

Being A Scientist

Computing

We will begin by working on the importance of safety on the internet. Through discussion, activities and lessons the children will learn how to keep their information safe, how to search safely and how to deal with problems that may arise with using ever-changing technology, games and apps. In addition, we will be using our editing skills to make short films and making databases linked to our science.



Science

Through being scientists, we will be digging deep the topic of materials. This will involve classifying more complex materials and carrying out lots of experiments to test our thoughts and questions out. We will explore how to separate materials mixed together through sieving and filtration, look at how and why a solution becomes saturated and explore the properties of materials. Sycamore class will have to find their survival skills and explore how to clean water enough to drink. Probing a little deeper, we will work on dissolving, mixing and changes of state are reversible changes and others that are irreversible too. Scientific skills of planning and carrying out investigations and using scientific vocabulary will be a big focus too.

Maths

Being mastery in maths is our aim and this means that we will be really working on the children being experts at each area of maths we cover. This term we will focus on the place value of numbers up to one million, rounding and the four operations. We will also explore negative and decimal numbers and then move into fractions – the main arithmetic elements of maths. We will develop fluency and our daily fluent if five will help keep methods current as we move between concepts. We love maths in Sycamore so I am looking forward to seeing some great problem-skills developing.

English

While working through year 5/6 objectives, we will focus on the complexity of how we write. To do this we will get to grips with expanding our vocabulary, punctuation and our editing skills. To keep this engaging and exciting we 'hook' this in through our topic work too. We will read widely and through daily reading sessions develop comprehension skills too. We have so many fantastic books to read together too.

Religious Education

Through discussion, exploring bible stories and research, we will explore the ideas around creation and how this is conflicting or complimentary with science. We will explore incarnation and Jesus as the Messiah. We will also research Humanism and its central beliefs.

Art and Design and Design Technology

Linking in with our materials focus, we will be using a variety of textiles to make our own tactile cushion. Through a really clear process of researching, designing, making and reflecting the children will be able to develop their sewing skills as well as understand why materials suit the purpose they are chosen for. Linked to our art, we will explore the technique of batik and exploring colour.

Geography

Stranded on a deserted island, how would you survive? Well we will explore this by getting to grips with map reading, grid references, land use and why settlements are where they are. We will also explore rivers and how they change the landscape and uses as well as delving into the importance of renewable energy in an ever growing world.

PSHE

Supporting our children back into school will be the priority but we will also be exploring relationships and how we value difference and the rights and responsibilities of living in our wider world.

PE - Athletics and outdoor games like netball will keep us occupied until half term and then we will try our skills at hockey.