

Chacewater School – LEAP into Learning

Term: Spring 1st Half term

Class: Mighty Oaks Y6

Theme: Voyage of Discovery (Charles Darwin - evolution and inheritance)

On this page you will find an outline of our learning this half term in Year 6.

Mathematics:

Fractions, Decimals and Percentages

simplify fractions/compare and order fractions

add and subtract fractions

multiply simple pairs of proper fractions

multiply fractions by a whole number (including mixed number fractions)

divide proper fractions by whole numbers

multiply and divide numbers by 10, 100 and 1,000 giving answers up to 3 decimal places

recall and use equivalences between simple fractions, decimals and percentages, including in different contexts

Algebra

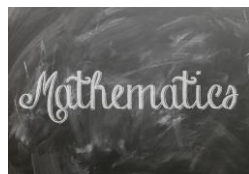
use simple formulae, generate and describe linear number sequences, express missing number problems algebraically

English

In English we will be exploring a Literacy Shed video called 'Titanium'. Using this as our hook, we will be writing a range of excerpts, including a setting description, to be able to build a short story in the form of a 1st person narrative. This will include a focus on dialogue and 'show, don't tell' features. We will continue to explore language features, such as simile and metaphor, to create impact for the reader.



We will also be writing an information text about our favourite Galapagos animal.



History:

We will learn about and understand how Charles Darwin's expedition to the Galapagos Islands fits into the Victorian period and the impact that his theories had during this time.



Geography:

We will be learning about the Galapagos Islands and comparing it with other places in the world, identifying key similarities and differences. In addition we will recap and learn about: biomes, climate zones, longitude, latitude and hemispheres.

Science: Evolutions and Inheritance/Living Things and Their Habitats

Building on what we learned about fossils in year 3, we will find out more about how living things on earth have changed over time. We will be introduced to the idea that characteristics are passed from parents to their offspring and also appreciate that variation in offspring over time can make animals more or less able to survive in particular environments. We will find out about the work of Charles Darwin and his ideas on evolution. We will also learn about the classification of animals, plants and microorganisms.



Art: Painting Skills

We will develop our painting skills, including colour mixing, texture and tone, to create a lifelike study of a Galapagos animal.

Computing: Variables in Games

Our unit explores the concept of variables in programming through games in Scratch. We will be developing our understanding of variables in a new programming language, learning where variables can be used and how they can be set and changed through the running of a program. We will apply our knowledge of variables and design to improve our game in Scratch.

Religious Education: Creation and science: conflicting or complementary?

This unit will enable us to explore the Creation story and discuss why might some people say creation and science are in conflict, whilst others say they are complementary?

RHSE: Caring and Responsibilities We will be learning about how responsibility changes as we get older and explore how we can take more responsibility for self-care. We will be learning about managing money and who cares for us as we grow older, including at secondary school.

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HOME LEARNING

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Alongside regular reading, spelling and maths home learning choose at least one of the following to complete over this half term. You might even be inspired and choose more than one! Please email any work to: mightyoaks@chacewaterschool.co.uk

Make your own fossil. Go to the link below to watch the 'how to' video.

<https://www.youtube.com/watch?v=EMdN5nNMtCo>



WATCH the BBC PERFECT PLANET video from 3:46 to 12:55
<https://www.bbc.co.uk/iplayer/episode/p08xc326/a-perfect-planet-series-1-4-oceans>

Can you explain the ways in which the MARINE IGUANA has adapted to survive? Think about the challenges it faces and how it is able to overcome these challenges. You can present your work in any way you wish (through artwork, poster, presentation etc)

The links below provide more information if you need it. Or you can do your own research.

<https://www.santacruzgalapagoscruise.com/galapagos-marine-iguana/>

<https://oceana.org/marine-life/sea-turtles-reptiles/marine-iguana>

Birds have adapted to be able to eat certain foods and you will notice that their beaks are all very different. **Can you design a beak to pick up your favourite food?**

1. You will need to think carefully about your favourite food – is it soft, crumbly or hard? If you poke something into it will it fall apart? Is it big or small? Is it wet or dry? All these things will change how you design your beak.



Create your own animal and write a fact file about it: diet, habitat, lifespan, characteristics, classification etc

Make a journey stick. Darwin loved to make collections of things that he found. Go on a walk in your local area and collect natural objects.. Place them on a piece of sticky tape or attach them to a long twig. What did you find on your journey? Why?



Can you create your own animal habitat? You can create this practically using art materials or even with your toys such as lego or duplo! Create your one diorama!



Find out as much as you can about the Galapagos Islands.

Can you compile your research into a presentation?

SOAP CARVING

<https://www.youtube.com/watch?v=Y17RweezGi8>

<https://www.youtube.com/watch?v=xMtoYxwf5rc>

Watch the video clips demonstrating soap carving. Choose an animal from the Galapagos and see if you can carve it into your soap. You don't have to have the exact tools. Be creative (and careful!) with your carving skills!

WILD CARD

Choose anything you would like linked to our topic

