

Work to be covered in the Autumn Term by Year 5.

This information has been provided so that you are fully aware of the work your child will cover over the term.

We hope it will also enable you to support your child at home in their studies.

If there is anything contained in this leaflet that you don't understand, please contact your child's class teacher.

Maths

- Read, write, order and compare numbers up to 1 000 000 and determine the value of each digit.
- Round any number to 1 000 000 to the nearest 10, 100, 1000, 10 000, 100 000.
- Count forwards and backwards with negative and positive numbers whole numbers, including through zero.
- Multiply numbers up to four- digits by a one- or two- digit number using a formal written method.
- Divide numbers up to four-digits by a one-digit whole number using a formal method and interpret remainders appropriately in context.
- Solve problems involving multiplication and division.
- Add and subtract whole numbers with more than 4 digits, including using formal methods.
- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.
- Read, write and order numbers with up to three decimal places.
- Identify, describe and represent the position of a shape.
- Draw angles and measure them in degrees.

English

- To write using a variety of genres including: instructions, adventure stories, recounts and poetry

- Read examples of stories from different cultures and traditions, older literature, traditional stories, myths and legends
- Select a character and use role-play to explore the story from their point of view
- Punctuate sentences accurately, including: question marks, exclamation marks, colons, commas, and speech marks.
- Link clauses in sentences using a range of connectives
- Organise writing in paragraphs
- Learn spelling patterns and apply spelling rules
- Develop legible, fluent handwriting style

Computing:

We are game developers

- To create original artwork and sound for a game.
- To design, create and improve a computer program for a computer game.

We are cryptographers

- To understand the need for private information to be encrypted.
- To appreciate the need to use complex passwords and to keep them secure

<p>Science:</p> <p>Forces</p> <ul style="list-style-type: none"> To explain that unsupported objects fall towards earth because of the force of gravity working between earth and the falling object. To identify the effects of air resistance, water resistance friction that act between moving surfaces. To recognise that some mechanisms, including levers, pulleys and gears allow a smaller force to have a greater effect. <p>Properties and Changes of Materials</p> <ul style="list-style-type: none"> To compare and group materials on the basis of their properties. To know that some materials will dissolve in a liquid to form a solution and describe how to recover a substance from a solution. To use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through: sieving, filtering and evaporating. To have an understanding of changes that are reversible and those that are not. <p>Music</p> <ul style="list-style-type: none"> To combine beat, rhythm and tempo. To develop the idea of the round into a four part performance. To introduce tuned percussion. 	<p>PE</p> <p>Indoor: Dance</p> <ul style="list-style-type: none"> To respond to stimuli and accompaniment to explore, improve and plan dances in groups. To understand how a dance is formed and performed. <p>Outdoor: Net/Court/Wall and Invasion Games</p> <ul style="list-style-type: none"> To work in pairs and small groups to develop attack and defence skills. To evaluate own performance. <p>History:</p> <p>Normans</p> <ul style="list-style-type: none"> To place the Normans in history and reflect on how the Normans changed Britain. To have an understanding of the key events in Norman times To understand why the Normans built castles. <p>PSHE: Citizenship and Feeling Safe</p> <ul style="list-style-type: none"> Children can recognise their own worth and express their views. To explore different values and beliefs in society. To describe the nature and consequences of bullying 	<p>DT - Mechanisms</p> <ul style="list-style-type: none"> To use research and develop design criteria to inform design To select and use a wide range of tools. To evaluate their work and understand how to improve. <p>French</p> <ul style="list-style-type: none"> To be able to communicate where they live. To be able to name places in a town. To be able to interpret and give directions. <p>RE:</p> <p>Islam</p> <ul style="list-style-type: none"> To describe the characteristics of the Prophet Mohammed. To know the effects of the 5 Pillars of Islam. To know the importance of prayer in the life of a Muslim. <p>Judaism</p> <ul style="list-style-type: none"> To know how Moses became leader of the Jewish nation. To learn about the Exodus story. To know and explore the Jewish faith <p>Safeguarding - Curriculum Links</p> <ul style="list-style-type: none"> Anti Bullying Week (Nov 14th) Feeling Safe Online Safety - Use of Passwords Recap Lucy and the Boy/I've seen your Willy.
---	--	---

