What my child will be learning this half term

Year 7		Autumn first half term	
Art	**Computing**	**DT**	**Science**
Gargoyles **The aims of this project are for pupils to develop their observational drawing skills, particularly in pencil and charcoal, in order to design and create their own design for a gargoyle. Pupils learn about the real history behind gargoyles, spanning many centuries and how they have influenced modern fantasy film makers today.** **Visually observe:** pen and pencil studies of faces and expressive features, designs of gargoyles drawn using shading techniques. **Research and analyse:** Research own gargoyle images needed to develop their ideas and make their own, original clay gargoyle. **Make and Experiment**-Experiment with a range of pen and ink techniques, journaling different clay techniques while creating in clay over the span of 2-3 lessons. **Review and Respond:** To review their own work as it progresses and to collaborative and respond weekly to the artwork of others.	**App Permissions and Online Safety** With children using mobile technology so much at home it is important that we know how to be safe when sharing images. We look into the 'permissions' we give the apps we use.	**Textiles: Dumpy Doorstops** Pupils use the Mexican 'Day of the Dead' festival to inspire and create a decorative doorstop using printing, hand embroidery stitches and appliqué. They will also build on sewing machine skills to create a curved and 3D shape.	**Movement and Cells** In this 'Big Idea', pupils learn: • why they have a skeleton and how it works together with your muscles to enable movement • what is found inside organisms • what plants and animals are made from • what the tiniest organism is • how to use a microscope **Particle Model & Separation** The batteries in your phone rely on lithium metal. Lithium exists on Earth in rocks and as a lithium chloride solution. How can lithium chloride, and other substances, be separated from their solutions? In this 'Big Idea', pupils learn: • why substances have different properties in solid, liquid, and gas states what happens when a substance changes from one state to another
French	**Humanities**	**Maths**	**Music**
Life outside of school Pupils will be able to identify and describe the area in which they live as well as their homes. Extension will be given here for Pupils to develop giving detail by using adjectives and prepositions describe location and appearance.	**Geography - Mapping our world** Pupils will revise and mature a range of geographical skills whilst developing their conceptual knowledge, especially of place, in the world and UK.	**1 – Place Value, Ordering, Rounding** In this unit, students will explore integers up to one billion and decimals to hundredths. Standard index form may also be introduced if the pupils are deemed ready for it. Rounding to the nearest given power of ten is developed, alongside rounding to one significant figure. **2 – Solving Problems with Addition and Subtraction** The focus for this unit is to ensure that pupils are fully up to speed with the formal methods developed at KS2. All students will look at this	**The Four Chord Song** Pupils will explore chords on the keyboard, a bass line on the guitar and beats on the drum kit. They will then go on to create a vocal medley in a group, using these instruments to accompany it.

	History - The Norman Conquest Pupils will study the events of 1066 and the tactics used by William the Conqueror to successfully invade England.	in the context of interpreting and solving problems and for those for whom these skills are already secure, this problem solving element will have an even greater emphasis. Problems could be drawn from contexts such as perimeter, money, interpreting bar charts and tables and looking at frequency trees. Calculators will begin to be used in order to check/support calculations, with significant figures and equations also explicitly revisited. **3 – Solving Problems with Multiplication and Division** Another key unit, where children will revisit their formal methods. They will also begin to study the forming and solving of two-step equations both with and without a calculator. Unit conversions will be the main context for multiplication and division by 10,100 and 1000 and simple finding fractions and percentages of an amount will be explored (providing a foundation for further study later in the term). As well as distinguishing between multiples and factors, substitution and simplification may also be revised and extended. Again, the emphasis will be on solving problem, particularly involving area of common shapes and the mean. Choosing the correct operation to solve a problem will also be a focus. There will also be some exploration of the order of operations which will be reinforced again later on in the year.	
PE	**PSHCE**	**RE**	**English**
Outwitting Opponents - Football Pupils will be looking at developing attacking and defending strategies and techniques. Selecting and applying tactics to enable the outwitting of their opponents. Continued development, adaptation and refinement of skills will enable a greater number of options to outwit an opponent in different sports. Working in a team they will respond quickly to new challenges, devising and developing practices to improve their own and others performance. **Interval Training** Children will be challenged to push themselves through a range of interval type tasks and challenges including: pyramid training, walk jog	**Being Me in my World** **Including:** Recognising their identity is affected by a range of factors and knowing they are a unique individual. Identify and reflect on their personal strengths and feel positive about themselves.	**Philosophy** In this unit, pupils explore their own and others' belief in God. They will challenge and/or support, with reasons, the Philosophers Thomas Aquinas's (Cosmological Argument) and William Paley's (Teleological Argument) beliefs about God's existence. Pupils will also use their knowledge and skills to explain, compare and contrast different religious and secular beliefs about how the world began.	**Private Peaceful** Pupils read Morpurgo's emotive novel and begin to peel away layers of meaning to try and discover the message within the novel. We build on our previous knowledge by examining how relationships and characters change in the book and learn how to analyse and explain the techniques used to show these developments. We also investigate characters through a range of written pieces, including diaries and letters. Pupils then compare the fictional representation of the First World War, with other non-fiction accounts, and poems, investigating narrative viewpoints and context for writing

run, HIIT. Encouraging children to show resilience and understand that in order to improve fitness, the body needs to be pushed beyond its comfortable state.	Understanding that people have different roles and responsibilities in society and identifying what is important to them. Understanding how identity comes from a range of factors, including global influences. Recognising how others see them and can give and receive feedback. Reflecting on their personal strengths, achievements and areas for development.		