



## Year 6 – Evolution and Inheritance Curriculum Information Autumn (1<sup>st</sup> half)

### English

- We will be reading Rudyard Kipling's 'Just So Stories' (fiction) and 'The Story of Life' by Catherine Barr (non-fiction).
- We will be understanding the features of and writing our own: scientific explanation texts, adaption narrative tales, encyclopaedia entries, biographies and discussion texts.
- We will be completing weekly reading comprehensions.
- We will be learning to spell all of the Year 5 & 6 common exception words, as well as using the Sir Linkalot spelling scheme to study spelling patterns.

### Mathematics

- We will be learning about the place value of numbers up to 10,000,000.
- We will recap how to add and subtract 4 digit numbers using the column method.
- We will learn how to multiply 4 digit numbers by 1 digit numbers and 2 digit numbers.
- We will recap short division and dividing with remainders.
- We will learn how to divide using factors and the methods of long division.
- We will consider: common multiples, primes to 100, and squares and cubes.

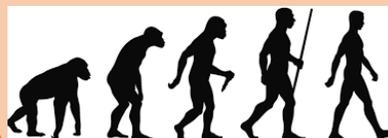
### Science

- We will explain how adaptations help plants and animals survive.
- We will describe the process of natural selection.
- We will explain what fossils can tell us about evolution.
- We will discuss why can animals look different to their parents.
- We will explore the work of palaeontologist Mary Anning.
- We will describe and understand the process of genetic modification.

### History or Geography

- We will be learning all about the scientific concepts of inheritance and adaption.
- We will be identifying the key ideas of Charles Darwin's 'Theory of Evolution.'
- We will be identifying evidence for evolution from fossil records and examine how living things have evolved throughout the history of time.
- We will be describing the known stages of human evolution and identifying adaptive traits in humans as a species.
- We will be debating how human intervention has affected evolution and the advantages and disadvantages of genetic modification.

### Our topic: Evolution and Inheritance



### PSHE and RHE

- We will be learning all about water safety by: identifying a range of danger signs, developing strategies that can help keep ourselves and others safe in water and recognising the impact and possible consequences of an accident or incident in the water.
- We will be identifying the risks associated with alcohol, as well as describing how alcohol can affect your immediate and future health.
- We will be identifying what risky choices are.
- We will be developing and recognising skills and strategies to stay safe around alcohol and drugs.

### Art and Design/Design and Technology

- In Art, we will review different printmaking processes that can be used to create images. We will create various monoprints, using carbon paper inspired by your current topic of Evolution and Inheritance. We will combine art forms such as collage, painting and printmaking in mixed media projects.

### Computing

- We will be exploring coding to make our own text-based adventure games.
- We will be reviewing online safety by discussing: mobile devices that broadcast your location, digital footprints and screen time.

### Religious Education

- We will consider what is written in the Bible about the foundations of the Christian Church.
- We will understand the ways in which churches reflect local culture.
- We will learn about how Churches help Christians to worship.

### How can you help your child at home?

- You can listen to your child read their book for 20 minutes every day and discuss what they have read.
- You can read to your child for 20 minutes every day and ask them questions to check how well they have comprehended the text.
- You can give your child opportunities to log onto Sir Linkalot and Times Tables Rockstars to develop their spelling skills and rapid recall of the times tables.
- You can support your child to complete all of their home learning on a weekly basis, including practising their spellings for their spelling test.

### Spanish

- We will begin to use Duolingo to learn Spanish at our own individual pace. You will receive a login to practise at home.

### Physical Education

- We will learn about and participate in the invasion game of tag rugby.
- We will continue to develop attacking and defending tactics, as well as work as a team to plan and communicate.

### Music

- We will recap instrumental skills on a recorder and ukulele.
- We will learn about hip-hop and rap music.
- We will learn to beatbox and use these skills to combine a group composition.