

<p>Geography</p> <p>As geographers, we will be investigating the six different biome types and their distribution across the world. We will relate these to their position to the equator and to climatic conditions. Then, the focus will be on temperate and tropical rainforests. We will study the difference between these two rainforests by comparing temperature, rainfall, fauna and flora and then research and analyse graphs. Then, we will also study the importance of the world's rainforests; discuss reasons why they are disappearing. Finally, we will consider the ways in which they need to change the way they live to save the rainforests.</p>	<p>Maths</p> <p>As mathematicians, we will be multiplying and dividing 3- and 4-digit numbers by single and double-digit numbers. In addition, we will be finding and defining multiples, factors, and common factors. We will begin to work with prime numbers and determine what makes a number prime or composite. Also, we will work with square and cube numbers before moving on to multiplying by 10, 100 and 1000. When multiplying, we will be encouraged to use a variety of methods, including number bonds, column method and the grid method to represent multiplicative word problems. We will also multiply by 2-digit numbers before beginning to divide by 10, 100 and 1000. Then, we will move on and learn to divide numbers, giving rise to remainders using multiple methods, including number bonds and long and short division. Finally, we will then be introduced to the concept, fractions.</p>	<p>Science</p> <p>As scientists, we will continue to investigate everyday materials and conduct a series of tests based on their properties, including solubility. We will learn that some materials will dissolve in liquid to form a solution. Then, we will explore different techniques to recover a substance from a solution, including evaporation, sieving, and filtering. We will then explore materials that change irreversibly when heated or cooled and those that do not. During these investigations, we will set up their own simple tests to answer a scientific question. We will consider how to make these tests fair by controlling variables and make decisions regarding the data they need to collect and record.</p>
<p>PE</p> <p>This term, we will be going swimming at East Ham Leisure Centre.</p>	<p>Learning in Year 5</p> <p>Term 2</p>	<p>DT</p> <p>As design technicians, we will be describing the purpose of their products. First, we will identify the needs, wants, preferences and values of individuals and groups. Then, we will be developing a simple design specification to guide their thinking before selecting appropriate tools, materials, components, and techniques to make a piece of floating clothing.</p> <p>Music</p> <p>As musicians, we will be learning about different styles of music alongside note patterns. We will be doing this by playing the ukulele.</p>

Computing

This term, we will be learning how to produce a video. We will plan, record, and import our videos before compiling and adding the finishing touches in editing software.

English

As readers and writers, we will be reading *Coraline* by Neil Gaiman. This is an adventure story in which Coraline discovers a dark world with strange creatures but in which she also discovers her own inner bravery. During reading sessions, we will continue to focus on our fluency and developing the skills of retrieval, inference as well as explaining the meaning of different words in context. In writing lessons, we will be writing our own narrative focussing on different literary techniques such as rhetorical questions, similes and metaphors that develop suspense within the text. We will use the core book *Coraline* as a stimulus for exploring a range of different grammatical forms including the use of relative clauses to create complex sentences.

RE / PSHCE

In RE, we will be learning about the celebration of Christmas around the world and its importance to the Christian faith.

In PSHCE, the theme for this term is 'Celebrating Difference'; we will be discussing how there are cultural differences and that these sometimes cause conflict because they are unfamiliar to them, and people may appear to be different. During these discussions, we will have opportunities to consider ways in which they could view difference in culture as a positive learning experience. We will then look at the theme of racism, how this often leads to bullying, why this occurs and how we can mitigate against it.