

St Martin's School

Curriculum Maps 2022/2023



Year 9 – Spring Term 2023
Curriculum Plans

Year 9 Curriculum Plans – Spring Term 2023

Year 9 Mathematics

Higher Sets	<u>Properties of Shape (2D)</u> : Missing lengths in similar triangles using parallel line rules; Area and volume scale factors
	<u>Probability</u> : Problems with/without replacement; Venn diagrams
	<u>Coordinate Geometry</u> : $Y=MX+C$, Equation of a line through point and gradient; Equation of a line given two points; Parallel and perpendicular lines
	<u>Perimeter and Area</u> : Sector area and arc length; Pythagoras problems; SOHCAHTOA; Exact trig. values
	<u>Units, Measure, Estimating</u> : Calculating using upper/lower bounds with perimeter/area; Find approximate value using bounds
	<u>Representing Data</u> : Cumulative frequency graph; Box Plot; Quartiles and compare data on both
Intermediate Sets	<u>Perimeter and Area</u> : Algebra and perimeter/area; Arc length; Area of sector; Composite shapes; Pythagoras Theorem
	<u>Number Patterns and Sequences</u> : Explain why a number doesn't appear in a sequence; Next term in quadratic sequence; Nth term of a quadratic sequence; Simple geometric and Fibonacci sequences
	<u>Fractions, Percentages, Decimals</u> : Comparing fractions and percentage problems; Ratio with fractions and percentages
	<u>Units, Measure, Estimating</u> : Upper/Lower bounds; Error intervals; Metric area and volume conversions
	<u>Probability</u> : Relative and expected frequency; Tree diagrams; Venn Diagram notation
	<u>Percentages</u> : Percentage change; Using multipliers for increase/decrease
	<u>Perimeter and Area</u> : Algebra and perimeter/area; Arc length; Area of sector; Composite shapes; Pythagoras Theorem
	<u>Number Patterns and Sequences</u> : Explain why a number doesn't appear in a sequence; Next term in quadratic sequence; Nth term of a quadratic sequence; Simple geometric and Fibonacci sequences
Foundation Sets	<u>Perimeter and Area</u> : Compound shapes; Area of parallelograms and trapezium; Circumference and area of circles
	<u>Number Patterns and Sequences</u> : Generate sequence from nth term; calculate specific term in a sequence; Find nth term
	<u>Fractions, Percentages, Decimals</u> : Fraction to Decimal by division; Order FDP; Problems comparing fractions and percentages of quantity; FDP inequalities
	<u>Units, Measure, Estimating</u> : Converting time to decimals; Problems involving conversion of units
	<u>Probability</u> : Sample space diagrams; mutually exclusive and independent events; AND/OR rules; Venn diagrams; frequency trees
	<u>Percentages</u> : Increase/Decrease; Calculate one as a percentage of another
	<u>Perimeter and Area</u> : Compound shapes; Area of parallelograms and trapezium; Circumference and area of circles
	<u>Number Patterns and Sequences</u> : Generate sequence from nth term; calculate specific term in a sequence; Find nth term

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Year 9 English

Across these units of study, students will develop:

Accuracy in spelling and in using Standard English grammar in writing and appropriate spoken contexts.
An increasing range of ambitious and complex vocabulary.
Accuracy and variety of punctuation and sentence demarcation.
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.
Communicating clearly, effectively and imaginatively in speech, selecting and adapting tone, style and register for different forms, purposes and audiences.
Organisation of information and ideas, using structural and grammatical features to support coherence and cohesion in own texts.

Of Mice and Men: John Steinbeck

Cultural capital: social, historical context America/California in the 1930s; issues of race, gender, disability and the American Dream.
Characterisation of Lennie, George and other key characters. Central themes: loneliness, alienation, dreams, society, gender and race.
Steinbeck's literary, moral and political purpose.
Subject terminology/literary features relevant to text: allusion/intertextual reference, pathetic fallacy, narrative structure, symbolism, motif, allegory, foreshadowing, structural parallel, aptronym and patterns of characters.
Using evidence from the text, focussed quotations, subject terminology and reference to context in discussion, written summary and analysis.
Writing "a lot about a little".
Creative writing in role
Assessment: GCSE English Literature Paper style short extract/whole text analysis.
Poetry and Speaking and Listening: Dramatic Monologue
GCSE Spoken Language Preparation/GCSE English Literature Paper 2 Poetry: the theme of 'Family Relationships'.
Subject terminology and exploration of poets' methods to include voice, tone, metrical, figurative and phonological features.
Comparison between poems and poets. Writing "a lot about a little".
Studying a range of short dramatic monologues. Conventions of the dramatic monologue genre: spontaneous speech features, narrative hook, speaker, addressee, persona, dialect, idiolect, idiom, coup de theatre.
Standard English/Received Pronunciation.
Creative writing in role.
Assessment: GCSE Spoken Language style assessment: dramatic monologue in role (Pass, Merit, Distinction)

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Year 9 Science

Organisation

- Principles of organisation
- Animal tissues, organs and organ systems
- Plant tissues, organs and systems

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

Bonding, Structure, and the Properties of Matter

- Chemical bonds, ionic, covalent and metallic
- How bonding and structure are related to the properties of substances
- Structure and bonding of carbon
- Bulk and surface properties of matter including nanoparticles

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History

The Second World War

Students will discover why the war broke out, only 20 years after the '*war to end all wars.*' They will then go on to study the key turning points of the war, such as the Battle of Britain and the bombing of Pearl Harbour and assess which was the most significant. Finally, students will evaluate the social, economic and human cost of the war.

Geography

World biomes

Students will discover the different biome environments around the world, exploring differing climates and how human and physical adaptations have interacted/changed.

Russia

Students will delve into the social, economic and environmental aspects of Russia. They will evaluate how Russia is developing and its connections to other countries.

PRE

Ethics and Philosophy

In this topic students will learn about different specific ethical theories and how they apply to real life issues. They will ask themselves what makes an action right or wrong. After this, they will look at different branches of Ancient Greek philosophy, including the legendary Aristotle and Plato.

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French

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

- Learning parts of the body
- Talking about sport and fitness
- Learning about healthy eating
- Making plans to get fit
- Describing levels of fitness
- Describing jobs
- Learning languages
- Saying what you used to do
- Discussing your future and your past
- Talking about your job
- à + definite article,
- nous form of the present tense
- *il faut, depuis* + present tense
- talking about the future, negatives – *ne ... pas* and *ne ... jamais*
- the future tense
- using three tenses together
- nouns for jobs
- modal verbs (*pouvoir, vouloir, devoir*)
- the imperfect and future tense
- question form

German

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

- Likes and dislikes on types of music
- Types of instruments
- Describing and comparing bands
- Describing a music festival
- Crazy ambitions
- Reasons for doing jobs
- Saying what you would like to be
- Working in a ski resort
- Subject and direct object pronouns
- Opinions and justifications using *weil*
- *Seit* + present tense
- Comparatives
- Imperfect of *sein*
- Using perfect tense separable verbs
- Future tense
- Conditional
- *Um ... Zu*
- Verb second idea
- Prepositions *In* + *auf* plus accusative and dative

Design & Technology - Annual Curriculum

		Food	Graphics	RM	Textiles	Innovation
Year 9 - DT	Recap Health and safety in the workshop/kitchen	Street Food Project <ul style="list-style-type: none"> • Proteins and alternatives • Safe preparation • Micro organisms • Gluten formation • Egg cookery • Ethical, animal welfare, environment, health • Impact of food production - eggs Practical Dishes <ul style="list-style-type: none"> • Sausage rolls • Vegetarian curry • Spring rolls • Chicken noodle soup • Koftas • Cup cakes • Baked flat bread 	File Box Project <ul style="list-style-type: none"> • Design Eras • Specification • Design ideas • Corrugated card • Drawing and making nets • 2D and 3D drawing • Vinyl cutting • Lithographic printing • Die cutting • CAD/CAM – 2D design 	Candle Holder Project <ul style="list-style-type: none"> • Designing for a user • Metals • 2D and 3D drawing • Design modelling • Working with metals & wood • Hand tools • Pillar drill, disc sander, scroll saw • Metal finishes • Working to tolerance 	E Key Ring Project <ul style="list-style-type: none"> • E Textiles • Conductive thread • Electronics • Design ideas • Design modelling • Hand sewing • Making patterns • Advances in modern technology materials 	Computer Aided Design Software <ul style="list-style-type: none"> • 2D design • Tinker CAD • Microbit programming • Computer generated 2D and 3D drawing
		<p>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.</p>				

Art - Annual Curriculum

		One-Point Perspective	Portraits	Food	Jasper Johns
Year 9 - Art		Concertina work <ul style="list-style-type: none"> • One-Point perspective shapes adding tone • One-Point perspective words using colour blending • Artist transcription • Collage of architecture - composition and scale Final Piece <ul style="list-style-type: none"> • Worms eye view using pen and ink Homework <ul style="list-style-type: none"> • One-Point perspective tutorial • Artist research 	Concertina work <ul style="list-style-type: none"> • Typography title page • Artist inspired watercolour portrait • Artist analysis and research • Portrait collage – overlapping and layering Final piece <ul style="list-style-type: none"> • Grid method portrait, drawing from collage. • Tone, colour pencil, fine-liner Homework <ul style="list-style-type: none"> • Artist transcription • Facial feature tutorials 	Concertina work <ul style="list-style-type: none"> • Food wrapper drawings using tonal pencil • Artist transcription using mixed media • Mono-print study of food Final piece <ul style="list-style-type: none"> • Logos and food labels • Composition and layering design Homework <ul style="list-style-type: none"> • Artist research • Coca Cola can tutorial 	Concertina work <ul style="list-style-type: none"> • Abstract hand design using tonal pencil, patterns, texture and mark making • Art history and analysis • Development of final piece designs Final Piece <ul style="list-style-type: none"> • Artist inspired abstract design using oil pastels <ul style="list-style-type: none"> • Colour theory Homework <ul style="list-style-type: none"> • Artist research • Complete unfinished work
		<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>			

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Drama

SPRING TERM 1

TV GENRES

Exploring genres of TV and devising in specific styles

Communication
Characterisation
Comedy
Parody
Multirole
Stage space

SPRING TERM 2

KNEEHIGH THEATRE COMPANY

Exploring the methods of Kneehigh

Exploring script
Characterisation
Multirole
Puppetry
Storytelling

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Digital Literacy

Term 1	Term 2	Term 3
<p>Unit 1 User Interfaces Types of interface, GUI, text based, sensor, menu, form, how we interact with digital devices, types of digital device (iPad, smart phones, games consoles, smart home appliances, in car entertainment etc.) Design principles – Colour, layout, font type, information used, ease of use, navigational tools, white space. Storyboard designs, mood boards, project planning tools. Testing and creating. User feedback, development.</p> <p>Unit 2 – Introduction to Python Strings and variables, Numbers and arithmetic, Selection using lists, Algorithms and how to write them clearly, Loops (while and for), searching and Problem Solving.</p>	<p>Unit 3 Understanding Computers Elements of a computer, RAM, ROM, CPU, SSD, the CPU and <u>it</u> components, how it functions and processes commands. Introduce binary language, binary addition and practise. Storage devices - internal/external. Convergent and new technologies.</p> <p>Unit 4 – Spreadsheet Modelling Computer models and how predictions happen, Financial Models, What IF scenarios, Conditional Formatting, Validation of Data, Macros and automation, Assessment.</p>	<p>Digital skills – IDEA award (Bronze, Silver Level) – Utilising online platform to develop accuracy and speed for word processing, this is done through various practises, tests, games, and paragraph typing.</p>

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Music



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MUSIC



Year 9 – The Big Picture

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

Keyboard Skills

You will develop your keyboard skills using innovative technology, that enables you to learn pop songs without using traditional notation. You will develop your performance skills through regular performing opportunities.

Cover Versions

You will have the opportunity to create your own cover version of a pop song of your choice in groups, using a variety of different instruments. You will use your musical skills in order to make your piece innovative and original.

Dance Remix

You will assume the role of a music producer, tasked with creating a remix of a modern pop song. You will develop your music technology skills and learn a variety of different techniques enabling you to create an authentic and exciting remix.

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

Protest Songs

Through developing your songwriting skills, you will write a song on a theme that matters to you, and explore a number of songs that have been written over the years to raise awareness of important issues.

African Drumming

Another entirely practical topic, you will develop your percussion skills using authentic African instruments and whole-class performances, whilst broadening your knowledge of world music and its importance to millions of different people.

Film Music

You will assume the role of a film music composer, writing an original soundtrack for a short segment of a film using music technology. Along the way, you will learn about all the key techniques and terminology related to film music.

Year 9 Physical Education – Spring Term 2023

	Before Half Term (5 weeks 2 days)		After Half Term (6 weeks)	
Applying Tactics, Coaching and Officiating	Commencing 05.01.23	Change week beginning 23.01.23	Commencing 20.02.23	Change week beginning 13.03.23
Kobe/Murray	Outdoor & Adventurous Activities (Field)	Badminton (Sports Hall)	Football (MUGA)	Dance (South Hall)
Cook/Daley	Outdoor & Adventurous Activities (Field)	Dance (South Hall)	Basketball (Sports Hall)	Football (MUGA)
Dina/Kenny	Multi-Sports (South Hall)	Dance (South Hall)	Trampolining (North Gym)	Invasion Games Sports Education Model (Netball Courts/MUGA)
Scott/Storey	Dodgeball (South Gym)	Health & Fitness (MUGA)	Lacrosse (MUGA)	Trampolining (North Gym)
Corbin/Adams	Basketball (Sports Hall)	Health & Fitness (MUGA)	Table Tennis (North Hall)	Badminton (Sports Hall)
Max/Peaty	Lacrosse (MUGA)	Health & Fitness (MUGA)	Invasion Games Sports Education Model (South Gym)	Handball (MUGA)