

Year 7 curriculum learning points

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Art	Explore & explain the 7 key visual elements (Line, Shape, Tone, Colour, Texture, Form & Pattern)	Describe & explore the methods behind creating an abstract composition using mixed medias	To create geometric inspired patterns to influence a print design. Explore & Explain printing techniques (collagraph & Lino)		Explain variations in artifacts (masks) from different cultures. Explore & Explain clay building techniques (slabbing)	
Geography	Describe Coasts and OS maps	Describe the water cycle. Discuss weather.	Describe the effects of population growth and the causes of migration	Discuss climate change. Identify solutions to environmental issues.		Describe the human and physical geography of Africa
Spanish	Describe basic personal details	Describe physical appearance	Describe where you live	Describe personality and relationships	Describe pets	Give opinions on school subjects
French	Describe basic personal details	Describe physical appearance	Describe where you live	Describe personality and relationships	Describe pets	Give opinions on school subjects
German	Describe basic personal details	Give opinions on school subjects	Describe school uniform and colours	Describe family members and pets	Describe appearance and personality	Give opinions on hobbies
History	What does it mean to be an historian? Describing chronology / types of evidence / interpretations. Describe and explain life in Anglo-Saxon England: reasons for migration / social structure / elements of general life.	How and why did the Norman Conquest happen? Describe and explain why the Battle of Hastings happened and how William was able to take control of England.	How was power challenged in the Medieval period? Describe and explain the story of Thomas Becket and the Magna Carta.	How was power challenged in the Medieval period? Describe and explain the events and impact of the Black Death and the Peasants' Revolt.	How did knowledge of the wider world change in the Tudor period? Describe and explain developments in the Tudor world – changes in religion, diversity, power, and beliefs across the Tudor period.	

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English	Create a piece of descriptive writing, applying literary techniques and narrative structure based on analysis of literature over time.	Read the novel 'October October' and understand how the writer presents setting.	Introduction to Shakespeare's tragic heroes.	To understand the context of the Victorian era and write a persuasive article.	Read the novel 'Ruby in the Smoke' and understand how the writer uses setting to create meaning.	Understand poetry terminology, and understand how poets use poetic methods to create meaning.
Maths	To be able to describe sequences, and understand algebraic notation, equality, and equivalence	To understand place value, and how to order integers. To be able to convert between decimals, fractions, and percentages	To be able to solve problems with addition and subtraction, and multiplication. To be able to do calculations with directed numbers	To be able to solve simple equations To be able to add and subtract with fractions	To be able to measure lines and angles and carry out some constructions To be able to use angle facts to solve problems	To understand what sets are and to calculate some probabilities To be able to identify prime numbers and solve problems involving HCF and LCM
Biology	Understand variables, tables, and graphs. Explain how to use a microscope.	Describe animal, plant cells and specialised cells. Explain unicellular organisms.	Describe cells, tissues, organs, and organ systems. Explain the respiratory system.	Describe the skeletal and muscular systems.	Explain reproduction in plants.	Explain reproduction in animals.
Chemistry	Explain the particle model. Explain the basic idea of changes of state.	Explain diffusion and gas pressure. Introduction to elements and compounds.	Discuss the periodic table and chemical formulae. Explain different types of reactions inc. exothermic and endothermic.	Describe thermal decomposition reactions. Introduction to acids and alkalis. Practical skills.	Explain the use of indicators and pH and neutralisation. Develop practical skills	Explain how to make salts. Understand how to write a scientific method.
Physics	Interpret circuits. Investigate different types of circuits.	Explain what an electromagnet is.	Investigate different types of energy stores.	Explain what renewable and renewable energy resources are.	Explain reflection and refraction.	Explain the similarities and differences between

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		Investigate factors affecting the strength of an electromagnet.	Describe how thermal energy is transferred by conduction, convection and radiation.	Describe hoe electricity is generated from renewable and non-renewable energy resources.		a camera and the eye.
PE	Be able to demonstrate basic skills in isolation across different sports. Be able to accurately replicate a pattern of movement showing fluency and control	Be able to demonstrate basic skills in isolation across different sports. Be able to identify the short and long term effects of exercise on the body. Be able to accurately replicate a pattern of movement showing fluency and control	Be able to demonstrate basic skills in isolation across different sports. Be able to accurately replicate a pattern of movement showing fluency and control	Be able to demonstrate basic skills in isolation across different sports. Be able to accurately replicate a pattern of movement showing fluency and control	Be able to demonstrate basic skills in isolation across different sports. Be able to accurately replicate a pattern of movement showing fluency and control. To apply techniques to specific competitive situations.	
Religion and World views	<p><u>What is the difference between a religious & secular view on the purpose of life?</u></p> <p>Students will be able to compare the similarities and differences between a religious and humanist world view and apply this knowledge to ethical questions.</p> <p><u>Where does belief come from?</u></p> <p>Students need to understand a range of sources of authority from religious and non-religious worldview perspectives. Students will then consider how such sources provide moral guidance and help people to live good lives.</p>					
Character and Culture	Explain what the protected characteristics are and why shouldn't you discriminate against them.	Explain how you can manage emotional and physical changes.	Explain the importance of diet and exercise.	Explain what a democratic society is and how we can play a part in it.	Explain what different types of drugs exist and what their effects are.	Give your opinion about various topical issues.
Music	How to compose and perform on a Djembe in an ensemble. How to read grid notation.	How to compose and perform within the Gamelan style with pitched percussion.	To explain and develop music notation. To perform on a piano keyboard.	How to use a Digital Audio Workstation to create a piece of music using loops.	How to play the Ukulele. To be able to read and understand Ukulele TAB.	How to perform as part of a band

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Drama	Introducing Drama- Define the difference between collaboration, imagination creation and reflection and know what this looks like in Drama.	Essential skills in Drama- Knowing several devising/ rehearsal skills to help build drama.	Comical characters- Show and demonstrate exaggerated physicality.	Theatre History -name and explain how theatre has changed in time	Zombies -To craft a story and character using techniques in a genre	War horse -To interpret a script for performance
Computing	Explain how to use computers safely, responsibly, and effectively. Understand online risk and how they can be prevented. Learn effective search techniques such as advance search like filtering e.g. dates and specific keywords. Distinguish between Hardware and software Show how numbers and text can be represented in binary		Describe how to present information in spreadsheets. Use mathematical operators and write formulas within spreadsheets. Create charts within spreadsheets. Know how to collect, plan and analyse data within spreadsheets		Describe Programming skills in scratch: create a script and functions. Know how to use sequence, selection, and repetition in programs E.g., using Procedures/broadcasting. Know how to work with variables and various forms of input and output E.g., variables to hold values such as Number of Lives Left or Score in a computer game. Know how to use an inbuilt library such as randomise	
Tech – Food	Explain the fundamentals of a balanced diet and a range of practical skills to support this.		Explain the fundamentals of a balanced diet and a range of practical skills to support this.		Explain the fundamentals of a balanced diet and a range of practical skills to support this.	
Tech – RM	Describe how to Design and manufacture a Nightlight using Timbers and electronics.		Describe how to design and manufacture a Nightlight using Timbers and electronics.		Describe how to Design and manufacture a Nightlight using Timbers and electronics.	
Tech – Graphics	Describe how to design and manufacture a Mug in the style of Pop Art.		Describe how to design and manufacture a Mug in the style of Pop Art.		Describe how to design and manufacture a Mug in the style of Pop Art.	
Tech - Textiles	Describe how to design and construct a light up Sugar skull wall hanging with a range of hand embroidery techniques.		Describe how to design and construct a light up Sugar skull wall hanging with a range of hand embroidery techniques.		Describe how to design and construct a light up Sugar skull wall hanging with a range of hand embroidery techniques.	