

# St Martin's School

# Curriculum Maps 2023/2024



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

# Year 7 Curriculum Plans – Autumn Term 2023

## Year 7 Mathematics

### **Higher Sets**

- **Place Value and Numerical Methods:** Round to a given number of significant figures; Truncating numbers; Multiply and divide whole numbers and decimals; Simple inequalities
- **Properties of Number:** Order of Operations (including squares and cubes)
- **Lines and Angles:** Angle properties of triangles and quadrilaterals; Recognise and solve corresponding angles, alternate angles, co-interior angles
- **Powers and Roots:** Use index notation for integer powers; Use simple rules of indices applied to positive and negative numbers; Use the terms square, positive and negative square root, cube and cube root
- **Expressions, Equations and Formula:** Solve equations involving brackets; Solve equations with unknown on both sides; Rearrange simple formula
- **Fractions:** Write a quantity as a fraction of another quantity; Add, subtract, multiply divide fractions with different denominators and simple mixed numbers; Applications of fractions
- **Collecting & Analysing Data:** Find the mode, mean, median and range for any set of discrete data; solve more complex problems relating to these averages; Record discrete data using a frequency table; Calculate mode, mean, median and range from a frequency table; Compare and comment on two frequency distributions
- **Factors, Multiples and Primes:** Find the prime factor of a number and express as a product of prime factors using index notation; Find HCF and LCM using prime factors
- **Properties of Shape (2D):** Solve problems based on shape properties (e.g. Missing angles, missing lengths); Understand that congruent shapes have the same lengths and angles

### **Intermediate Sets**

- **Place Value and Numerical Methods:** Round whole numbers to the nearest 10, 100, 1000 and to 1 significant figure; Round to the nearest whole number and 1 or 2 decimal places; Multiply & divide decimal numbers by 10, 100 and 1000; Multiply & divide whole numbers & decimals
- **Directed Numbers:** Order, add and subtract negative numbers in context; Multiply and Divide with negative numbers; Add, subtract, multiply and divide negative numbers in context
- **Lines and Angles:** Understand parallel & perpendicular lines; Solve problems involving angles at a point, angles on a straight line, vertically opposite angles
- **Powers and Roots:** Square numbers, square roots (up to 12); Cube numbers, cube roots (up to 10); Use index notation for whole numbers (including squaring and cubing)
- **Expressions, Equations and Formula:** Solve 1 - 3 step equations; Write simple formulas/equations/expressions algebraically; Rearrange simple formula; Substitution of positive and negative integers; Expand single brackets
- **Fractions:** Order fractions; Write a quantity as a fraction of another quantity; Multiply/divide fractions (understand reciprocal); Add/subtract fractions (different denominators)
- **Collecting & Analysing Data:** Find the mode, mean, median and range for any set of discrete data; Compare two distributions using the range and one average
- **Factors, Multiples and Primes:** Find LCM and HCF of two or more numbers by listing; Problem solving e.g. train times; Sorting numbers into Venn diagrams (multiples / primes etc.)

### **Foundation Sets**

- **Place Value and Numerical Methods:** Read and write numbers in figures and words; Round to the nearest 10, 100 and 1000; Secure written methods for whole number addition and subtraction; Use understanding of place value to multiply and divide by 10,100 and 1000; Secure written methods for whole number multiplication and division
- **Directed Numbers:** Order positive/negative numbers on a number line; Add/subtract negative integers; Add/subtract negative numbers in context (e.g. Temperature)
- **Lines and Angles:** Recognise and estimate the three types of angle; Measure and construct an angle to the nearest degree; Eight points of a compass
- **Powers and Roots:** Recall the square numbers up to  $12 \times 12$ ; Practice methods of multiplication to calculate squares and cubes; Efficient use of a calculator to find squares and roots
- **Expressions, Equations and Formula:** Expressions and equations; Simplify expressions; Use simple formulas written in words; Substitute positive numbers into a simple formula
- **Fractions:** Find equivalent fractions; Order fractions with the same denominator; Simplify Fractions; Add and subtract fractions with the same denominator; Change an improper fraction to a mixed number; Change a mixed number to an improper fraction; Find a fraction of a whole
- **Factors, Multiples and Primes:** Understand definition of multiple, factor and prime factors. Find multiples of a number; Find a factor pair of a number; List common multiples; Test to see if a number is prime

# Year 7 Curriculum Plans – Autumn Term 2023

## Year 7 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 Louis 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

#### 19th 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 H.G Wells, C Doyle, W.W. 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 Saint 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 – Autumn Term 2023

## Year 7 Science

### **Safety in the laboratory**

- Safety rules in a laboratory
- Scientific skills
- Practical science investigation skills

### **Cells and the Body**

- Cells, tissues and organs
- Muscles, the skeleton, exercise and drugs

### **Particle Model and Separating Mixtures**

- Solid, liquids and gases
- Movement of particles
- Separating mixtures techniques

### **Energy and Electricity**

- Energy types and energy resources
- Energy transfers
- Electricity and types of circuits
- Simple circuit components

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

# Year 7 Curriculum Plans – Autumn Term 2023

## History

### What is History?

Students will learn about chronology and bias, and then conduct an investigation into the Tollund Man. These lessons bring together a range of History skills – including using sources as evidence.

### The Romans

We have a lot to be thankful for what the Romans did for us. Students will explore how Roman society was organised, what life was like for the Romans, and how it collapsed. Assessments will allow students to develop their evaluation and source skills.

## Geography

### What is Geography? Map Skills

In this topic students will explore the crucial map skills required – including using 4 figure, and 6 figure, map references.

### Global Issues

The world has a lot of issues, so students will explore some of the key and pressing issues faced today. These include poverty, hunger, energy use and plastic pollution.

## PRE

### What is a Person?

Students will begin developing their philosophical enquiry skills by considering questions such as, "what makes you you?" and "what is the meaning of life?".

### Creation Stories

Students will explore creation stories from around the world, assessing the links between the stories and dominant culture. These include Navajo, Aboriginal, Chinese and more.

# Year 7 Curriculum Plans – Autumn Term 2023

## French

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

- Greetings and introductions
- The French alphabet – how to spell your name
- The numbers 1-30. How old are you?
- Birthdays – days of the week and months of the year
- Items in your pencil case
- Colours and basic adjective positioning and agreement
- Animals and family members using avoir
- Talking about likes and dislikes
- Your survival kit
- Describing yourself using a range of adjectives
  - Talking about other people
- Describing a musician

## German

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

- Greetings and introductions
- To pronounce German words
- Say the Alphabet
- Say where you live
- Describe your Character
- Answering questions about your belongings
  - Using mein and dein (my and your)
  - Haben (to have) and indefinite article (a)
- Favourite things
- Pets
- Pronouns
- Superpets
- Modal verb and infinitive
- Age and family members
- Present tense verbs
- Describing family members
- Colours
- Adjectives with nouns
- Birthdays



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MUSIC



## Year 7 – The Big Picture

In the first three half terms you will study the following, focusing on understanding and applying the fundamentals:

### 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 use your new understanding in different practical applications:

### 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.

### Pop Composition 101

This topic will cover scales, chords, chord sequences, pop structures and melodies in a project where you write your own, modern pop song.

### 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 – Autumn Term 2023

## Drama

AUTUMN TERM 1	AUTUMN TERM 2	SPRING TERM 1	SPRING TERM 2	SUMMER TERM 1	SUMMER TERM 2
<b>NORTHWOOD HALL</b>  Characterisation, creating tension and suspense	<b>STORYTELLING AND PANTO</b>  Narration, vocal skills, exaggerated performance, breaking the 4 <sup>th</sup> wall	<b>MELODRAMA</b>  Theatre history, style and genre, movement, characterisation, non-verbal communication	<b>SILENT MOVIE</b>  Characterisation, movement, non-verbal communication	<b>GREEK THEATRE</b>  Theatre history, Greek mythology, choral movement and voice	<b>PRACTITIONERS</b>  Significant moments in theatre history, style and genre explored through the story of Alice in Wonderland



# Design & Technology - Annual Curriculum

		Food	Graphics	RM	Textiles	Innovation
Year 7	General Health & safety in the workshop/kitchen	<b>Breakfast Project</b> <ul style="list-style-type: none"> <li>• Safety of foods</li> <li>• Enzymic browning</li> <li>• Healthy breakfasts</li> <li>• Food Provenance</li> <li>• Vitamins and Minerals</li> </ul> <b>Practical Dishes</b> <ul style="list-style-type: none"> <li>• Cooker License - Hob</li> <li>• Sandwich</li> <li>• Fruit Fusion</li> <li>• Dippy Divers</li> <li>• Apple crumble</li> <li>• Potato wedges</li> <li>• Frittata</li> </ul>	<b>Chocolate box Project</b> <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>	<b>Visibadge Project</b> <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>	<b>Monsters Project</b> <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>	<b>Innovation Projects</b> <ul style="list-style-type: none"> <li>• Climate change</li> <li>• Impacts of climate change</li> <li>• Plastic waste</li> <li>• Impacts of waste</li> <li>• Product Lifecycle</li> <li>• Learning to use IT: Power point, 2D Design</li> </ul>
		<p>All students in KS3 study DT via a carousel with 5 subject areas that rotate approximately every 14 lessons throughout the school year.</p> <p>All projects combine practical skills and theoretical knowledge. Each project has an assessed practical piece and a theory test.</p>				

# 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>
		<p>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.</p>			

# Year 7 Curriculum Plans – Autumn Term 2023

	BEFORE	HALF-TERM 7 weeks	AFTER	HALFTERM 8 weeks
<b>Fundamental Skills</b>	Commencing 4.9	Change week beginning 2.10	Commencing 30.10	Change week beginning 27.11
<b>Kobe/Murray</b>	Netball (Netball Courts)	Trampolining (North Gym)	Basketball (Sports Hall)	Health & Fitness (North Hall)
<b>Cook/Daley</b>	Swimming Strokes (Pool)	Netball (Netball Courts)	Trampolining (North Gym)	Health & Fitness (South Hall)
<b>Dina/Kenny</b>	Badminton (Sports Hall)	Swimming Strokes (Pool)	Basketball (South Gym)	Health & Fitness (MUGA)
<b>Scott/Storey</b>	Rugby (Field)	Basketball (Sports Hall)	Handball (MUGA)	Badminton (Sports Hall)
<b>Corbin/Adams</b>	Rugby (Field)	Handball (MUGA)	Netball (Netball Courts)	Trampolining (Nth Gym)
<b>Max / Peaty</b>	Trampolining (Nth Gym)	Multi-Sports (South Gym / MUGA)	Table Tennis (Nth Hall)	Basketball (South Gym)