



KEY STAGE 3
LONG TERM PLAN

WELCOME

At In Toto Ed our curriculum offer allows students to flourish and excel in subjects that interest them and they find enjoyable, through a balanced curriculum. Our personalised, and adaptive, curriculum offer allows students a way to learn that engages their interest and sparks their curiosity. Students are supported through their studies by staff who offer support in academic and pastoral mentoring sessions, allowing students to feel fully supported in all areas of their school experience.

We offer unique pathways for students to follow, which are personalised and tailored to their learning needs.

Please note that not all subjects are available in all schools.

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	Term 1		Term 2		Term 3	
	Still life & Cubism	Still life & Cubism	Still life	Ceramics / 3D modelling	Landscapes	Landscapes
Year 7	Key Artists Explored - Georges Braque - Pablo Picasso - Juan Gris	Key Artists Explored - Georges Braque - Pablo Picasso - Juan Gris	Key Artists Explored - Maxine Sutton - Henri Matisse	Key Artists Explored - Andy Goldsworthy - Betty Woodman	Key Artists Explored David Hockney	Key Artists Explored - Sheila Hicks - Diedrick Brackens
	Key Concepts - Observational Drawing - Shape and Form - Light & Shadow - Perspective - Reflection	Key Concepts - Observational Drawing - Colour - Colour theory - Experimenting with ways of adding colour - Artist Influence - Artist Response	Key Concepts - Textiles - Techniques - Textiles Artists - Using hand tools/Sewing machine - Embroidery	Key Concepts - Working 3 dimensionally - Being inspired by nature	Key Concepts - Landscapes - Observational Painting - Photography	Key Concepts - Textiles - Weaving - Texture and Pattern
	Skills Workshops that examine: - line - form - tone - texture - shape - composition - scale - structure - surface	Skills Workshops that examine: - Colour - Distortion - Colour blocking - Cubism	Skills Workshops that examine: - Stitched Artwork - Colour blocking - Collage - Textile representation - paintings and drawings	Skills Workshops that examine: - Nature as inspiration - Working 3-Dimensionally - Experimenting with 3D mediums - Tactile mediums - Texture - Sculpting	Skills Workshops that examine: - Light - Atmosphere - Depth - Colour	Skills Workshops that examine: - Colour - Texture - Pattern 2D-3D
	Key Activities - Drawing - Painting - Charcoal - Carbon paper - Work around the theme	Key Activities - Oil Pastels - Acrylics - Water colours - Colour Wheels/ Colour Theory/ Colour Mixing	Key Activities - Applique - Reverse applique - Using the sewing machine - Embroidery	Key activities - Clay - Modroc - Cardboard 2D-3D - Relief printing with seed pods/ leaves etc into clay	Key activities - Watercolour painting - Photography	Key activities - Making Cardboard Loom - Weaving with wool

	Term 1		Term 2		Term 3	
	Portraiture & identity	Identity & abstraction	Objects & identity	Objects & identity	Landscapes	Abstract landscapes
Year 8	Key Artists Explored Leonardo de Vinci	Key Artists Explored - David Hockney - Deb Weiers	Key Artists Explored - Frida Kahlo - Andy Warhol	Key Artists Explored Yinka Shonibare	Key Artists Explored - Claude Monet - Joseph Mallord - William Turner	Key Artists Explored - Vincent Van Gogh - Wassily Kandinsky
	Key Concepts - Observational Drawing - Symbolism of portraiture - Life drawing of the face - Shape and Form - Light & Shadow - Reflection	Key Concepts - Symbolism of portraiture - Photo Montage - collage	Key Concepts - Observational Drawing - Shape and Form - Light & Shadow - Representation in art	Key Concepts - Photography - Shape and Form - Light & Shadow - Representation in art	Key Concepts - Observational Drawing and painting - Shape and Form - Light & Shadow - Colour - Perspective - Reflection	Key Concepts - Abstract Drawing and painting - Shape and Form - Colour
	Skills Workshops that examine: - line - form - tone - contrast - shape - scale - surface - reflection	Skills Workshops that examine: - Collage - Composition - Representation	Skills Workshops that examine: - line - form - tone - texture - shape - composition - scale - structure - surface	Skills Workshops that examine: - composition - scale - structure - surface	Skills Workshops that examine: - composition - scale - structure - surface	Skills Workshops that examine: - line - form - tone - texture - shape - composition - scale - structure - surface
	Key Activities - Drawing the facial features - Photography - Carbon paper - Drawing with a mirror	Key Activities - Photography - Collage – key techniques to include: texture, reveal, replace, combine, outline, strips, symbols and shapes, painting & drawing over.	Key Activities - Drawing - Painting - Charcoal - Carbon paper - Assemblage - Collage - Photography - Colour Theory Recap	Key Activities - Assemblage - Photography - Painting - Papier Mache/ Modroc	Key Activities - Drawing - Painting	Key Activities - Drawing - Painting

	Term 1		Term 2		Term 3	
	Still life realism	Still life	Ceramics & representation	Identity	Photography, collage & printmaking	Photography, collage & printmaking
Year 9	Key Artists Explored Wayne Thiebaud	Key Artists Explored Giorgio Morandi	Key Artists Explored - Grayson Perry - Pablo Picasso	Key Artists Explored Jean Michel Basquiat	Key Artists Explored - Kurt Schwitters - Hannah Hoch	Key Artists Explored Pablo Picasso
	Key Concepts - Observational Drawing - Surface textures - Tonal Values - Shape and Form - Proportion - Scale - Perspective - Reflection	Key Concepts - Observational Drawing - Composition - Shape and Form - Light & Shadow - Perspective - Reflection	Key Concepts 2D-3D - Tactility of materials - Tell a story using a vase design 1: Personal story OR 2: Cultural commentary	Key Concepts - Expressionism - Identity - Colour - Mixed Media	Key Concepts - Collage - Photography - Dadaism - Surrealism	Key Concepts - Collage - Photography - Dadaism - Surrealism
	Skills Workshops that examine: - line - form - tone - texture - shape - composition - scale - structure - surface reflection	Skills Workshops that examine: - line - form - tone - texture - shape - composition - scale - structure - surface	Skills Workshops that examine: - Working 3-Dimensionally - Experimenting with 3D mediums - Tactile mediums - Texture - Sculpting - Form - Shape - Structure - Surface	Skills Workshops that examine: - line - form - tone - shape - composition - scale - positive/negative space	Skills Workshops that examine: - composition - tone - shape - repetition - layering - mixed media	Skills Workshops that examine: - composition - tone - shape - repetition - layering - mixed media
	Key Activities - Drawing 3D Shapes - Charcoal - Carbon paper - Oil pastels	Key Activities - Drawing - Painting - Photography - Colour theory recap	Key Activities - Clay - Modroc - Cardboard 2D-3D - Relief printing with objects	Key Activities - Painting - Oil Pastel - Spray Paint/ Stencilling	Key Activities - Photography - Photocopying - Repeat pattern - Print making: polystyrene block print making, lino cut print making, monotyping	Key Activities - Drawing - Painting - Charcoal - Carbon paper - Work around the theme

BIOLOGY

	Term 1		Term 2		Term 3	
Year 7	Movement	Cells	Interdependence	Plant reproduction	Variation	Human reproduction
	- Levels of organisations - The skeleton - Movement: joints and muscles	- Observing cells - Plant and animal cells - Specialise cells - Movement of substances	- Food chains and webs - Disruption to food chains and webs - Ecosystems - Competition	- Flowers and pollination - Fertilisation and germination - Seed dispersal	- Variation - Continuous and discontinuous variation - Adapting to change	- Adolescence - Reproductive systems - Fertilisation and implantation - Development of the fetus - The menstrual cycle
Year 8	Breathing	Digestion	Respiration	Photosynthesis	Evolution	Inheritance
	- Gas Exchange - Breathing - Drugs - Alcohol - Smoking	- Nutrients - Food tests - Diets - Digestive system - Bacteria and enzymes in digestion	- Aerobic respiration - Anaerobic respiration - Biotechnology	- Leaves - Investigating photosynthesis - Plant minerals	- Natural selection - Charles Darwin - Extinction - Preserving biodiversity	- Inheritance - DNA - Genetics - Genetic modification
Year 9	Cells and organisation	Cells and organisation	Cell division	Organisation and digestion	Organisation and digestion	Organising animals and plants
	- Eukaryotic Vs Prokaryotic Cells - Specialised cells - Microscopy RP	- Diffusion and osmosis - Active transport - Exchanging materials - Osmosis RP	- Growth and differentiation - Stem cells - Stem cell dilemmas	- Tissues and organs - Human digestive system - How digestion works - Chemistry of food RP	- Catalyst and enzymes - Factors affecting enzyme actions - Making digestion efficient	- The blood - The blood vessels - The heart

CHEMISTRY

	Term 1		Term 2		Term 3	
Year 7	Particle model	Separating mixtures	Acids and alkalis	Metals and non-metals	Earth structure	Universe
	- States of matter - Melting and freezing - Boiling - Diffusion - Gas pressure	- Pure substances and mixtures - Solutions - Solubility - Filtration - Evaporation and distillation - Chromatography	- Chemical reaction acids and alkalis - Indicators and pH - Acid strength - Neutralisation - Making salts	- Elements - Chemical reactions - Metals and acids - Metal and oxygen - Metals and water - Displacement reaction	- The structure of the Earth - Sedimentary rocks - Igneous and metamorphic rocks - The rock cycle - Ceramics	- The night sky - The solar system - The Earth - The moon and changing ideas
Year 8	Elements	Periodic table	Types of reaction	Chemical energy	Climate	Earth resources
	- Elements - Atoms - Compounds - Polymers	- The periodic table - Group 1 - Group 7 - Group 0	- Atoms in chemical reactions - Combustion - Thermal decomposition - Conservation of mass	- Exothermic and endothermic - Energy levels - Bond energies	- Global warming - The carbon cycle - Climate change	- Extracting metals - Recycling
Year 9	Atomic structure	History of the atom	Bonding	Structure and properties	Metals vs non-metals	RPs
	- Atoms - Elements - Chemical equations - Mixtures	- Plum pudding model - Development of the periodic table	- Electronic structure - Group 1 elements - Group 7 elements - Group 0 elements	- Formation of ions - Covalent structures - Simple molecular substances - Structure of carbon	- Polymers - Changing state - Separation techniques	- Distillation - Metals vs non metal reactions

COMPUTER SCIENCE

	Term 1		Term 2		Term 3	
Year 7	Digital literacy	Digital media	Networks	Scratch part 1	Spreadsheets and data	Solving problems
	Understanding how to stay safe online and to be able to search successfully	Creating, displaying and understanding formats of digital media	Understanding what networks are, how we use them and why they're important	Introduction to the basics of Scratch – Mini project.	How we use spreadsheets to hold data and basic function of Excel	Introduction to problem solving and using computational thinking
Year 8	Game design 1	Scratch part 2	Web developing	Building 3D worlds	App development	Virtual reality 1
	Introduction to basic game design and what features contribute to making a great game	Using code in Scratch to produce a moving race track including complex loops and selection statements	Creating a website using Wix to understand the basic of Web development	Using code to produce a 3D world using Minecraft Education resources	How apps are made, what software is needed, what code is used, how the layers of code come together to create an app	Learn how VR can be used for general fitness and make a game which helps users raise their heart rates
Year 9	Game design 2	Swift coding	Animation	Microbits	Virtual reality 2	Final IT project
	Using Scratch to produce a complex game with sound and moving characters	Use Swift coding to control virtual robots and other devices	Animation basics, creating a simple digital 2D animation project using Blender	Learn how to use Python to develop code to control Microbit cars	Build on prior knowledge with VR games to produce a 3D project/game	Choosing a topic or piece of software from prior learning to create a project with – eg. Excel – Database or iMovie – AV Production

DESIGN & TECHNOLOGY - COOKERY SKILLS

	Term 1		Term 2	Term 3
Year 7	Mini skills project		Super snacks	Where our food comes from?
	• Introduction to Food Technology • Developing basic food skills, peeling, chopping, grating, slicing • Using basic kitchen equipment including graters, knives, kettle, grill • Recipes include Fruit salad, Dippy Divers, Coleslaw • Pupils will complete an investigation into enzymic browning • Pupils will complete a knife skills proficiency test		• Pupils learn how to make healthy snacks • Introduction to the Eatwell plate • Pupils develop their skills to include weighing, baking • Recipes include potato wedges, vegetable soup, pitta pizzas • Pupils will investigate Dextrinisation/ rubbing in method • Pupils will study the effects of cooking food at the effects • Where foods should be stored	• Introduction to where our food comes from? • Pupils look at if food come from an animal or plant • Pupils are introduced to local and seasonal foods • Pupils make recipe that include Manchester tart, cress heads, mini quiche • Pupils will study and investigate food miles, sustainability and carbon foot print
Year 8	Healthy eating project		Foods from around the world	Foods symbols
	• Introduction to the 8 tips for Healthy Eating • In-depth look at the Eatwell Plate • Pupils build on their independence of using the hob • Recipes include cobbler, lentil and vegetable bake • Pupils will complete an investigation into gelatinisation • Pupils will study about micro and macro nutrients • Pupils will study Recommended Daily Intake, Basal Metabolic Rate and Physical Activity Level		• Introduction of recipes for foods around the world • Pupils will make food from around the world focusing on one a different country each week • Recipes include Pizza, American Cookies, Swedish Meatballs • Pupils will study the factors affecting food choice and research, plan and make a product • Pupils to research food miles, eggs, coagulation	• Introduction of important food symbols that pupils can see everyday • Pupil will make foods that linked to the symbols. • Recipes include Fairtrade banana flapjack, Sustainable fish chowder. • Pupils will investigate the different types of food manufacture • Pupils will study different commodities that link to food symbols
Year 9	Bread project	Cake project	Special diets	Party food project
	• Pupils will explore the ingredients to make bread • Pupils will make a variety of different bread including bread rolls, garlic Bread. • Pupils will investigate gluten and the process of dextrinisation.	• Pupils will explore the ingredients to make a cake • Pupils will make a variety of different cakes including Victoria sponge, brownies • Pupils will complete an investigation into raising agents and the process of caramelisation	• Pupils will look at range of special diets including vegetarian, vegan and gluten free • Pupils will explore specialist ingredients such as gluten free flour • Pupils will make recipes that include gluten free focaccia bread, vegetable Burgers • Pupils will research a special diet, then plan and make a two course meal for a person on a special diet.	• Pupils will look at different celebrations and foods served at these celebrations. • Pupils will explore foods served at birthdays, weddings etc. • Pupils will make a range of party foods which include sausage rolls, cupcakes, birthday cake etc. • Pupils will study HACCAP and safe storage of party foods • Pupils will study the different types of food poisoning and the effects.

	Term 1		Term 2		Term 3	
	Writing and grammar:		Assessed via task and detailed feedback – most tasks are to be handed written unless explicitly requested otherwise. Candidates must use vocabulary and sentence structures for clarity, purpose and effect, with accurate spelling and punctuation.			
Year 7	Autobiographical writing	Harry Potter	Poetry	World War Literature	Introduction to Shakespeare	Persuasive Writing
	Skills: introduction to autobiographical/ biographical writing, extracts of autobiographies, writing personal autobiography in form of diary entry	Skills: Reading whole text, reading literature for enjoyment, introduction to analysis (character/ language/ theme), comprehension	Skills: introduction to poetry and key vocab i.e.: rhyme/ rhythm/ stanza etc. Exploration of a range of forms of poems i.e. narrative/ haiku etc., creative task in writing own poetry	Text: Private Peaceful Skills: analysis of character/ setting etc., comprehension, social/ historical context.	Skills: Exploration of Social/ historical context, introduction to Shakespearean language, form and structure, extract based study of a range of plays, descriptive writing	Skills: introduction to persuasive writing, identifying persuasive writing techniques in a range of texts: speeches/ letters/ adverts. Writing own piece of persuasive writing including techniques, self/peer assessment.
Year 8	Dystopian Fiction	The Hunger Games	A Midsummer Night’s Dream	Animal Farm	Culture Poetry	Victorian Childhood: Non-fiction
	Skills: story boarding, narrative/ descriptive writing from a stimulus, analysis of literary extracts and film trailers Extracts: Divergent, 1984, The Hunger Games	Skills: Reading whole text, comprehension, character analysis, creative writing,	Skills: Revision of playwright, analysis of character, setting and language, drama, social/ historical context	Skills: social/ historical context, reading whole text, comprehension, analysis of character, setting, and language	Skills: analysing poetic techniques, language and structure (EXT). Introduction to new key terms: i.e. culture	Skills: persuasive writing, speaking and listening, social/ historical context, reading and
Year 9	Gothic Fiction / Coraline	Gothic Fiction / Coraline	The Tempest	Power & Control Poetry	Speeches that changed the world	Short stories
	Skills: Introduction to genre, comprehension, analysis of character, setting, theme. Links to similar texts. Descriptive writing.	Skills: Introduction to genre, comprehension, analysis of character, setting, theme. Links to similar texts. Descriptive writing.	Skills: Revision of playwright, analysis of character, setting and language, drama, social/ historical context	Skills: analysing poetic techniques, language and structure (EXT). Introduction to new key terms: i.e. culture, exploration of a range of forms of poems i.e. sonnet/ epic poem etc.	Skills: introduction to skills of rhetoric and persuasion. Analysis and exploration of a range of speeches from 18/19/20 century	Skills: short stories from culturally diverse authors. ‘The danger of a single story’. Exploring social/ historical context. Analysing structure of short stories, forming predictions

GEOGRAPHY

	Term 1		Term 2		Term 3	
Year 7	Map skills	Geology	Development	Weather and climate	World of work	The geography of the Middle East (ME)
	- Map making - Locational knowledge of the world - Map projections - OS maps - Grid references - Reading distances and directions on a map - Representing height on a map	- UK's main rocks - Influence of geology on UK Rock cycle - Weathering effect on rocks - Use of different types of rocks - Study Peak District - Limestone landscapes, caverns, Impact of quarrying - Can quarrying be more sustainable?	- What is development? How is it measured? - Human development index - Comparison with Democratic Republic of Congo - Causes of uneven development - How can bottom up/top down projects promote development?	- What is weather forecast? - Factors which affect climate - Why does it rain? - Air masses, high/ low pressure events and its influence on climate in UK - Climate graphs	- Classification of employment - Different structures around the world - Factors which influence location of different industries - Quaternary industries - Impact of different industries - Tourism and impact over time	- Identify where Middle East, human and physical features - What is climate in ME? - Population distribution in ME - How developed is ME? Factors which have influenced Yemen - Strategies to support development of Yemen - How is UK connected to ME?
Year 8	Rivers	Population	Coasts	Tectonics	Issues of urbanisation	The geography of Africa
	- Importance of rivers - Features of a drainage basin, how drainage basin works and causes of flooding within drainage basins - Features of a river's long profile	- Factors that influence population distribution - What is the population explosion? - Potential consequences of overpopulation	- Features of coastline - Waves -factors which influence and how waves shape land - Headlands and bays - Stack formation	- Structure of the Earth - Movement of Earth's crust and Earth's plates - Plate boundaries - Volcanoes - composite and shield	- Cities in UK - OS and GIS maps - Do cities in UK have common structure?	- Physical and human features - Distribution of population and factors influencing this - Historical factors - River Nile and dispute over its usage

GEOGRAPHY

	Term 1		Term 2		Term 3	
Year 8	- Erosion and transportation - How do waterfalls form? - What are the processes operating across meanders?	- Population structure change over time - Population pyramids - Strategies used to control population growth	- Longshore drift - Spits	- How can we measure, predict, protect and prepare for volcanic eruptions? - Positive and negative impacts of volcanoes		- Mount Nyiragongo, and it's important for the DRC - Causes and impact of 2002 eruption of Mount Nyiragongo
Year 9	Ecosystems	Climate change	Life in an emerging country	Glaciation	Energy	The geography of Russia
	- Major biomes of the world - location, features and how high/ low pressure systems influence them - Climate graphs to compare rain forests and deserts Amazon rain forest - structure, nutrient cycle and adaptation of animals and plants	- What evidence shows climate change? - Natural causes of climate change Greenhouse effect - How could climate change effect Bangladesh? - Future predictions and uncertainty - Humans adaptation to climate change	- Identify features of emerging countries - Employment structure and changes over time - China -what has led to its success - Advantages and disadvantages to TNCs in China - Rural and urban migration	- Glaciers - Formation of: corries, aretes, pyramidal peaks, glacial and troughs - Landforms formed by glacial deposits - Impact of glacial retreat - Opportunities associated with glacial landscapes	- Global distribution of energy use and production - Energy security and poverty - UK energy changes over time - Advantages and disadvantages of non-renewable and renewables - Wind Turbines - Fracking	- Russia -human and physical features - Population distribution - Biomes distribution and climate influence - Taiga Forests - plant and animal adaptation and threats to Taiga forests - Mineral extraction in the Tundra

HISTORY

	Term 1		Term 2		Term 3	
Year 7	Unit 1: The Norman Conquest	Unit 2: Medieval Women	Unit 3: The Crusades	Unit 4: The Black Death & Silk Road	Unit 5: The Renaissance	Unit 6: Henry VIII
	How do we know about the impact?	What does the treatment of Matilda tell us about Medieval women?	What they were and their importance.	How connected was the medieval world?	What was it? Why did it happen?	Who was he?
Year 8	Unit 1: Elizabeth 1	Unit 2: European Conquest of America	Unit 3: The British Empire	Unit 4: Transatlantic Slavery	Unit 5: The Enlightenment	Unit 6: The French Revolution
	Who was she?	What impact did this have on the modern world?	Why did it grow?	How were West African societies impacted?	What was the enlightenment?	What were the causes and impact?
Year 9	Unit 1: The Industrial Revolution	Unit 2: Women's Suffrage	Unit 3: World War 1	Unit 4: World War II	Unit 5: What was the Holocaust?	Unit 6: Decolonisation
	How do we know about the impact?	Why did it take so long to get the vote?	What were the causes and impact?	What were the causes and impact?	What were the causes and impact?	Who decolonised the 20th century?

	Term 1		Term 2		Term 3	
Year 7	Factors and Multiples Sequences Perimeter and Area	Negative Numbers Averages Equivalent Fractions Algebraic Expressions	Angles Decimals Linear Graphs	Percentages 3D Shapes Introduction to Probability	Ratio, Proportion and Rates of Change Symmetry Solving Equations	Using Data Pencil and Paper Calculations Transformations Working with Numbers
	- Factors and Highest common factors - Multiples and Common Multiples - Prime Factors - Sequences and Rules - Working out missing terms - Other Sequences - Finding the Nth Term - Perimeter and Area of a rectangle - Compound Shapes - Area of a triangle - Area of a parallelogram - Area of a trapezium	- The number line - Arithmetic with negative numbers - Subtraction with negative numbers - Multiplication with negative numbers - Division with negative numbers - Mode, median and range - The mean - Statistical diagrams - Equivalent fractions - Adding and subtracting fractions - Mixed numbers and improper fractions - Adding and subtracting mixed numbers - Order of operations - Expressions and substitution - Simplifying expressions - Using formulae	- Calculating angles - Angles in a triangle - Angles in a quadrilateral - Angles within parallel lines - Constructions - Rounding numbers - Multiplying and dividing by powers of 10 - Putting decimals in order - Estimates - Adding and subtracting decimals - Multiplying and dividing decimals - Coordinates - Graphs from formulae - Graphs of $x=a$, $y=b$, $y=x$ and $y=-x$ - Graphs of the form $x+y=a$ - Conversion graphs	- Fractions, decimals and percentages - Fractions of a quantity - Percentages of quantities - Percentages with a calculator - Naming and drawing 3D shapes - Using nets to construct 3D shapes - Volume of a cuboid - Surface area of a cuboid - Probability words - Probability scales - Experimental probability	- Introduction to ratio - Simplifying ratios - Ratios and sharing - Ratios in every day life - Reflection symmetry - Rotation symmetry - Properties of triangles and quadrilaterals - Finding unknown numbers - Solving equations - Solving more complex equations - Setting up and solving equations	- Interpreting pie charts - Drawing pie charts - Grouped frequencies - Continuous data - Short and long term multiplication - Short and long division - Calculations with measurements - Multiplication with large and small numbers - Division with large and small numbers - Reflections - Rotations - Translations - Tessellations - Powers and roots - Powers of 10 - Rounding large numbers - Significant figures - Large numbers in standard form

	Term 1		Term 2		Term 3	
Year 8	Percentage Changes Graphs Correlation Congruence and Scaling	Manipulating Algebraic Expressions Working with Fractions Circles Finding Probabilities	Equations and Formulae Proportion Applications of Graphs Comparing Sets of Data	Percentage Changes Polygons Expressions and Equations	Prisms and Cylinders Compound Units Solving Equations Graphically Pythagoras' Theorem	Working with Decimals Manipulating Brackets Trigonometric Ratios
	- Percentage increases and decreases - Using a multiplier - Calculating a percentage change - Graphs from linear equations - Gradient of a straight line - Graphs from quadratic equations - Scatter graphs and correlation - Creating scatter graphs - Congruent shapes - Enlargements - Shape and ratio scales	- Algebraic Notation - Like terms - Expanding brackets - Using index notation - Adding and subtracting fractions - Multiplying fractions - Multiplying mixed numbers - Dividing fractions - Parts of a circle - Formula for the circumference of a circle - Formula for the area of a circle - Using probability scales - Mutually exclusive outcomes - Using sample spaces to calculate probabilities.	- Equations without brackets - Equations with variables on both sides - More complex equations - Rearranging formulae - Direct proportion - Graphs and direct proportion - Inverse proportion - Comparing direct and inverse proportion - Step graphs - Distance-time graphs - More time graphs - Graphs showing growth - Grouped frequency tables - Drawing frequency diagrams - Comparing data - Which average to use	- Simple interest - Percentage increases and decreases - Calculating the original value - Using percentages - Angles in polygons - Constructions - Angles in regular polygons - Regular polygons and tessellations - Multiplying out brackets - Factorising algebraic expressions - Equations with brackets - Equations with fractions	- Metric units for area and volume - Volume of a prism - Surface area of a prism - Volume of a cylinder - Surface area of a cylinder - Speed - More about proportion - Unit costs - Graphs from equations of the form $ax \pm by = c$ - Graphs from quadratic equations - Solving quadratic equations by drawing graphs - Calculating the length of the hypotenuse - Calculating the length of a shorter side - Using Pythagoras' Theorem to solve problems	- Negative powers of 10 - Standard form - Rounding appropriately - Mental calculations - Solving problems - More about brackets - Factorising expressions containing powers - Expanding the product of two brackets - Expanding expressions with more than two brackets - Finding trigonometric ratios of angles - Using trigonometric ratios to find the sizes of angles - Using trigonometric ratios to find lengths

	Term 1		Term 2		Term 3	
Year 9	Basic Number Geometry and Measures: Measures and Scale Drawings	Statistics: Charts, Tables and Averages Geometry and Measures: Angles Number: Number Properties	Number: Number Properties Number: Approximations Number: Decimals and Fractions	Number: Decimals and Fractions Algebra: Linear Graphs	Algebra: Linear Graphs Algebra: Expressions and Formulae	Algebra: Expressions and Formulae Ratio and Proportion and Rates of Change: Ratio, speed and proportion
	- Place value and ordering numbers - The four rules - Order of operations and BIDMAS - Systems of measurement - Conversion factors - Scale drawings - Nets - Using an isometric grid	- Frequency tables - Statistical diagrams - Line graphs - Statistical averages - Angles facts - Triangles - Angles in a polygon - Regular polygons - Angles in parallel lines - Special quadrilaterals - Bearings - Multiples of whole numbers - Factors of whole numbers - Prime numbers	- Prime factors, LCM and HCF - Square numbers - Square roots - Basic calculations on a calculator - Rounding whole numbers - Rounding decimals - Approximating calculations - Calculating with decimals	- Fractions and reciprocals - Writing one quantity as a fraction of another - Adding and subtracting fractions - Multiplying and dividing fractions - Fractions on a calculator - Graphs and equations - Drawing linear graphs by finding points - Gradient of a line $Y=mx+c$ - Finding the equation of a line from its graph - The equation of a parallel line - Real-life uses of graphs	- Solving simultaneous equations using graphs - Basic algebra - Substitution - Expanding brackets - Factorisation	- Quadratic expansion - Quadratic factorisation - Changing the subject of a formula - Ratio - Speed, distance and time - Direct proportion problems - Best buys

MUSIC

	Term 1		Term 2		Term 3	
Year 7	Elements of Music	Fundamental drum grooves	Keyboard skills	Four chords	Structure of pop music	Classroom band
	Students will explore the Elements of Music and how music is constructed. They will learn about pitch, rhythm, tone, timbre, structure, harmony, melody, texture, and dynamics.	Students will explore the different parts of the drum kit, and five of the most important drum patterns in popular music. Students will learn how to identify these patterns by ear.	Students will learn fundamental keyboard skills to help them understand the construction of melody. Students will be able to identify all the notes on a keyboard.	Students will learn all about chords and their role in a piece of music. Students will learn how to construct and play simple triads and the difference between major and minor chords.	Students will learn all about the different sections in a song structure. Students will learn how to play a complete pop song.	Students gain an understanding of different instruments and how to play them in an ensemble. Students will work together to perform a popular music piece.
Year 8	Hooks, riffs, and Rock n Roll	Blues	Samba	Reggae	Music production and EDM	
	Students will develop an understanding of the historical context of Rock. Students will develop an understanding of major and minor scales.	Students will develop an understanding of the historical context of blues. Students will use musical vocabulary to identify key features including the 12 bar Blues chord sequence and the Blues Scale.	Students will develop an understanding of the historical context of Samba and be introduced to syncopated rhythms through a practical study of Samba music.	Students will learn about the background to Reggae music, the cultural importance of Reggae and what influenced the style. They will develop a greater understanding of the key features and artists from Reggae Music.	Students will be introduced to music sequencing software (Logic Pro) and the key functions needed to create electronic dance music. Over the term students will continually create an EDM track	
Year 9	Jazz	Song writing	Film music		Band skills and next steps	
	Students will develop an understanding of the historical context of jazz. Students will use musical vocabulary to identify key features including swing and Improvisation	Students will explore a range of Popular songs through listening activities. They will analyse and break down the construction of how the songs were created and designed. Students will also be given the opportunity to compose lyrics.	Students will develop an understanding of how music for film developed. They will explore sound FX and how composers create mood for film. Students will also learn about some of the leading film composers. Students will use Logic Pro to import a film clip and compose for the moving image.		Students will develop their understanding of "band" instruments but focusing on one in particular. They will develop their understanding of tab, chord charts and chord diagrams suitable to their instrument. They will identify how relationships work within a band setting and how showmanship is a key factor. Students will identify key techniques within Popular Music performances throughout time evaluating the effectiveness of the performance. Students will also discuss their next steps regarding music.	

Year 7	Term 1		Term 2		Term 3	
	Football	Badminton	Basketball	Gymnastics	Rounders	Athletics
	Passing and receiving the ball between two points using preferred foot; Shooting, dribbling and changing direction; use of space	Develop the basic grip, forehand and backhand technique; Introduction to serve; Correct body position; Linking skills; Keep the shuttle under control using a racket	Use and apply attacking and defensive techniques such as drive and block; Layup, jump shot, and rebound from different positions	To be able to perform a range of balance and travel movements in isolation and in sequences. To know how sequences can be developed using both floor and apparatus, including safety principles. To understand the concepts of stretching and curling, matching and mirroring and speed change.	Develop the basic batting, bowling, catching waist height technique; develop the short barrier fielding technique; underarm and overarm throw	Maintain running speed at a steady rate for a prolonged period of time. Basic Running techniques Low to High start - Sprinting and Throwing
			Volleyball	Trampolining	Cricket	Tennis
			Develop and refine hand-eye coordination; develop basic principles for the 'dig' and 'set' passes in Volleyball; Linking skills - footwork and ready position; underarm serve; develop the technique of the 'set' pass	Jumping on the cross to gain height and stability, stopping absorbing the bounce of the trampoline through the bend of the knees, vision on end of mat or wall spot throughout. Shaped Jumps -tuck, straddle and pike, with extension of limbs Landing in straight position after flight, with arms extended above head.	Develop the long barrier fielding technique; correct body position, movement into position and position of hands; Decision making Catching and throwing, accuracy and resilience	Develop the basic technique of a forehand and backhand stroke, of a volley; Introduction to serve; Correct body position; Linking skills; Keep the ball under control using a racket

Year 8	Term 1		Term 2		Term 3	
	Football	Badminton	Basketball	Gymnastics	Rounders	Athletics
	Passing and receiving the ball between two points using both feet; Shooting, dribbling and changing direction with accuracy; use of space	Develop basic forehand and backhand net shot and underarm lift serve; Introduction to rallying; Correct body position; Linking skills; shuttle and racket control Tag	Use and apply different attacking and defensive techniques such as drive and block; Layup, jump shot, and rebound from different positions	To be able to use a range of apparatus to obtain flight safely and effectively. To know how sequences can be developed in pairs using floor and apparatus. To understand the concepts of twisting and turning, symmetry and asymmetry, and unison and canon.	Develop the basic batting, bowling, catching above head height technique; develop the short barrier fielding Technique; underarm and overarm throw	Maintain running speed at a steady rate for a prolonged period of time. Running techniques; Sprinting and Throwing
			Volleyball	Trampolining	Cricket	Tennis
			Develop the basic principles for the dig and set passes in Linking skills - footwork and ready position; underarm serve; develop the 'volley' or 'set' technique	Basic Shapes: straddle, tuck, pike and star. Replication of core skills. Seat landing, front landing, back landing. Development of aesthetics, control and body management skills. Developing sequences/ movement patterns. Development of peer/self-assessment.	Develop the long barrier fielding technique; correct bodyposition, movement into position and position of hands; Decision making Catching and throwing, accuracy and resilience	Develop the basic technique of a forehand and backhand stroke, of a volley; Serve - arm action and ball toss; Correct body position; Linking skills; ball and racket control

Year 9	Term 1		Term 2		Term 3	
	Football	Badminton	Basketball	Gymnastics	Rounders	Athletics
	Passing and receiving the ball across a range of distances using preferred foot; Shooting, dribbling and changing direction; use of space; Use of volleys and sharp turning of the ball; practice defensive skills, manoeuvres and parts of the body to control the ball	Refine forehand and backhand net shot and underarm lift; attacking and drop shots; Development of serve and body positioning; Linking skills; Hitting techniques; Refine footwork, including the ready position Tag	Use and apply different attacking and defensive techniques such as drive and block; Layup, jump shot, and rebound from different positions	To be able pairs and group balances. To be able to construct a simple RG sequence. To know that gymnastics includes the disciplines of Acrobatic Gymnastics and RG. To understand the principles of counter tension and counterbalance and the principles behind the construction of RG sequences	Develop the basic batting, bowling, catching below waist height technique; develop the short barrier fielding technique; underarm and overarm throw	Maintain running speed at a steady rate for a prolonged period of time. Running techniques; Sprinting and Throwing
Year 9			Volleyball	Trampolining	Cricket	Tennis
			Volleyball Develop the basic principles for the dig and set passes in Linking skills - footwork and ready position; underarm serve; Adapting technique to change direction of the pass	Replication of core skills. Development of aesthetics, control and body management skills. Developing sequences/ movement patterns. Development of peer/self-assessment	Develop the long barrier fielding technique; correct body position, movement into position and position of hands; Decision making Catching one handed, underarm and overhead; accuracy aiming for targets and resilience	Refine forehand and backhand stroke and volley; Development of serve and body positioning; Linking skills; Racket and ball familiarisation; Refine footwork, including the ready position and split step

PHYSICS

	Term 1		Term 2		Term 3	
Year 7	Speed	Potential difference	Energy costs	Energy transfer	Sound	Light
	• Introduction to forces • Balances and unbalances forces • Speed and distance	• Resistance • Series and parallel circuits • Current • Charging up	• Food and fuels • Energy resources • Energy and power	• Energy adds up • Energy dissipation • Conservation of energy	• Sound waves and speed • Loudness and amplitude • Frequency and pitch • The ear	• Light • Reflection • Refraction • The eye and vision • Colour
Year 8	Forces	Magnetism	Electromagnets	Energy	Wave effects	Wave properties
	• Friction, squashing, stretching • Pressure in solids, liquids and gas • Turning forces	• Magnets and magnetic fields • Magnetism project	• Electromagnets • Using electromagnets	• Work, energy and machines • Energy and temperature • Energy transfer: particles, radiation and insulation	• Sound waves • Water waves • Energy in waves • Radiation and energy	• Modelling waves • Waves practical
Year 9	Energy stores and systems	Specific heat capacity	Energy resources	Electricity	Circuits	Electricity in the home
	• Conservation of energy • Kinetic and potential energy stores • Energy transfer	• SHC RP • Power • Reducing unwanted energy transfers	• Wind, solar and geothermal • Hydro-electricity • Waves and tides • Biofuels and non-renewables	• Current and circuit symbols • Resistance and $V=IR$ • Investigating resistance	• I-V Circuits • Circuit devices • Series circuits • Parallel circuits • Investigating circuits	• Power of electrical appliances • More on power • National grid

	Term 1		Term 2		Term 3	
	Health & Wellbeing	Living in the wider world	Relationships	Health & Wellbeing	Relationships	Living in the wider world
Year 7	Transition and safety	Developing skills and aspirations	Diversity	Health at puberty	Building relationships	Financial decision making
	Transition to secondary school and personal safety in and outside school, including first aid	Careers, teamwork and enterprise skills, and raising aspirations	Diversity, prejudice, and bullying	Healthy routines, influences on health, puberty, unwanted contact, and FGM	Self-worth, romance and friendships (including online) and relationship boundaries	Saving, borrowing, budgeting and making financial choices
Year 8	Drugs and alcohol	Community and careers	Discrimination	Emotional wellbeing	Identity and relationships	Digital literacy
	Alcohol and drug misuse and pressures relating to drug use	Equality of opportunity in careers and life choices, and different types and patterns of work	Discrimination in all its forms, including: racism, religious discrimination, disability, discrimination, sexism, homophobia, biphobia and transphobia	Mental health and emotional wellbeing, including body image and coping strategies	Gender identity, sexual orientation, consent, 'sexting', and an introduction to contraception	Online safety, digital literacy, media reliability, and gambling hooks
Year 9	Peer influence, substance use and gangs	Setting goals	Respectful relationships	Healthy lifestyle	Intimate relationships	Employability skills
	Healthy and unhealthy friendships, assertiveness, substance misuse, and gang exploitation	Learning strengths, career options and goal setting as part of the GCSE options process	Families and parenting, healthy relationships, conflict resolution, and relationship changes	Diet, exercise, lifestyle balance and healthy choices, and first aid	Relationships and sex education including consent, contraception, the risks of STIs, and attitudes to pornography	Employability and online presence

RELIGIOUS STUDIES

	Term 1		Term 2		Term 3	
Year 7	Introduction to RE and religious festivals	Religious festivals	Introduction to Christianity	Introduction to Christianity continued	World Religions	An introduction to Sikhism
Year 8	An introduction to Hinduism and Buddhism	Introduction to Islam	Introduction to Judaism	Religion, peace and conflict	Religion and Philosophy	Religion and the afterlife
Year 9	Alternative religions	Religion and human rights	Religion, science and Ethics	Religion, science and Ethics	Types of Christianity	Types of Christianity Continued



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