

Year 7
Curriculum Map
Spring 1 Term

Mathematics

Delta (HPA):

- 5.1 Angles and parallel lines
- 5.2 Triangles
- 5.3 Quadrilaterals
- 5.4 Polygons
- 6.1 Ordering decimals
- 6.2 Rounding decimals
- 6.3 Adding and subtracting decimals
- 6.4 Multiplying decimals
- 6.5 Dividing decimals
- 6.6 Fractions, decimals and percentages
- 6.7 FINANCE: Working with percentages

Theta (MPA):

- 5.1 Comparing fractions
- 5.2 Simplifying fractions
- 5.3 Working with fractions
- 5.4 Fractions and decimals
- 5.5 Understanding percentages
- 5.6 Percentages of amounts
- 6.1 The language of probability
- 6.2 Calculating probability
- 6.3 More probability calculations
- 6.4 Experimental probability
- 6.5 FINANCE: Expected outcomes

Pi (LPA):

- 5.2 Multiples
- 5.3 Multiplication
- 5.4 Division
- 5.5 Solving problems
- 5.6 Factors and primes
- 5.7 Common factors and multiples
- 6.1 Estimates and measures
- 6.2 Decimal numbers
- 6.3 Metric units
- 6.4 Adding and subtracting decimals
- 6.5 Rounding
- 6.6 Multiplying and dividing decimals
- 6.7 FINANCE: Calculating with money

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!

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.

MFL

French: Students are learning about school and school subjects. They are developing their ability to give opinions and also use the present tense.

German: Students are learning about family and friends. They will be able to describe themselves and their personalities

Spanish: Students are learning to talk about family members, personalities and physical descriptions.

History

Students look at the roles that different kings and queens played in changing England form 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.

Computing

Students will be introduced to basic HTML and CSS in order to create a Web Page about a singer or band of their choice.

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 "Tutting" The students will look at this sub-genre of Hip Hop that involves intricate hand and arm movements to create geometric shapes. This unit develops skills in both Timing and clarity of movements and will allow those students who excel to begin to introduce their own choreography.

Drama "The Identification" Students will use a poem as stimulus to devise in this unit. They will explore the use of techniques including cross-cutting, flashback/forward and slow motion.

Music - step and leap - students will learn to read the notes of the treble clef and learn to play a melody and chords on the keyboard.

SMSC

Students will be studying a unit and evil and suffering. They will consider the arguments put forward by religious people and non-religious people in terms of the existence of a God when there is evil and suffering in the world. Within this unit students will also look at some examples of evil and suffering including the Holocaust.

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 1 Term

Mathematics

Delta (HPA):

- Reflection and translation
- Rotation
- Enlargement
- More enlargement
- Combining transformations
- 2D shapes and 3D solids
- Recurring decimals
- Using percentages
- Percentage change
- Repeated percentage change

Theta (MPA):

- Ordering decimals and rounding
- Place-value calculations
- Calculations with decimals
- Ratio and proportion with decimals
- Using ratios in calculations around STEM
- Quadrilaterals
- Alternate angles and proof
- Geometrical problems
- Exterior and interior angles
- Solving geometric problems

Pi (LPA):

- Adding and subtracting decimals
- Multiplying decimals
- Ordering and rounding decimals
- Problem-solving with decimals
- Measuring and drawing angles
- Vertically opposite angles
- Angles in triangles
- Drawing triangles accurately
- Designing nets

English

Students will develop on their persuasive writing skills, learning more advanced aspects of the writing style as this features prominently in the Language Exam at GCSE. They will write two assessed pieces over the unit - one summative and one formative. Forms will be letters, leaflets and essays. Topic of focus is the environment and issues and debates around climate change.

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.

Photography

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

MFL

French: Students will learn how to describe their personalities and talk about their hobbies and interests. They will talk about their identity and their fashion choices

German: Students will be able to talk about how they spend their time at home and with friends

Spanish: Students are learning about to describe their holidays and recent travels. It is the first unit done in the past tense and students will be developing this skill

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

Computing

Students will improve their skill level and knowledge of Databases, focusing on terminology, basic and advanced queries, reports and interfaces.

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 "Capoeira"

We will use this Brazilian Martial Art to develop skills in Balance, Co-ordination, Weight Placement and Working with a Partner.

Drama Students will be introduced to various drama techniques through the topic of the 'Titanic'. Students will use artefacts as stimuli and look stereotypes and class system through this historic event.

Music Students will look at the world of Rock n Roll: They will play a Rock n Roll song and compose their own number.

SMSC

Students look at the topic of healthy lifestyles. They will consider what a healthy diet is, how much exercise should be done per week according to the government and how to keep their mind healthy. Students will also briefly look at the effects of smoking and drinking alcohol.

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 marking 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 through 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 1 Term

Mathematics

Higher:

- Unit 3: Interpreting/Representing Data.
- Unit 4: Fractions, ratio and percentages.

Foundation:

- Unit 3: Graphs, Tables, Charts.
- Unit 4: Fractions and Percentages.

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 begin R091 - Designing a Game Concept. This half term they will research game platforms, including technical specifications and development. They will also begin to look at game design, including genres, objectives and mechanics.

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 system security and system software.

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 Christianity. They will consider why people believe in God and how this compares to their own opinion. Furthermore they will look at the impact being a Christian has on a believer's life. Students will also begin to build up their knowledge of how the examination is set out and what the mark scheme is for the questions.

MFL

French: School - school subjects, likes and dislikes with reasons, describing teachers and what makes a good teacher, describe the school physically.

German: Identity & Culture - Cultural life: Discussing leisure activities; Discussing reading habits; Discussing music; Discussing television and film.

Spanish: Past tense in the context of holidays and giving opinions on holidays.

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 ethics this half term. They will look at a variety of ethical issues including animal testing and other moral dilemmas.

BTEC Sport

Students will be completing Unit 2: Assignment 2: Practical Sports Performance. This includes developing and performing skills in Badminton and Basketball. Performance is assessed through the demonstration of skills in isolation and in competitive game situations. The unit is assessed through a practical moderation (Video Evidence).

Performing Arts

Students will look at a range of practitioners and their methodologies. They will study Stanislavski, Berkoff, Brecht.

Childcare

Students will be working toward completion of Unit 2 coursework and will begin Unit 1 coursework. They will sit the MCQ paper.

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, cashflow 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: Special Diets - Understanding the medical, ethical or religious reasons behind diet choices. Lactose Intolerance - milk investigation. Coeliac - different flour investigation. Diabetics and sugar free foods comparison

Design Technology: Aluminum Soft jaws - FPT

Knowledge: Working properties of non-ferrous metals. Work hardening
Skills: Cutting and shaping metal.
Adjustable Bevel - FPT Skills -2D Design
CAD - Marking out +/-1mm - Cutting and shaping - CAD / CAM Laser cutting - Riveting - Brazing - Plastic dip coating - Introduction to Fusion 360

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 1 Term

Mathematics

Higher:

- Unit 12: Similarity & Congruence

Foundation:

- Unit 12: Right-Angled Triangles
- Unit 13: Probability

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 work on R082 Task 3 where they design and create their own digital image to a brief. They document the process along the way and learn how to use file management software as well as developing advanced skill in software like Photoshop..

English

Students will be introduced to English Language paper 1, where they will focus on questions 2 and 3 - analysis of language and structure. Students will be exposed to a broad range of texts to build their experience with reading and interpreting unseen, and often complex, texts. Using what they know of how other writers use language and structure to engage readers, students will then develop their own creative writing skills in descriptive and narrative writing for English Language Paper 1 section B

Childcare

Students will be working toward completion of Unit 2 coursework and will begin Unit 1 coursework. They will sit the MCQ paper.

Computer Science

Students to complete their Non Exam Assessment programming projects over 20 hours of class time.

ICT

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

MFL

French: School - school subjects, likes and dislikes with reasons, describing teachers and what makes a good teacher, describe the school physically.

German: Healthy Lifestyles and discussing what factors can affect their health.

Spanish: recapping the key grammar points. Sports and recreation.

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.

SMSC

Students will be completing a unit on personal finance including what banks can offer, mortgages and how to budget. They will consider the pros and cons of borrowing money and look at gambling.

BTEC Sport

Students will be completing Unit 2: Assignment 2: Practical Sports Performance. This includes developing and performing skills in Badminton and Rounders. Performance is assessed through the demonstration of skills in isolation and in competitive game situations. The unit is assessed through a practical moderation (Video Evidence).

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 study still life drawing techniques and different approaches looking at how other artists and movements produce still life artwork. Students will produce a series of artwork accompanied with some research and analysis. This will prepare them for their personal project during Spring 2.

Catering: Understanding food labelling and the use of additives. Looking at different types of food packaging and how food packaging and marketing can influence food decisions. Practical will focus on food presentation skills

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

PORTRAITURE- Students will explore a variety of ways in which they can develop photography outcomes such as sculpture, installation work and methods of display.

BTEC Engineering

Unit 2 LAA Investigating Engineered products (Bike brake).

Year 11
Curriculum Map
Spring 1 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 the practical element (Task 3) of their chosen unit this half term. This will involve advanced camera skills and, for those on R089, use of non-linear editing software such as Premiere Pro.

English

Students will revise their modern text (either An Inspector Calls or DNA) They will explore the context of the time and critically evaluate the key themes, as well as the dramatic structures and messages of the play. They will continue to develop their skills around writing a critical and informed essay response to a question. Alongside this, they will continue with their work on English Language.

Computer Science

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

ICT

Students will revise Component 3 theory. Students will develop skills required for Component 1 coursework. Students will look at effective user interfaces and implementing one.

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 covering the final section of their GCSE examination looking at 'Geographical Investigations and UK challenges'. This will link directly into fieldwork they have collected for scrutiny in their Paper 3 examination.

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 studying Unit 1 and will recognise a range of settings, local and nationally, where care and learning is provided for children. They will learn how to prepare for work with children in a placement experience and understand how to value each child and their family. Students will know how to meet individual needs and learn how to practice fairly. Students will work to understand a range of study skills. They will learn how to identify their own learning style and recognise why this is important.

Beauty

Hair and Beauty Research Project - 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 a research project.

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: Coursework project continues - Practical exam shall be Feb - March 2018. Homework tasks: exam questions.

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 3: Responding to an Engineering Brief. Learners will investigate and create solutions to problems in response to given engineering briefs. Mock Exam Preparation