

**Year 7
Curriculum Map
Spring 2 Term**

Mathematics

Delta (HPA):

- Solving one-step equations
- Solving two-step equations
- More complex equations
- Trial and improvement

Theta (MPA):

- Direct proportion
- Writing ratios
- Using ratios
- Scales and measures
- Proportions and fractions
- Proportions and percentages

Pi (LPA):

- Right angles and lines
- Measuring angles 1
- Measuring angles 2
- Drawing and estimating angles
- Putting angles together

Science

Students will study a balance of Biology, Chemistry and Physics. They will also complete a module on Science Safety and Practical Skills. Students will be assessed at the end of every unit and these results will be used to give students their current grades during report cycles. The topics covered in this year are; Cells, Tissues and Organs; Sexual Reproduction in Animals; Muscles and Bones; Ecosystems; Mixtures and separation; Acids and Alkalis; The Particle Model; Atoms, Elements and Molecules; Energy; Current Electricity; Forces; Sounds.

Computing

Students will explore basic Spreadsheet and Database concepts. They will focus on storing, searching, sorting and presenting data/information.

English

This half term Year 7 students are studying poetry through the ages looking at form, language and structure. Students will have the opportunity to read and analyse a range of poems from Shakespeare's sonnets to the lyrics of contemporary pop music. In addition they will be getting creative - we hope to help develop a new generation of poets! A visiting poet will be coming to perform to the year group later in the term which should be inspirational for us all!

MFL

French: Students are learning about freetime activities and being able to talk about their likes and dislikes.

German: Students will be learning about their hobbies and will be able to describe what they do in their spare time

Spanish: Students will be able to describe their homes and their daily routines

History

Students look at the roles that different kings and queens played in changing England from the Tudor period right up to the Victorian era. They also look at the relationship between the crown and Parliament, culminating in the English Civil War and the reign of Oliver Cromwell.

Geography

Understanding life in Africa, Rights of Children, Migration, Consideration of thoughts & feelings, solving the migrant crisis, effect of conflict in Sudan, Schooling in Ghana, Causes of Piracy, effects & solutions.

SMSC

Students will be completing a unit on emotional wellbeing. They will look at a range of different things including self confidence, anxiety, fears and what to do if they are in a situation where they or somebody close to them needs some help with their emotional wellbeing.

PE

Students continue to study a range of activities including Football, Netball, Badminton, Cross Country, Fitness, Gymnastics, Rugby and Hockey, developing their skills & understanding of the games along with their own physical fitness.

Fitness will comprise of some fitness tests to gauge a starting point and they will complete a variety of circuits designed to work different areas of the body with the aim of improving cardiovascular fitness & muscular endurance. Students will understand the need for warm-up and why exercise is good for their health.

Performing Arts

Dance "Choreography" Starting from a basic sequence of Contemporary-based movements, the students will be introduced each week to a different choreographic technique to manipulate the sequence and make it their own.

Drama Matilda - Musical Theatre. Students will focus on characterisation through voice and movement. They will look at 'Matilda' by Roald Dahl and will perform short scripted extracts as well as create their own interpretations on specific given scenes.

Music - The unit will focus on theme and variations and how to compose a melody based on a theme.

Creative Studies

Art: (2D Art) Students will develop a working understanding of portraiture by exploring a range of artists. Connections between mood and colour will be investigated using photography. Pupils will develop printmaking and painting skills, including watercolour, ink and wash, and acrylic painting.

(3D Art) Students will be developing an understanding of Architecture and the Built Environment as they explore a range of artists and materials. They will design building models using a range of drawing and recording techniques, and will refine their designs before students create building models from clay and card. They will be introduced to photography and animation techniques.

Catering: Intro to the kitchen - knife skills, independent use of the oven, hob, grill. Learning to weigh and measure. Building confidence and independence in the kitchen. Making fruit salad, pizza toast, fruity flapjacks, pasta and tomato sauce, yummy cookies and cheese scones.

Design Technology: NIGHT LIGHT & PULL ALONG TOY - students design and make a prototype Toy/Night Light based on the design group/Good Sleep research - Producing original design ideas, learning about innovation, stylisation of ideas and how to justify those.

Textiles: Students will be introduced to a range of textiles techniques including hand stitches, couching, resist pattern dye, and applique. Through the exploration of yarn bombing, Tibetan flags and graffiti, students will be designing and creating their own good will textile strips. They will be exposed to a broader range of Artists and Designers through weekly Art History sessions.

**Year 8
Curriculum Map
Spring 2 Term**

Mathematics

Delta (HPA):

- Accurate drawings
- Constructing shapes
- Constructions 1
- Constructions 2
- Loci

Theta (MPA):

- Adding and subtracting fractions
- Multiplying fractions
- Fractions, decimals and reciprocals
- Dividing fractions
- Calculating with mixed numbers

Pi (LPA):

- Squares, cubes and roots
- Calculating with brackets and indices
- LCM and HCF
- Prime factor decomposition

Computing

Students will explore the importance of using Algorithms to design solutions. They will create Flowcharts and Pseudocode to plan solutions to problems.

Photography

Exploring the landscape genre, how to use a digital SLR camera to capture a landscape and playful experimentation using Photoshop and hand manipulation.

English

Students will develop their poetry analytical skills using a range of war poems from other cultures. Students will work on their skills of identifying and comment on the effect of poetic techniques and choices, as well as in applying this to the context. This unit will link with many SMSC issues which will be conscientiously explored with the unit including the debates around the role of the soldier in WWI and WWII.

Science

Students will study a balance of Biology, Chemistry and Physics. They will also complete a module on Numeracy in Science. Students will be assessed at the end of every unit and these results will be used to give students their current grades during report cycles. The topics covered in this year are; Health and Lifestyle, Ecosystems and Processes, Adaptations and Inheritance, The periodic table, Separation Techniques, Metals and Acids, The Earth, Electricity and Magnetism, Energy, Motion and Pressure.

MFL

French: Students will learn how to talk about their home and what events they have at home. They will talk about celebrations and the food they eat there.

German: Students will learn about health and will be able to describe parts of the body and do role plays at the doctor's.

Spanish: Students will learn about different types of food and how to order food and drinks when out and about

History

Students study the impact of the Second World War across the world. They will explore how the conflict involved and impacted upon different groups from across the world. Students will explore what the Holocaust was, and how it was able to happen.

Geography

Restless Earth - Students study the structure of the earth, causes, effects and solutions to volcanoes, earthquakes and tsunami

PE

Students continue to study a range of activities including Football, Netball, Badminton, Cross Country, Fitness, Gymnastics, Rugby and Hockey, developing their skills & understanding of the games along with their own physical fitness.

Fitness will comprise of some fitness tests to gauge a starting point and they will complete a variety of circuits designed to work different areas of the body with the aim of improving cardiovascular fitness & muscular endurance. Students will understand the need for warm-up and why exercise is good for their health.

Performing Arts

Dance "Contemporary" Students will look at basic movements are are components of this more technical dance style. The unit will cover Floor Work, Suspension and Release and some basic gymnastic movements such as cartwheels, whilst ensuring that progression opportunities are differentiated so that all students can achieve success in each class

Drama Students will be introduced to stage combat. The unit covers all aspects of health and safety, blocking, timing, audience and spatial awareness and eye contact.

SMSC

Students will look a unit on Sikhism. They will consider key Sikh beliefs and how these are followed in the modern world.

Creative Studies

Art: Students will develop work based around the idea of Plastic Pollution, beginning by exploring and responding to the work of artists photographically and then moving on to develop their drawing and painting skills through a range of challenges which help them explore style, composition, colour and mark-making techniques. They will be exposed to a broader range of Artists, Designers and Architects in their Art History sessions.

Catering: Healthy food swaps. Building confidence and independent in the kitchen. Learning how to adapt meals to make them healthier. Understanding the nutrition in a dish. Making oven baked chicken dippers, quesadillas, carrot cake, healthy macaroni cheese, cottage pie, healthier pizza and fruity muffins.

Design Technology:

Box: This project is designed to extend the design and manufacture skills that they have been introduced to in year 7. They will be expected to use more specialised marking-out procedures, use a chisel correctly and be able to work with precision. They will use simple CAD to produce a simple decorative finish with the laser cutter.

Balancing Toy: Design and make a souvenir balancing toy, that reflects different countries, customs and/or cultural experiences. It utilises the three main materials of RM; wood, metal and polymer. Students will waste, form and finish using a range of technical skill. Cutting a thread (male/female), use of machine sander, pillar and centre lathe (facing-off), use of the laser cutter combined with 2D Design. They will evaluate against their specification.

Textiles: Students will be developing their Textiles skills though exploring different stitches and techniques, such as; embroidery, applique, fabric dyeing and fabric manipulation. They will be using the skills they learn to design and make a worry monster. They will be introduced to relevant artists/cultural influences and respond to their work by exploring relevant textile techniques

Year 9
Curriculum Map
Spring 2 Term

Mathematics

Higher:
- Unit 5: Angles & Trigonometry

Foundation:
- Unit 5: Equations, Inequalities and Sequences.

Science

Students are studying the new AQA GCSE - Trilogy.

Biology:

Cell Structure, Cell Division, Organisation and the Digestive System, Organising Animals and Plants, Communicable Diseases.

Chemistry:

Atomic Structure, The Periodic Table, Bonding and Structure, Chemical Calculations, Chemical Changes and Electrolysis.

Physics:

Conservation of Energy, Energy Transfer, Energy Resources, Electrical Circuits, Electricity in the Home, Molecules and Matter.

Creative Media

Students continue R091, completing their first coursework assignment- a written report on digital game types and platforms. Students are then introduced to interpreting a brief and practice preparing a detailed response to this in the form of a proposal. They will begin producing industry standard documents to support their proposal.

English

Students will begin their study of the Shakespeare set text - Macbeth - where they will consider and explore how Shakespeare creates meaning, tightly linked with contextual issues of the time. Students will also consider how to overcome the language barrier present for students of Shakespeare. They will develop their critical writing skills.

Computer Science

Students to explore Unit 1 theory for O1 exam. Students will explore ethical, legal, cultural and environmental concerns and data representation.

ICT

Students will develop Spreadsheet skills required for Component 2 coursework. Students will look at using spreadsheets to analyse data and draw conclusions.

Philosophy & Ethics

Students will look at key beliefs and practices within Judaism. They will consider why people are Jewish and the beliefs Jewish people hold in comparison to students own beliefs and values. They will consider the impact believing in Judaism may have on a believers life in the modern world. Students will also continue to build their knowledge of examination skills.

MFL

French: School - describe uniform and what they would like to change. Extra curricular activities and the benefits of school exchanges. Pressures and problems at school, giving advice. Compare school life in England and France.

German: Identity & Culture - Cultural life; Discussing sport in Switzerland; Learning about celebrations and festivals.

Spanish: Relationships.

History

Students study the key features of Crime and Punishment through time, examining how crimes, policing and punishment have evolved since medieval times. Students explore how different factors have impacted on crime and punishment through time including social change, the role of the government and changes in technology.

Geography

Students will be completing a unit about changing cities which takes an in depth look at urbanisation processes in the contrasting cities of Birmingham and Mexico City.

SMSC

Students will complete a unit on Being British and core British values this half term. They will consider the five British values and look at each in turn. Students will particularly consider how the British legal system is set up.

BTEC Sport

Student will be completing Unit 2: Practical Sports Performance. Students will be reflecting on their Practical performance and completing the coursework elements. These include Assignment 1: Understand the Rules, Regulations and Scoring systems for two selected sports and Assignment 3: Be able to review performance in two selected sports.

Performing Arts

Acting Skills and Dance Skills: Students are completing these two units which explore the fundamentals of preparing solo and group based work for both Acting and Dance. Both technical and performance skills are examined, developed and put into a performance context

Childcare

Students will be studying Unit 1 and will recognise a range of settings, local and national where care and learning is provided for children.

Beauty

Understanding the hair and beauty sector - Exam Unit. This unit will teach students the key facts about the world of hair and beauty, covering many topics including business ownership, types of hair and beauty business including job roles and qualifications, hair and beauty products and services, industry links, basic hair and beauty A and P plus hair and beauty rules and regulations.

Business

Students will continue to study unit 1 - Enterprises in the Business World. The students will also study Finance which allows them the opportunity to learn about profit and loss accounts, balance sheets, cash flow forecasts and costs.

Creative Studies

Art: In term 2 students will explore Collections which will introduce them to a range of new techniques and processes, such as; 3D, clay, wire, paper construction, mark-making and mixed media. They will be encouraged to develop their observational skills, working from direct observation.

Catering: Round the world food tour - look at food presentation, flavours and building on their skills. Theory lessons will look at nutrition and the effects of a poor diet.

Design Technology: Stationery Project. 2D / 3D CAD. This project will enable students to combine all of the technical skills and knowledge that they have gained so far in KS3 to be able to move forward to the examinable components with confidence. They will have opportunity to practice what they have done previously and enhance their technical knowledge further. They will be required to work to a given brief, analyse the brief, produce a list of design criteria and research existing products. From this they will produce a range of annotated sketches and then developed ideas that will be evaluated against their design criteria. They will model their final idea and develop further before producing a final prototype. They will work with a range of materials and CAD/CAM and a full manufacturing plan. They will produce a detailed evaluation and suggest modifications from peer review.

Textiles: Students will be developing their own repeat patterns based on their first hand observations (drawing and photography). They will be experimenting with a range of textile techniques in order to create their repeat patterns and considering the application of their work and ideas- e.g. fashion, installation, textile art, interiors.

Photography

Natural World- STILL LIFE. Students will learn how to use the following settings: Focusing, ISO, White Balance, Aperture and Shutter Speed.

Year 10
Curriculum Map
Spring 2 Term

Mathematics

Higher:

- Unit 13: More Trigonometry
- Unit 14: Further Statistics

Foundation:

- Unit 14: Multiplicative Reasoning

Science

Students are studying the new AQA GCSE - Trilogy.

Biology:

Preventing and Treating Disease, Non-Communicable Diseases, Photosynthesis, Respiration, The Human Nervous System, Hormonal Control, and Reproduction.

Chemistry:

Electrolysis, Energy Changes in Reactions, Rates of Reaction and Equilibria, Hydrocarbons Chemistry, Chemical Analysis, Chemistry of the Earth's Atmosphere and The Earth's Resources.

Physics:

Radioactivity, Forces in Balance, Motion, Force and Motion, Wave Properties, Electromagnetic Waves, Electromagnetism.

Creative Media

Students will complete Task 3 this half term and then revisit the skills of evaluation and critical commentary to complete Task 4 for the unit.

English

Students to recap study of Macbeth and continue to develop their analytical response to the text as part of the English Literature GCSE. Students will explore meaning and related contexts and work towards writing an essay with limited resources to prepare them for the closed book nature of the exam. Students will also spend a lesson per week being introduced to the poems: Ozymandias/My Last Duchess/Storm on the Island/The Prelude/London/Checking Out Me History

Childcare

Students will be studying Unit 1 and will recognise a range of settings, locally and nationally, where care and learning is provided for children.

ICT

Students will develop skills required for Component 1 coursework. Students will look at effective user interfaces and implementing one.

MFL

French: School - describe uniform and what they would like to change. Extra curricular activities and the benefits of school exchanges. Pressures and problems at school, giving advice. Compare school life in England and France.

German: Work - work experience and aspirations for after school.

Spanish: rWork - work experience and aspirations for after school.

History

Students examine the American West and the movement of settlers West. Through this unit the pupils will explore the lives and practices of the Plains Indians, the conflicts between settlers and Plains Indians, and what life was like for those attempting to settle across America.

Geography

Students will study a topic about global development. Within this they will study factors affecting development, measuring development, inequality in the UK and around the world and trade.

Computer Science

Students to finalise their NEA programming projects, completing the remaining few hours of the projects. Students to also explore Unit 2 theory for O2 exam.

BTEC Sport

Student will be completing Unit 2: Practical Sports Performance. Students will be reflecting on their Practical performance and completing the coursework elements. These include Assignment 1: Understand the Rules, Regulations and Scoring systems for two selected sports and Assignment 3: Be able to review performance in two selected sports.

Performing Arts

Unit 1 working in groups, students will respond to a given brief set by the exam board. They will produce a portfolio of research and skills development and then present a pitch based on their research and performance ideas. They will provide evidence of performance extracts to support their ideas.

Beauty

Responding to a design brief - Course work unit This unit will give the students an opportunity to be creative and use their imagination. They will be given a topic and then choose one for their design brief. The students will make a mood board to display their chosen brief and present their ideas.

Business

Component 3 -Promotion and finance for Enterprise - Demonstrate knowledge and understanding of elements of promotion and financial records. Interpret and use promotional and financial information in relation to a given enterprise. Make connections between different factors influencing a given enterprise. Be able to advise and provide recommendations to a given enterprise on ways to improve.

Creative Studies

Art: Students will begin working on their major project that contributes towards the majority of their 60% coursework grade; this coursework is due in December 2020. They are all working on independent projects responding to the theme of 'Identity'.

Catering: Pastry: Theory and practical to cover puff, shortcrust, filo, choux and flakey pastry. Linked to afternoon tea practice coursework task

Textiles: Students will be developing their own repeat patterns based on their first hand observations (drawing and photography). They will be experimenting with a range of textile techniques in order to create their repeat patterns and considering the application of their work and ideas- e.g. fashion, installation, textile art, interiors.

Photography

ARCHITECTURE - They will be researching different Photographers and responding to the work to explore personal themes in a variety of ways. Students will use their photography skills to take professional photos in the studio and on location. They will explore digital media and hands-on techniques to manipulate their photos.

BTEC Engineering

Unit 2 LAB Learning engineering through disassembly techniques. (multitool)

Year 11 Curriculum Map Spring 2 Term

Mathematics

By Y11, students will have covered the majority of topics, if not all of the topics. Teachers will use the December mocks to inform their planning.

Science

Each class is given a bespoke GAP unit which helps build upon gaps within their knowledge that have been highlighted during the Winter Mocks. Students will then start to look at the Paper 2 required practicals up until their second set of Mocks in March, which is a set of Paper 2 in Biology, Chemistry and Physics. After the mocks, students are given a second bespoke GAP unit to build upon gaps identified in the second set of mocks. This is rolled into general revision of topics until the exams begin in May.

Creative Media

Students will complete Task 4 of their chosen final coursework unit and have time to revisit and improve upon any previous tasks from this year.

English

Students will continue to revise and develop their analytical responses to the set texts as well as develop the reading and writing skills required for GCSE English Language.

Computer Science

Students to recap Unit 02 Computational Thinking, Algorithms and Programming theory.

ICT

Students will develop skills required for Component 1 coursework. Students will look at effective user interfaces and implementing one. Students will complete their Component 1 coursework. Students will evaluate effective user interfaces and implement their own.

SMSC

Students will be completing a unit on RSE. They will consider what a healthy relationship is, different types of contraceptive, STIs and where to go to get further advice. They will also consider the impact of magazines and pornography.

MFL

French: Revision to cover all 4 skills on each topic on a rotation
German: The final terms are spent doing revision for the exams and preparing for the speaking exams
Spanish: Students are completing the last sections of the content for the GCSE. Students are also being given structured revision and being coached through the speaking and writing exams.

History

Revising for their GCSE exam. Content revision of key topics including; Crime & Punishment, Henry VIII, American West and Germany.

Geography

Students will be finalising their studies to ensure that they are fully prepared for a full GCSE Geography mock examination. Following this assessment class teachers will use the remainder of the term to ensure that there are no areas of weakness throughout the course.

Business

Different promotional methods used by enterprises and the factors that influence how enterprises identify and target their market. Financial documents and how to use them to monitor and improve the performance of an enterprise in order to make decisions and recommend strategies for success.

BTEC Sport

Students will be completing Unit 3: The Mind and Sports Performance. Students will be completing the coursework elements. These include Assignment 1: Investigate personality and its effects on sports performance. Assignment 2: Explore the influence that motivation and self-confidence have on sports performance and Assignment 3: Know about arousal and anxiety and the effects they have on sports performance.

Childcare

Students will be working to complete Unit 2 and Unit 1 coursework and will continue to upgrade their coursework to achieve to the best of their abilities.

Beauty

Improving coursework grades These sessions are personalised to each student working on individual course work to improve the grade of course work unit. Some students are doing exam revision ready to sit the exam again on 19th May.

Performing Arts

Unit 2 - Working to as a company to produce a performance based on one of 5 briefs set by the exam board.

Creative Studies

Art: Students will respond to one of the exam themes provided by the exam board. They will have approximately 10 weeks to create a body of preparation that will support their timed 10hr exam where they will produce a final outcome.

Catering: Final coursework session then revision for AO1: the catering industry.

Textiles: Students will respond to one of the exam themes provided by the exam board. They will have approximately 10 weeks to create a body of preparation that will support their timed 10hr exam where they will produce a final outcome.

Photography

Students will respond to one of the exam themes provided by the exam board. They will have approximately 10 weeks to create a body of preparation that will support their timed 10hr exam where they will produce a final outcome.

BTEC Engineering

Component 1: Exploring Engineering Sectors. Understand engineering sectors, products and organisations, and how they interrelate.