

# St Martin's School

## Curriculum Maps 2022/2023



***Year 7 – Summer Term 2023***  
**Curriculum Plans**

# Year 7 Mathematics - Curriculum Plans – Summer Term 2023

## Higher Sets

- Percentages: Increase/Decrease a number by a given percentage; Calculate one amount as a percentage of another
- Coordinate Geometry : Identify the midpoint of a line segment from a diagrams. Coordinates.
- Constructions: Construct a perpendicular bisector; Construct a perpendicular bisector from a point and to a point; Construct an angle bisector; Construct a regular square, triangle, hexagon.
- Representing Data: Produce a Scatter Graph and comment on Correlation; Plot a line of best fit and use for predicting / estimating (interpolation); Construct a stem and leaf diagram.
- Ratio and Proportion: Divide a quantity into two or more parts in a given ratio; Solve problems involving ratio and direct proportion (including recipe style questions); Use exchange rates to convert between currencies.
- Properties of Shape: Find a missing length given a volume and two lengths; Calculate surface area and volume of prisms; Draw more complex plans and elevations.
- Real Life Graphs: Speed, distance, time; Draw a graph from a real life problem (e.g. Travel graph); Interpret travel graphs including finding speed.
- Transformations: Translate shape in terms of a vector; Reflect a 2-D shape in line parallel to axis; Rotate a shape about any point; Describe a rotation about the origin; Enlarge 2-D shapes using a centre of enlargement and a positive integer; Find the centre of an enlargement as a coordinate; Describe an enlargement by stating its scale factor.

## Intermediate Sets

- Real Life Graphs: Use conversion graphs; Draw a travel graph; Interpret simple travel graphs.
- Representing Data: Construct pie charts using a protractor by converting frequency to degrees; Interpret pie charts; Complete and interpret two way tables.
- Ratio and Proportion: Use ratios to find fractions; Divide a quantity in a given ratio; Using equivalent ratios to solve problems e.g. strength of squash mixed in different parts; Introduction into exchange rates.
- Constructions: Compass skills; Construct a triangle given 1 side and 2 angles ASA; Construct a triangle given 2 sides and 1 angle SAS; Construct a triangle given 3 sides SSS.
- Properties of Shape (3D): Recognise and draw nets of complex 3D shapes e.g. cylinders, tetrahedrons; Calculate volume and surface area of cubes and cuboids; Draw plans and elevations of simple 3D solids.
- Transformations: Reflect a 2D shape in the axis of a graph; Translate shape in terms of a vector; Rotate a 2D shape given any point on the axis; Enlarge 2D shapes by a positive scale factor (including simple fractions).

## Foundation Sets

- Probability: Discuss the chance of an event happening; Express probability as a fraction; Display possible outcomes in an organised manner.
- Perimeter and Area: Calculate perimeters of polygons given lengths of all sides; Define areas in terms of square units; Understand and apply formulas for calculating perimeter and area of squares and rectangles.
- Units, Measure and Estimating: Accurately read scales in a range of contexts; Choose suitable units of measure; Estimate measures; Convert times between 12 hour and 24 hour.
- Representing Data: Construct and interpret compound/dual bar charts; Interpret simple pie charts; Construct simple pie charts (recall prior knowledge of fractions and percentages).
- Coordinate Geometry: Write down the coordinate of a point in all four quadrants; Construct a shape using coordinates; Complete a shape using coordinates
- Ratio and Proportion: write information as a ratio in a variety of contexts; Simplify a given ratio; Match equivalent ratios.
- Properties of Shape (3D): Draw 2D representations of 3D shapes on Isometric paper; Recognise and draw nets of basic 3D shapes; Find the volume of a solid by counting cubes.
- Real Life Graphs: Plot and read from Conversion Graphs.
- Transformations: Reflect in a mirror line; Rotate a shape about its centre or a vertex; Translate shape in terms of up/down/left/right.

# Year 7 Curriculum Plans – Summer Term 2023

## English

### Across these units of study, students will develop:

Accuracy in spelling and Standard English grammar.

Accuracy and variety of punctuation including different forms of sentence demarcation, colon, semi-colon, apostrophe and parenthesis.

Creative writing of non-fiction and fiction text types and conscious crafting of writing: planning, drafting, editing, amending; applying knowledge of language, grammar, structure, literary/rhetorical devices to own writing.

Spoken language skills: discussion, debate, asking questions, reading texts aloud with expression and clarity.

### Novel

Treasure Island by Robert Louise Stevenson

The Black Book of Secrets by F.E. Higgins

Skellig by David Almond

- Explore plot, setting characterisation and central themes and explore wider moral and social issues and how these are developed in longer texts.
- Learn grammatical and literary terminology regarding narrative and descriptive writing.
- Using writing to explore the text.
- Assessment: Analysing a short extract from the novel being studied.

### Poetry

- Read challenging and engaging material to develop understanding of poetry from different times and cultural contexts, exploring wider moral and social issues including Shakespeare, Chaucer, A Bronte, Heaney and Blake.
- The subject terminology of poetry regarding sound, structure and figurative language.
- Writing to describe.

### The Tempest – William Shakespeare

- Cultural capital: political, cultural and social context of Shakespeare's world, exploring wider moral and social issues.
- Learn dramatic terminology and explore Shakespeare's use of language in creating character and drama.
- Writing in role, writing to describe, writing to persuade.
- Assessment: Descriptive writing based on an image.

### PPE Preparation (Fiction)

- Reading: Question 1 – comprehension skills and inference; Question 2 – analysing language and effects; Question 3 – analysing the structure of a text and effects; Question 4 – analysing language and structure to create an opinion based on a statement.
- Writing to describe based on an image.
- Assessment: Reading and Writing PPE

### 19<sup>th</sup> Century Texts

- Cultural Capital: the Victorian/19<sup>th</sup> century world exploring wider moral and social issues.
- Read challenging and varied 19<sup>th</sup> century texts including HG Wells, C Doyle, WW Jacobs and C Dickens.
- Developing use of complex vocabulary and subject terminology relevant to narrative forms.
- Writing to describe/narrate/inform; newspaper article.
- Assessment: Analysis of a short extract from the novel 'Great Expectations'.

### Year 7 Prospectus (writing for a real audience)

- Explore a range of non-fiction texts – review, correspondence, newspaper article/opinion piece.
- Writing to argue, persuade, advise, instruct – using appropriate lexical, grammatical and structural devices – developing range of sentence types in writing.
- Learn new vocabulary and subject terminology relevant to writing non-fiction.
- Assessment: Writing for a real audience – write a persuasive/informative letter to a local primary school about St Martin's.

### Travel Writing

- Explore a range of fiction and non-fiction texts on the theme of travel writing understanding writers' methods.
- Writing to describe, writing to persuade using appropriate lexical, grammatical and structural devices.
- Develop complexity of sentence structures, noun phrases and range of sentence types in writing.
- Refer to evidence in a text and use quotation in analysis of shorter texts.

# Year 7 Curriculum Plans – Summer Term 2023

## Year 7 Science

### Acids and Elements

- Atoms, elements, compounds and molecules
- Indicators
- Neutralisation
- Metals and non metals
- Reactions

### Forces and Space

- Types of forces
- Force diagrams
- Investigating springs, friction and pressure

### Sound

- Frequency and pitch
- Moving sound
- The ear
- Using Sound
- Soundproofing

### PPE

- Preparation and revision
- Dedicated improvement feedback tasks after the paper has been marked.

*Please be aware students may study these units in a different order than listed.*

# Year 7 Curriculum Plans – Summer Term 2023

## History

### **Medieval Realms – continued**

Students complete their study of what life was like for people in Medieval England and their place in the wider world.

### **The Islamic Empire**

Students will learn about the origins and expansion of the Islamic empire from the 7<sup>th</sup> century to the 16<sup>th</sup> century. They will also look at culture, trade, travel, health and medicine, art and architecture, whilst drawing comparisons to both the Roman Civilisation and the Western Medieval world. They will continue to build on their historical skills developed in the first part of the course.

## Geography

### **Weather and Climate**

Students will learn about the water cycle and what causes our weather patterns. They will look into how and why weather patterns change and why climate change will impact weather events now and in the future. Case studies of recent events will be used i.e. Beast from the East and Australia bushfires.

### **Fieldwork skills**

In the second half of the term, students will get the opportunity to go out into the school grounds and complete fieldwork, collecting data and writing up their findings.

## PRE

### **Is religion still important in the 21<sup>st</sup> Century?**

For the summer term, students will explore the diverse world of religion. Students will encounter Humanism, and be able to draw upon their knowledge of the six major world traditions to see how Humanism differs to them. They will also encounter smaller religions, whilst also exploring changing ideas about God. At the end of the year, students will develop their transferrable skills by completing a presentation project.

# Year 7 Curriculum Plans – Summer Term 2023

## French

### Listening, speaking, reading and writing skills in French covering the following:

- Talking about your town and village
- Giving opinions on your town and using opinion phrases such as 'à mon avis' etc
- Giving directions
- Talking about where you go on the weekends
- Asking someone to go somewhere
- Saying what you can/cannot do in your town
- Talking about your holidays
- Learning countries and other holiday destinations
- Saying what you do when you are on holiday
- Talking about getting ready to go out
- Buying drinks and snacks, discussing prices, reading menus
- Talking about holiday plans for the near future

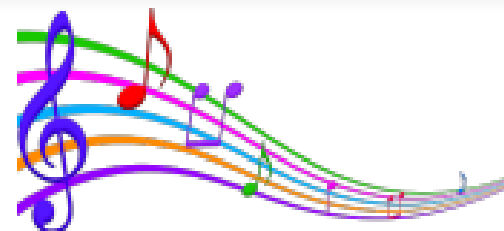
## German

### Listening, speaking, reading and writing skills in German covering the following:

- School subjects
- Reasons and opinions
- Days and times
- Describing teachers
- Possessive adjectives
- School building
- School rules – what you are allowed to do
- Prepositions
- Regular and irregular verbs
- Introduction to modal verbs
- Saying what there is/ isn't in a town
- Saying what souvenirs you want to buy
- Saying what you would like
- Buying snacks and drinks
- Holiday plans
- Using *es gibt*
- Using *kein*
- *möchten* with the infinitive
- *Man kann* with the infinitive
- Using *werden* to form the future tense



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MUSIC



## Year 7 – The Big Picture

In the first three half terms, you will study the following schemes of work (in this order):

### Musical Elements

You will develop knowledge of all the key elements of music, and how pieces of music are created when they are put together. You will also start to develop your keyboard skills by playing a basic piece.

### Performance Skills

You will develop your ability to perform music on a selection of instruments through two tasks, the first being the composition of a waltz, and the second being a performance of a pop song.

### The Orchestra

You will develop your knowledge of orchestral instruments, the different timbres they produce, and some key orchestral repertoire. You will further develop your keyboard skills.

In the second three half terms, you will study the following schemes of work (not necessarily in this order):

### Rap and Hip Hop

You will develop your songwriting skills through rap and hip hop – how this genre developed, some key repertoire and its relevance in today's society. You will also develop your teamwork and lyric writing skills.

### Escape from the Vernacular

Having spent the past few terms learning how music is put together, this topic will encourage you to throw the rule book out the window and create music that pushes boundaries in every respect.

### Programme Music

You will develop your knowledge of how music can be used to describe a variety of events, scenes, atmospheres and stories. You will create your own descriptive compositions using music technology.

# Year 7 Curriculum Plans – Summer Term 2023

## Drama

SUMMER TERM 1	SUMMER TERM 2
<p><b>GREEK THEATRE</b></p> <p>Exploring the history and style of Greek Theatre</p> <p>Theatre history Greek mythology choral movement and voice characterisation non-verbal communication</p>	<p><b>THEATRE PRACTITIONERS</b></p> <p>Exploring influential theatre practitioners using the story of <i>Alice in Wonderland</i></p> <p>Theatre history Stanislavski's Method Brecht's Epic Theatre Berkoff's Total Theatre Artaud's Theatre of Cruelty Complicite's use of space Grotowski's Poor Theatre</p>



# Design & Technology - Annual Curriculum

Food		Graphics	RM	Textiles	Innovation	
Year 7 - DT	General Health & safety in the workshop/kitchen	<u>Breakfast Project</u> <ul style="list-style-type: none"><li>• Safety of foods</li><li>• Enzymic browning</li><li>• Healthy breakfasts</li><li>• Food Provenance</li></ul> <u>Practical Dishes</u> <ul style="list-style-type: none"><li>• Cooker License</li><li>• Sandwich</li><li>• Fruit Fusion</li><li>• Dippy Divers</li><li>• Apple crumble</li><li>• Potato wedges</li><li>• Frittata</li></ul>	<u>Chocolate box Project</u> <ul style="list-style-type: none"><li>• Product analysis</li><li>• Specification</li><li>• Design Ideas</li><li>• 2D and 3D drawing</li><li>• Making card nets</li><li>• Wood &amp; plastics</li><li>• Scroll saw, pillar drill</li><li>• Vacuum forming</li><li>• Working to tolerance.</li></ul>	<u>Visibadge Project</u> <ul style="list-style-type: none"><li>• Basic Electronics</li><li>• Energy storage</li><li>• Plastics</li><li>• Soldering</li><li>• Strip heating</li><li>• Production Diary</li><li>• Working to tolerance.</li></ul>	<u>Monsters Project</u> <ul style="list-style-type: none"><li>• Natural Fibres</li><li>• Product Analysis</li><li>• Safe use equipment</li><li>• Design ideas</li><li>• Hand sewing skills</li><li>• Working to tolerance.</li></ul>	<u>Wildlife House</u> <ul style="list-style-type: none"><li>• Product Lifecycles</li><li>• Impact of plastics on the environment</li><li>• Making skills</li><li>• Repurposing plastic waste materials</li></ul>
		All students in KS3 study DT via a carousel with 5 subject areas that rotate approximately every 14 lessons throughout the school year. All projects combine practical skills and theoretical knowledge. Each project has an assessed practical piece and a theory test.				

# Art - Annual Curriculum

	Still Life	Portraits	Creative Cakes	Insects
Year 7 - Art	<b>Concertina work</b> <ul style="list-style-type: none"><li>• Understanding tone and colour theory</li><li>• Brush control</li><li>• Composition and page layout.</li><li>• Researching and taking inspiration from Artists</li></ul> <b>Final Piece</b> <ul style="list-style-type: none"><li>• Design inspired by Artist.</li><li>• Watercolour, colour pencil and fine-liner</li></ul> <b>Homework</b> <ul style="list-style-type: none"><li>• Hot and Cold colours</li><li>• Artist transcription</li></ul>	<b>Concertina work</b> <ul style="list-style-type: none"><li>• Facial features</li><li>• Face proportions</li><li>• Adding tone</li><li>• Researching and taking inspiration from Artists</li><li>• Art History and analysis</li></ul> <b>Final Piece</b> <ul style="list-style-type: none"><li>• Abstract design using poster paint and pen outlines</li><li>• Brush control, colour theory, colour blending</li></ul> <b>Homework</b> <ul style="list-style-type: none"><li>• Half portrait drawing</li><li>• Artist research.</li></ul>	<b>Concertina work</b> <ul style="list-style-type: none"><li>• Line drawing and adding tone</li><li>• Viewfinder of food packaging using colour pencil</li><li>• Lollipop using watercolour and fine-liner pen</li><li>• Final piece designs</li></ul> <b>Final Piece</b> <ul style="list-style-type: none"><li>• Cardboard relief construction</li><li>• Poster paint to complete</li></ul> <b>Homework</b> <ul style="list-style-type: none"><li>• Extended project 3-D food sculpture</li></ul>	<b>Concertina work</b> <ul style="list-style-type: none"><li>• Collage images</li><li>• Insect drawings using colour pencil and biro pen</li><li>• Mark making and tone</li><li>• Leaf printing</li><li>• Final piece design</li></ul> <b>Final Piece</b> <ul style="list-style-type: none"><li>• Watercolour paint on fabric</li><li>• Blending and watercolour wash techniques</li><li>• Embellish design</li></ul> <b>Homework</b> <ul style="list-style-type: none"><li>• Artist transcription</li><li>• Collecting leaves and images</li></ul>
	All Students in KS3 complete 4 projects a year, working in concertina sketchbooks. Each year covers a range of different mediums, techniques and skills, artists and cultures. Building on techniques and skills each time they are covered in a different theme.			

# Year 7 Curriculum Plans – Summer Term 2023

## Digital Literacy

Students will develop their digital knowledge and skills on the following topics:

- ❖ Cyber Security
- ❖ E-Safety and online etiquette
- ❖ Safe Online
- ❖ Internet & web
- ❖ Fake news
- ❖ Social media
- ❖ User Interface
- ❖ What is Ai
- ❖ Digital Pathway
- ❖ Digital Courses
- ❖ Digital Research

- ❖ Animation
- ❖ Junior Web Developer
- ❖ Graphic Design Automation
- ❖ Problem Solving
- ❖ Researcher
- ❖ Social Media Influencer
- ❖ Advertising
- ❖ Block Chain

In addition students will develop accuracy and speed of their typing ability

# Year 7 Physical Education – Summer Term 2023

FUNDAMENTAL SKILLS	BEFORE HALF TERM 6 weeks		AFTER HALF TERM 6.5 weeks	
	Commencing 17.04.23	Change week commencing 08.05.23	Commencing 05.06.23	Change week commencing 26.06.23
<b>Kobe/Murray</b> (Girls)	Athletics (Field)	Athletics (Field)	Rounders (Field)	Swimming Strokes (Pool)
<b>Cook/Daley</b> (Girls)	Athletics (Field)	Cricket (Nets/MUGA)	Rounders (Field)	Badminton (Sports Hall)
<b>Dina/Kenny</b> (Girls)	Rounders (Field)	Short Tennis (Sports Hall)	Athletics (Field)	Cricket (Nets/MUGA)
<b>Scott/Storey</b> (Boys)	Athletics (Field)	Athletics (Field)	Swimming Strokes (Pool)	Striking and Fielding (Nets/MUGA)
<b>Corbin/Adams</b> (Boys)	Athletics (Field)	Swimming Strokes (Pool)	Short Tennis (Sports Hall)	Striking & Fielding (Nets/MUGA)
<b>Max/Peaty</b> (Boys)	Swimming Strokes (Pool)	Short Tennis (South Gym)	Athletics (Field)	Striking & Fielding (Nets/MUGA)