papers/tests <p>Examination (Terminal unit)</p>

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Year 11 English		
Term 1	Term 2	Term 3
<p>Students will have the opportunity to revise 'Romeo and Juliet' and 'A Christmas Carol' through retrieval tasks.</p> <p>Students will develop their understanding of their Language GCSE Papers 1 and 2 through revision and further practice in analysing fiction and non-fiction texts.</p> <p>Students will continue to revise and develop their ability to write creative fiction and non-fiction texts.</p>	<p>Students will have the opportunity to revise Unseen poetry and 'An Inspector Calls' through retrieval tasks.</p> <p>Students will develop their understanding of their Language GCSE Papers 1 and 2 through revision and further practice in analysing fiction and non-fiction texts.</p> <p>Students will continue to revise and develop their ability to write creative fiction and non-fiction texts.</p>	<p>Students will have the opportunity to revise all their Literature texts.</p> <p>Students will develop their understanding of their Language GCSE Papers 1 and 2 through revision and further practice in analysing fiction and non-fiction texts.</p> <p>Students will continue to revise and develop their ability to write creative fiction and non-fiction texts.</p>

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Year 11 BTEC Enterprise		
Term 1	Term 2	Term 3
<p>Marketing and Finance for Enterprise (External Assessment)</p> <ul style="list-style-type: none"> • Targeting and segmenting the market • 4Ps of the marketing mix • Factors influencing the choice of marketing methods • Trust, reputation and loyalty • Financial Documents • Payment methods • Revenue and costs • Financial statements 	<p>Marketing and Finance for Enterprise (External Assessment)</p> <ul style="list-style-type: none"> • Financial statements • Profitability and Liquidity • Budgeting • Cash Flow • Suggesting improvements to cash flow problems • Break-even point and break-even analysis • Sources of finance 	<p>Revision and exam skills</p>

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Year 11 GCSE Food Preparation and Nutrition		
Term 1	Term 2	Term 3
<p>Students complete 2 Non-exam assessments in Year 11</p> <p>Task 1: Food investigation task Students' understanding of the working characteristics, functional and chemical properties of ingredients. The task will be presented as an electronic report (1,500–2,000 words) including photographic evidence of the practical investigation <i>Practical investigations are a compulsory element of this NEA task</i></p> <p><u>Practical</u></p> <ul style="list-style-type: none"> • How to prepare and make dishes – Students will learn a range of different cooking skills and process, by making a variety of dishes. • Food safety practices – Students will demonstrate how to work safety by following the correct safety and hygiene procedures. • How cooking methods can impact on nutritional value – identify a range of different cooking methods and understand the impact of nutritional value. • How ingredients and dishes are altered by science. 	<p>Non-exam assessment 2</p> <p>Task 2: Food preparation assessment Students' knowledge, skills and understanding in relation to the planning, preparation, cooking, presentation of food and application of nutrition related to the chosen task. Students will prepare, cook and present a final menu of three dishes within a single period of no more than three hours, planning how this will be achieved. This involves an electronic portfolio including photographic evidence. Photographic evidence of the three final dishes must be included.</p> <p><u>Practical</u></p> <ul style="list-style-type: none"> • How to prepare and make highly skilled dishes – Students will learn a range of different cooking skills and process, by making a variety of dishes. • Food safety practices – Students will demonstrate how to work safety by following the correct safety and hygiene procedures. • How cooking methods can impact on nutritional value – identify a range of different cooking methods and understand the impact of nutritional value. • Learn how to increase skills and techniques in dishes through modifying original recipes. 	<p>Exam revision and skills Theoretical knowledge of food preparation and nutrition revision in preparation for the written exam: 1 hour 45 minutes 100 marks (50% of GCSE)</p> <ul style="list-style-type: none"> • Food, nutrition and health • Food science • Food safety • Food choice • Food provenance <p><u>Practical</u></p> <ul style="list-style-type: none"> • How to prepare and make highly skilled dishes – Students will learn a range of different cooking skills and process, by making a variety of dishes. • Food safety practices – Students will demonstrate how to work safety by following the correct safety and hygiene procedures. • How cooking methods can impact on nutritional value – identify a range of different cooking methods and understand the impact of nutritional value.

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Year 11 French		
Term 1	Term 2	Term 3
<p>Jobs, career choices and ambitions</p> <ul style="list-style-type: none"> • Discussing jobs and work preferences • Discussing career choices • Talking about plans, hopes and wishes • Applying for jobs <p>Grammar studied</p> <ul style="list-style-type: none"> • Consolidation of the conditional • Comparatives and superlatives • Perfect infinitive • Subjunctive • Direct object pronouns in the perfect tense • Verbs followed by 'à' and 'de' 	<p>Global issues; Social issues</p> <ul style="list-style-type: none"> • Talking about what's important to you • Talking about problems facing the world • Protecting the environment • Talking about ethical shopping <p>Grammar studied</p> <ul style="list-style-type: none"> • Relative pronouns • Modal verbs in the conditional • The passive 	<ul style="list-style-type: none"> • Revision and exam preparation • Speaking exam (date tbc)

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Year 11 Geography		
Term 1	Term 2	Term 3
<p><u>GCSE TOPIC 5 - PHYSICAL LANDSCAPES (RIVERS)</u></p> <p>RIVER LANDSCAPES</p> <ul style="list-style-type: none"> • describe how a river’s long profile and cross profile varies • explain how erosion changes the cross profile of a river • explain the four processes of erosion • describe the four processes of transportation in a river • explain the reasons why a river deposits its eroded material • explain how interlocking spurs, waterfalls and gorges are formed • identify on an Ordnance Survey map all of the river landforms and use 4 and 6 fig grid references to locate them on a map. • explain how physical and human factors affect the risk of flooding including precipitation, geology, relief and land use. • explain what river discharge means and how it is shown on a hydrograph • explain at least 4 factors that will either increase or decrease river discharge • explain how hard and soft engineering can reduce the risk of flooding or the effects of flooding • Boscastle – flood management scheme <p><u>GCSE TOPIC 6 – ECONOMIC WORLD</u></p> <ul style="list-style-type: none"> • describe the methods of classifying countries and use different development indicators. • evaluate the use of different developmental indicators. • explain how the development gap can be reduced looking at: Investment, Industrial development and tourism, Aid, Using intermediate technology, Fairtrade, Debt relief, Microfinance loans. • use an example to show how tourism in an LIC can help to reduce the development gap (Kenya) 	<p>CASE STUDY NIGERIA</p> <ul style="list-style-type: none"> • explain why Nigeria is important • describe the political, social and culture contact of Nigeria within a world context. • describe the changing industrial structure within in Nigeria. • explain how manufacturing can stimulate economic growth in within Nigeria. • define a Transnational Corporation (TNC). • explain and evaluation impacts of economic development on the population of Nigeria. <p>CASE STUDY UK</p> <ul style="list-style-type: none"> • explain why deindustrialisation has occurred in the UK • explain the advantages and disadvantages of the UK move in the tertiary sector • explain, using an example, how modern industry can reduce its impact upon the environment and become more sustainable • examine the global links made with the wider world through trade, culture, increased communication, economics and political groupings such as the commonwealth and the European Union. • analyse the growing interdependence and globalisation of the UK in relation to its economy and politics. 	<p>Revision and preparations for paper 3.</p>

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Year 11 BTEC Health and Social Care		
Term 1	Term 2	Term 3
<p>Component 2 – Services and Values in Health and Social Care</p> <ul style="list-style-type: none"> • Care Values <p>Set Assignment Completed</p>	<p>Component 3 – Health and Wellbeing</p> <ul style="list-style-type: none"> • Recap factors affecting development • Measures of health • Planning for improved health 	<p>Component 3 – Health and Wellbeing</p> <ul style="list-style-type: none"> • Revision <p>Exam completed</p>

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Year 11 History		
Term 1	Term 2	Term 3
<p>Complete Medicine Through Time</p> <p><u>Weimar Republic and Nazi Germany</u></p> <p><u>Weimar Republic</u></p> <ul style="list-style-type: none"> • Effects of WW1 • Political, social and economic problems faced by the Weimar Republic • A golden age? 	<p><u>Rise of the Nazi party</u></p> <ul style="list-style-type: none"> • Changes to the DAP • The Munich Putsch- events and effects • Hitler becomes Chancellor <p><u>Nazi police state</u></p> <ul style="list-style-type: none"> • Hitler becomes Fuhrer • Police state- terror, propaganda and discrimination • Did living conditions improve? Exam question skills • Causation • Evaluation • Source analysis and evaluation 	<p>Revision</p>

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Year 11 Hospitality and Catering		
Term 1	Term 2	Term 3
<p>Theory</p> <p>Health and Safety in hospitality and catering provision – being aware of the responsibilities for personal safety in the workplace of employers and employees.</p> <p>Food safety – understanding the principles of hazard analysis and critical control points. Food related causes of ill health – understanding the difference between allergies and intolerances and different types of food poisoning.</p> <p>Symptoms and signs of food-induced ill health – visible and non-visible</p> <p>Preventative control measures of food-induced ill health – identifying control measures to prevent food-induced ill health.</p> <p>The Environmental Health Officer – the roles and responsibilities within this role.</p> <p>Customer requirements in hospitality and catering – learning how the industry meets the needs of customers and understanding customers rights and equality in the industry.</p> <p>Practical</p> <p>Building preparation and cooking skills and learning through practice</p>	<p>Unit 2 controlled assessment</p> <p>The importance of nutrition</p> <ul style="list-style-type: none"> • Understand the function of macro and micronutrients and having an awareness of the need for a balanced diet. • How cooking methods can impact on nutritional value <p>Menu planning</p> <ul style="list-style-type: none"> • Factors affecting menu planning • How to plan production <p>The skills and techniques of preparation, cooking and presentation of dishes</p> <ul style="list-style-type: none"> • How to prepare and make dishes • Presentation techniques • Food safety practices 	<p>Revision for unit 1</p> <p>Hospitality and Catering Provision</p> <ul style="list-style-type: none"> • Hospitality and catering providers • Working in the hospitality and catering industry • Working conditions in the hospitality and catering industry • Contributing factors to the success of hospitality and catering provision <p>How hospitality and catering providers operate</p> <ul style="list-style-type: none"> • The operation of the front and back of house • Customer requirements in hospitality and catering. • Hospitality and catering provision to meet specific requirements <p>Health and Safety in hospitality and catering provision</p> <ul style="list-style-type: none"> • Health and Safety in hospitality and catering provision • Food safety <p>Food Safety in Hospitality and Catering</p> <ul style="list-style-type: none"> • Food related causes of ill health • Symptoms and signs of food-induced ill health • Preventative control measures of food-induced ill health • The Environmental Health Officer

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Year 11 Maths - Foundation		
Term 1	Term 2	Term 3
<ul style="list-style-type: none"> • Circles, cylinders, cones and spheres • Fractions and reciprocals • Indices and standard form • Similarity and congruence in 2D • Vectors • Rearranging equations, graphs of cubic and reciprocal functions and simultaneous equations • Rounding, approximating and error intervals • Rearranging equations, graphs of cubic and reciprocal functions and simultaneous equations 	<ul style="list-style-type: none"> • Rounding, approximating and error intervals • Revision 	<ul style="list-style-type: none"> • Revision and exams

Year 11 Maths - Higher		
Term 1	Term 2	Term 3
<ul style="list-style-type: none"> • Collecting data • Cumulative frequency, box plots and histograms • Quadratics, expanding more than two brackets, sketching graphs, graphs of circles, cubes and quadratics • Circle theorems • Circle geometry • Changing the subject of formulae (more complex), algebraic fractions, solving equations arising from algebraic fractions, rationalising surds, proof functions 	<ul style="list-style-type: none"> • Vectors and geometric proof • Reciprocal and exponential graphs; Gradient and area under graphs • Direct and inverse proportion • Revision 	<ul style="list-style-type: none"> • Revision and exams

Year 11 Music		
Term 1	Term 2	Term 3
<p>Students develop a critical engagement with music, performing and listening with discrimination to a range of historical periods, genres, styles and traditions. These are focused upon the 3 areas:</p> <p>Performing (as Teams submissions) Students work towards an assessment where they perform a piece set at their individual relative level of challenge. They will be assessed using the GCSE exam criteria on:</p> <ul style="list-style-type: none"> • Technique • Interpretation • Accuracy <p>Listening and appraising Students will be assessed on their understanding of musical theory and their ability to use it to describe music. In this term we focus on:</p> <ul style="list-style-type: none"> • J.S. Bach: Brandenburg Concerto No.5, mvmt III • Purcell: Music for a While • Williams: Star Wars Episode IV, Main Title <p>Composing Each unit will have a range of composing tasks that develop ability to explore the key compositional features of the AoS and more specifically through the vehicle of the set work being studied.</p>	<p>Students develop a critical engagement with music, performing and listening with discrimination to a range of historical periods, genres, styles and traditions. These are focused upon the 3 areas:</p> <p>Performing (as Teams submissions) Students work towards an assessment where they perform a piece set at their individual relative level of challenge. They will be assessed using the GCSE exam criteria on:</p> <ul style="list-style-type: none"> • Technique • Interpretation • Accuracy <p>Listening and appraising Students will be assessed on their understanding of musical theory and their ability to use it to describe music. In this term we focus on:</p> <ul style="list-style-type: none"> • Afro Celt Sound System: Release • Beethoven: Piano Sonata No 8 in C minor 'Pathetique' • Queen: Killer Queen <p>Composing Each unit will have a range of composing tasks that develop ability to explore the key compositional features of the AoS and more specifically through the vehicle of the set work being studied.</p>	<p>Students develop a critical engagement with music, performing and listening with discrimination to a range of historical periods, genres, styles and traditions. These are focused upon the 3 areas:</p> <p>Performing (as Teams submissions) Students work towards an assessment where they perform a piece set at their individual relative level of challenge. They will be assessed using the GCSE exam criteria on:</p> <ul style="list-style-type: none"> • Technique • Interpretation • Accuracy <p>Listening and appraising Students will be assessed on their understanding of musical theory and their ability to use it to describe music. In this term we focus on:</p> <ul style="list-style-type: none"> • Schwartz: Wicked, Defying Gravity • Spalding: Samba Em Preludio • Revision and practice listening questions, evaluation and further study of all 8 set works <p>Composing Each unit will have a range of composing tasks that develop ability to explore the key compositional features of the AoS and more specifically through the vehicle of the set work being studied.</p>

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Year 11 PE		
Term 1	Term 2	Term 3
<p>Bede's Compete</p> <ul style="list-style-type: none"> • Rugby • Football • Netball • Hockey <p>Or Bede's Challenge</p> <ul style="list-style-type: none"> • Boxercise • Functional fitness • Table tennis <p>Or Create</p> <ul style="list-style-type: none"> • Dance/trampoline 	<p>Bede's Compete</p> <ul style="list-style-type: none"> • Basketball • Softball/cricket • Football • Ultimate frisbee <p>Or Bede's Challenge</p> <ul style="list-style-type: none"> • Circuit training • Kettlebells <p>Or Create</p> <ul style="list-style-type: none"> • Dance 	<p>Bede's Compete</p> <ul style="list-style-type: none"> • Softball/cricket • Ultimate frisbee • Rounders <p>Or Bede's Challenge</p> <ul style="list-style-type: none"> • Circuit training • Kettlebells <p>Or Create</p> <ul style="list-style-type: none"> • Dance

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Year 11 RE		
Term 1	Term 2	Term 3
<p>Applied Catholic Theology Theme 3 – Life and Death: Death and the afterlife Beliefs: Eschatology Sources: The Magisterium Forms: Artefacts Forms: Music and the funeral rite Practices: Prayer within Catholic communities in Britain and elsewhere</p>	<p>Applied Catholic Theology Theme 4: Sin and Forgiveness Crime and Punishment Beliefs: Redemption Sources: The Church Forms: Buildings Practices: Sacraments Practices: Mission and Evangelisation in Britain and elsewhere</p>	<p>Applied Catholic Theology Theme 4: Sin and Forgiveness Continued</p> <p>Revision: FCT ACT Judaism</p>

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Year 11 Science		
Term 1	Term 2	Term 3
<p style="text-align: center;">Biology</p> <p>Cells In the first term of the final year students will learn about the main biochemical pathways that maintain life on earth – respiration and metabolism.</p> <p>Genetics This is followed by how our society uses selective breeding, and higher tier students will study genetic engineering. We then move onto how organisms are classified on Earth for use in scientific investigations. Separate Science students study genetic engineering too.</p> <p>Infection & Response This term students will learn about the immune system and vaccinations; separate Science students also study the production and use of monoclonal antibodies. Separate Science students will also study the production and uses of monoclonal antibodies.</p> <p style="text-align: center;">Chemistry</p> <p>Review of Fundamental Knowledge In the first term we review the periodic table groups and reactivity before learning about isotopes and relative atomic mass.</p> <p>We then learn about polymers and giant molecules such as graphene and fullerenes.</p> <p>Chemical Changes They then learn how electrolysis is used to separate compounds. Separate Science students learn how fuel cells and batteries work here too.</p> <p style="text-align: center;">Physics</p> <p>Students complete their of study electromagnetism. They then review learn about electrical energy and power, including renewable and non-renewable energy sources. Separate Science students study blackbody radiation and generators.</p> <p>Students who chose the Separate Science option will also study fission, Boyle's law and fascinating space topics including the life cycle of stars, the orbits of the solar system and how the red shift gives us insight into the universe.</p>	<p style="text-align: center;">Biology</p> <p>Systems Human body communication systems, comparing the endocrine and nervous systems with specific examples of each and an investigation into human reaction time. Separate Science students will also study homeostasis in more detail.</p> <p>Plants Transpiration and translocation – how plants transport substance around them. Separate Science students study plant hormones and compare sexual and asexual reproduction.</p> <p>Ecology The issues how world currently faces – global warming, deforestation, the importance of biodiversity, and waste management. Separate Science students study decomposition, trophic levels and food production too.</p> <p style="text-align: center;">Chemistry</p> <p>Quantitative Chemistry Chemical measurements, moles and limiting reagents. Separate Science students will also study moles of volumes and yields of reactions.</p> <p>Rates of Chemical Change The factors which change the rate of chemical reactions, and the importance of controlling reactions for modern life.</p> <p style="text-align: center;">Physics</p> <p>Matter Nuclear decay using equations to show the difference in sub-atomic particles and radioactive emissions. Radioactivity is studied in further detail, followed by specific heat capacity and specific latent heat.</p> <p>Forces The final aspects of motion, and apply their knowledge to braking distances and safety structures such as car systems and helmets.</p> <p>Separate Science option will also study waves and lenses in depth, followed by detailed study of our solar system, gravity, orbits, stars and their life cycle, and red shift.</p>	<p style="text-align: center;">Biology</p> <p>In the final term most students will be reviewing the entire GCSE course.</p> <p style="text-align: center;">Chemistry</p> <p>In the final term most students will be reviewing the entire GCSE course.</p> <p style="text-align: center;">Physics</p> <p>In the final term most students will be reviewing the entire GCSE course.</p>

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Year 11 Spanish		
Term 1	Term 2	Term 3
<p>Jobs, career choice and ambitions</p> <ul style="list-style-type: none"> • Talking about different jobs • Talking about how you earn money • Talking about work experience • Talking about the importance of learning languages • Applying for a summer job • Discussing gap years • Discussing plans for the future <p>Grammar studied</p> <ul style="list-style-type: none"> • Masculine and feminine nouns • Using soler in present and imperfect tense • Using preterite and imperfect tenses correctly • Using the present and the present continuous • Using indirect object pronouns • Using the subjunctive with cuando 	<p>The environment; Home, town, neighbourhood and region</p> <ul style="list-style-type: none"> • Describing types of houses • Talking about healthy eating • Considering global issues • Talking about local actions • Discussing healthy lifestyles • Talking about international sporting events • Talking about natural disasters <p>Grammar studied</p> <ul style="list-style-type: none"> • Using the present subjunctive • Using the subjunctive in commands • Understanding different tenses • Using the pluperfect tense • Using grammar knowledge in translation 	<ul style="list-style-type: none"> • Revision and exam preparation • Speaking exam (date tbc)

YEAR 11 CURRICULUM PLANS 2022 - 2023

Year 11 CNAT Sport		
Term 1	Term 2	Term 3
<p>The body's response to physical activity Know the key components of the musculo-skeletal and cardio-respiratory systems, their functions and roles.</p> <ul style="list-style-type: none"> • Components of the musculo-skeletal system and its function. • Components of the cardio-respiratory system and its function. • The role of the musculo-skeletal system in producing movement. • The role of the cardio-respiratory system during physical activity. <p>Understand the importance of the musculo-skeletal and cardio-respiratory systems in health and fitness.</p> <ul style="list-style-type: none"> • Benefits of cardio-respiratory fitness in everyday life. • Benefits of muscular strength and flexibility. • Benefits of muscular endurance. <p>Assess the short-term effects of physical activity on the musculo-skeletal and cardio-respiratory systems.</p> <ul style="list-style-type: none"> ▪ Different short-term effects of physical activity on the musculo-skeletal and cardio-respiratory systems and the reasons for these. ▪ Ways to measure and record the short-term effects of physical activity on the musculo-skeletal and cardio-respiratory systems. <p>Assess the long-term effects of physical activity on the musculo-skeletal and cardio-respiratory systems.</p> <ul style="list-style-type: none"> ▪ Long-term effects of physical activity on the musculo-skeletal and cardio-respiratory systems and the reasons for these. • Ways to measure and record the long-term effects of physical activity on the musculo-skeletal and cardio-respiratory systems. 	<p>Sports Nutrition Know about the nutrients needed for a healthy, balanced diet.</p> <ul style="list-style-type: none"> • Characteristics of a balanced diet • Nutrients • The role of nutrients in a balanced healthy diet • Food sources of nutrients <p>Understand the importance of nutrition in sport.</p> <ul style="list-style-type: none"> • The importance of nutrition before, during and after sport • The reasons for the varying dietary requirements of different activity types • The use of dietary supplements <p>Know about the effects of poor diet on sports performance and participation.</p> <ul style="list-style-type: none"> • Definition of malnutrition • The effects of overeating on sports performance and participation • The effects of under eating on sports performance and participation • The effects of dehydration on sports performance and participation. <p>Produce diet plans for performers.</p> <ul style="list-style-type: none"> • How to design a diet plan • How to evaluate the effectiveness of a diet plan. 	<p>Reducing the risk of sports injuries unit Revision and exam technique.</p>