**Science**Our first topic looks at how sounds are produced and how they travel through a medium to the ear. We will be investigating pitch in a selection of musical instruments. After half term, we will study the arrangement of the planets in the solar system, the phases of the Moon and it’s and the Earth’s movement relative to the Sun. We will explain the rotation and orbit of the Earth creating days and years as well as how seasons are caused. **Art & DT**As Technologists, we will investigate different types of musical instruments, design and create our own and then evaluate our finished products. As Artists, we will work with clay to produce different types of pots before designing and painting a clay tile inspired by Mayan art.  **Geography**As Geographers, we will look at both the countries (including capital cities) and counties that make up the UK. We will also study the main physical features of our country including the seas, mountains, and rivers. Lastly, we will each take a county and create a tourist presentation for the class.

**History**As Historians, we will study The Maya people and find out who they were, where they lived and what they did. We will also discover what happened to the Maya people and explore some possible causes for their decline. **PE**As Sportspeople, this term we will develop our hockey and rugby skills. We will be monitoring and developing our fitness through circuits and practising different strokes at our weekly swimming lessons at Lancaster University.
**Computing**In computing, we will be learning to write and amend computer programs. We will program algorithms to achieve specific outcomes and test computer programs and correct any errors. After half-term we will be focusing on graphical drawing, modifying objects to create an image. We will use geometric tools to create, copy and resize images.
**PSHE**In PSHE we will be focusing on relationships. We will look at our own feelings and emotions as well as those of others, the needs of the child and how to value differences.

**Year 5
Autumn Term
UK Geography The Maya Civilisation**

**R.E.**In Religious Education, we will study The Bible; we will learn the names of the 66 books and how to reference a chapter and a verse. We will consider how and why Christians use The Bible before moving onto other sacred books. We will also look at the Christmas story in both Matthew and Luke and compare them. We will look at their intended audience and their impact on the world today.

Area

Perimeter

Country

County

Factor

Multiple

**Values**

Honesty/Truthfulness

**Key Vocabulary**

Intra sports
Meeting our buddies

Children in Need
Christmas Creative Week
Peace Proms
KS2 Christmas party

**Wider Curriculum**

Sound

Pitch

Volume

Vibration

Orbit

Solar

Satellite

**Maths**As Mathematicians, we will read, write, compare, order and round numbers up to 1 million. We will add and subtract whole numbers and decimal numbers and use these operations to solve word problems and find the perimeter of a selection of shapes. Our area work will include triangles and compound shapes. In multiplication and division we will learn about factors, multiples, square and cube numbers. We will collect, organise and interpret data into a range of charts, tables and graphs, including line graphs. We will develop our knowledge of negative numbers and work on problems involving Roman numerals.

**English**As Writers, we will use our class novel “Stormbreaker” by Anthony Horowitz to explore characters and settings in an adventure story. We will explore the key themes in a longer narrative and find similarities and differences between a written and a filmed text before writing our own opening chapter of the next book in the series. After half-term we will study a wide range of persuasive texts before writing our own and holding a debate. We will write poetry using a range of structures.
As Readers, we will study Stormbreaker by Anthony Horowitz. We will read a variety of poems including Love That Dog by Sharon Creech. We will also continue to read our individual texts both at home and at school.