

PHS Curriculum Map for Year 8

Subject	Autumn Term	Spring Term	Summer Term
English	<p>Transition - writing to inform, explain and describe. Pupils will produce individual non-fictional, information texts.</p> <p>Spelling, punctuation and grammar – to improve literacy skills using CGP Literacy Strategy workbooks</p> <p>Reading age and spelling age assessment</p> <p>Continuous teacher assessment</p>	<p>Writing to argue and persuade – identifying tools in language and developing writing techniques in non-literary texts</p> <p>Literary texts: prose – Oliver Twist by Charles Dickens. Pupils will read key chapters, develop their reading skills and understanding of writer’s methods</p> <p>Continuous teacher assessment</p>	<p>Literary texts cntd: play – Romeo and Juliet by William Shakespeare. Pupils will study the play and focus on key scenes</p> <p>Literary texts cntd: poetry – pupils will study a selection of 8 poems featuring characters and voices and different cultures</p> <p>Speaking, listening and communication skills</p> <p>Continuous teacher assessment</p> <p>End of year reading age and spelling age assessment</p> <p>End of year Reading, Writing and SLC class based exam</p>
Subject	Autumn Term	Spring Term	Summer Term
Maths	<p>Initial assessment to determine current N/C Levels.</p> <p>Key topics to be taught:</p> <p>Calculations – Priority of estimations</p> <p>Shapes and Measures- Names of shapes including polygons, tessellations and congruence.</p>	<p>Key topics to be taught:</p> <p>Expressions and Equations</p> <p>Decimals- Complex decimals and problem solving.</p> <p>Angles and Constructions- Replay, parallel lines, polygons and bearings.</p>	<p>Key topics to be taught:</p> <p>Sequences-</p> <p>Fractions and Percentages – Ordering fractions, calculating simple percentages, conversion of fractions and percentages.</p> <p>Probability- Working out probability and</p>

	<p>Statistics – Tables and Charts</p> <p>Assessments: Assessments at the end of each module and also at end of term.</p> <p>Level 4c – 6b National Curriculum content.</p>	<p>Number Properties</p> <p>Assessments: Assessments at the end of each module and also at end of term.</p> <p>Level 3a – 6c National Curriculum content.</p>	<p>probability diagrams.</p> <p>Ratio- Changing sizes, Proportion and Maps and scales.</p> <p>Assessments: Assessments at the end of each module and also at end of term.</p> <p>Additional end of year test to determine N/C level and content for next academic year.</p> <p>Level 4a – 5a National Curriculum content.</p>
Subject	Autumn Term	Spring Term	Summer Term
Science	<p>Elements Elements. Symbols. Periodic Table. Properties of Metals/Non-metals End of topic assessment</p> <p>Digestion and Food Why do we eat? Food tests. The digestive system. Action of enzymes. End of topic assessment</p> <p>Energy Types of Energy. Energy Transfers. Energy from food.</p> <p>Solutions and Separating Mixtures Mixtures. Purifying rock salt. Distillation. Chromatography Saturated solutions Factors affecting solubility Dissolving,</p>	<p>Light Making Pictures. Travelling light. Cameras and eyes. Mirrors and reflections. Lenses. Colour & light. Shadows and Light Absorbency of Materials APP tasks</p> <p>Ski Week. Crime Scene Investigations. Making Compounds Review Elements, Atoms, Molecules & Compounds. Making Compounds. Decomposition of compounds. Word equations. Mixtures. End of topic assessment</p> <p>Respiration Cell respiration. The Heart and circulatory system. The Lungs and</p>	<p>Heating & Cooling What is temperature? Heat Flow. Conduction; metal rods practical, action of heat on metals and water. Convection. Radiation.</p> <p>Microbes High School Transition Unit What are microbes? Yeast. Which diseases are caused by microbes and how are they spread? How have scientists in the past investigated microbes? How does the body stop diseases being spread? How does immunisation work? How do antibiotics work? Visit to Newcastle University Microbiology department.</p> <p>Extinction & Food Pyramids Animal extinction e.g. Dodos and dinosaurs Prehistoric plants. Factors which affect populations. Food pyramids.</p>

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	practical APP task End of topic assessment	Breathing System. Aerobic/anaerobic respiration. APP task; how exercise affects our bodies.	
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ICT	How a Computer Works/Computing History How Does the Internet Work? Networks	Introduction to Computer Programming with Scratch	Relational Databases Spreadsheet Functions
Subject	Autumn Term	Spring Term	Summer Term
Technology	<p>Design and Technology Steady Hand Game Project Thyristor latching circuit Construction in wood Graphics Research into charity work</p> <p>Food Technology You are developing a collection of recipes for meals you could serve to yourself, your friends and your family. Design, make, and evaluate dishes suitable for serving to a group as a part of a main meal.</p>	<p>Resistant Materials</p> <p>Night Light Working with light dependent resistors to produce a light sensing circuit. Working with complex soldering techniques Design using a targeted brief</p> <p>Cutlery Project Working with metal and wood Understanding different metal shaping and forming techniques Learning how to shape wood decoratively Using precise measuring and marking techniques</p> <p>Food - Meal Appeal You are continuing to develop a collection of recipes for meals you could serve to yourself, your friends and your family.</p>	<p>Vehicle challenge</p> <p>Graphics</p> <p>Electronics and working with forces</p> <p>Summer Food</p>

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Geography	Eco Systems World Biomes Biomes Vegetation types Soils and their processes Ecosystem cycles and the Human Effect Deforestation and conservation Sustainable Development in Forests	Population and settlement Population Distribution Population Density Population growth Population structures Migration Settlement site and situation The settlement hierarchy The function of Settlements Urban Land use	Contrasting Countries Brazil – Physical geography Brazil- Population Brazil- Farming and Industry Brazil- Rio de Janeiro France- Physical geography France- Population France- Farming and Industry France- Paris

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History	<p>French Revolution</p> <p>Impact of the Revolution.</p> <p>Assessment: How much did the French Revolution change France?</p> <p>Origins of Empire- beginnings</p> <p>Emigration and empire</p> <p>Impact of Empire.</p> <p>Assessment: A story of an emigrant.</p>	<p>Slave Trade and Abolition.</p> <p>Assessment: Why was the slave trade abolished?</p> <p>Local Study- Impact of industrial revolution including political unrest.</p> <p>Assessment: Evidence-child workers in the industrial revolution.</p>	<p>Women’s Suffrage</p> <p>Assessment Why did women get the vote in 1918?</p> <p>World War One.</p> <p>A soldier’s experience?</p> <p>How should we remember WWI?</p> <p>Assessment: Entry level unit</p>
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Art	<p>DIFFERENT CULTURES</p> <p>Students will have the opportunity to work with textile materials and learn sewing skills using different threads and stitches.</p> <p>Students will learn the running stitch, the continuous line stitch, the cross stitch and the L– stitch.</p> <p>Students will use their colour theory knowledge and what they’ve learned of packaging to create a bright, bold, coloured piece of work.</p> <p>They will also have the opportunity to learn about work and packaging from other countries and cultures. They will learn how to make a 3D piece of packaging.</p>	<p>PORTRAITS</p> <p>Students will have the opportunity to learn, in detail, how to draw portraits both technically and skilfully..</p> <p>Pupils will learn a new way of drawing, by breaking up the image into a grid and copying one square at a time.</p> <p>Research Chuck Close and look at his work.</p> <p>Students will have the opportunity to develop their skills and knowledge of making colours using only the primary colours, black and white.</p>	<p>INVENTIONS</p> <p>This unit is deigned to further develop observational drawing skills and to extend students’ experience of materials and processes.</p> <p>Students learn to draw from life and secondary sources,</p> <p>Students will learn about the importance of creativity in design, develop strong visual and communication skills together with the composition and presentation.</p>

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PHSE	<p>Setting goals and targets – pupils will look at personal skills, setting and achieving targets.</p> <p>Study and Learning skills – pupils will learn how to carry out independent study and explore individual and group learning skills</p> <p>End of term topics assessment</p>	<p>Healthy lifestyles - focusing on food, devising healthy meals, shopping for ingredients and preparing meals in Food Tech</p> <p>Alcohol awareness – knowing the facts around alcohol and dealing with peer pressure</p> <p>End of term topics assessment</p>	<p>Citizenship - diversity and inclusion. Pupils will study racism, ethnic minorities, homophobia, prejudism and ask the question. Does everyone have equal rights?</p> <p>Sex and Relationships – Knowing the score</p> <p>End of year assessment –</p> <p>1 written paper, 1 reading paper.</p> <p>5 minute presentation on a chosen topic for SLC</p>
Subject	Autumn Term	Spring Term	Summer Term
RE	<p>Judaism and Buddhism</p> <p>A life for a life?</p> <p>Does suffering have a point?</p>	<p>Judaism and Buddhism</p> <p>Is it ever right to fight?</p> <p>What’s the secret of a happy life?</p>	<p>Judaism and Buddhism</p> <p>Where does the universe come from?</p> <p>Do animals have rights?</p>
Subject	Autumn Term	Spring Term	Summer Term
PE	<p>Skiing – Improve Balance Coordination, Learning New Skill</p> <p>Basketball – Teamwork Defensive and attacking strategies – Full court</p> <p>Football – Positional play, teamwork, team</p>	<p>Climbing – overcome personal challenges, confidence, problem solving.</p> <p>Badminton – Hand eye coordination, positional play</p> <p>Multi sports events – basketball,</p>	<p>Mountain biking – cardio vascular Outdoor pursuits</p> <p>Athletics – Teamwork , personal target setting , cardio vascular, track and field events</p>

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	tactics Swimming - coordination, stamina, Improving technique	Assault course – Team tactics Swimming - coordination, stamina, Improving technique	Adventurous activities - High Ropes, Tubing, assault course- Teamwork, overcoming personal challenges, target setting. Swimming - coordination, stamina, Improving technique
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