



OUR DRIVERS: **Spiritual, Moral, Diversity & Beliefs** **Communities & Environment** **Life Skills** **Personal, Social & Emotional Well Being**



### English

To know how to write a non chronological report on a dragon, using a range of punctuation including hyphens

To know how to write a balanced argument

To know how to punctuate bullet points correctly

To know how to use a colon to introduce a list and semi-colons within a list.

To continue to use varied vocabulary to engage the reader.

To know how to fluently read age-appropriate texts, draw inference and explain thinking, routinely returning to text to support opinions.

To know how to discuss and recommend novels.

To know how to perform poems, showing understanding through intonation, tone and volume.

### French

#### **That's Tasty!**

To know how to ask and answer questions related to drink choices.

To know how to interpret a chart written in French.

To know how to write sentences that express choices.

To know how to use adjectives to describe nouns.

### History

To know the story of Mary Anning and her influence in the scientific world.

To know the history of Darwin's trip to the Galapagos Islands and the significance of his findings.

To relate this knowledge to our scientific understanding.

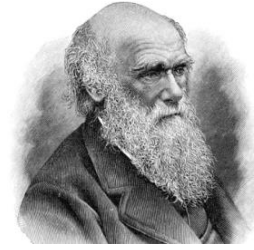
### Maths

To know how to calculate Ratio & Proportion.

To understand and know how to use Scale Factors.

To be introduced to algebra including substitution, forming and solving equations.

### **What links Mary Anning and Charles Darwin?**



#### Wow Moments

IMPS (Injury Minimization Programme for Schools) workshop  
No cost

### Computing

To know how to identify the benefits and risks of giving personal information and device access to different software.

To have a clear idea of appropriate online behaviour and how this can protect themselves and others from possible online dangers, bullying and inappropriate behaviour.

To know the positive and negative influences of technology on health and the environment.

### Science

To know that living things have changed over time and that fossils provide information about living things that inhabited the Earth.

To know that living things produce offspring of the same kind, but offspring can vary and are not identical to their parents.

To know how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.

### Music

To know how to sing and perform songs inspired by Benjamin Britten.

### Art

To know about digital art that uses and engages with digital media.

To experiment with digital and analogue photography.

To know how to use photography to create silhouette portraits.

### Religious Education

To develop an understanding of whether clothes express belief through a study of features of Islam.

### PE

To develop running skills & stamina through the Daily Mile.

To develop skills of passing, shooting, receiving, intercepting, defending in netball.

To create sequences of movement including springing, rotations and strong expressive shapes in gymnastics.

### PSHE

#### **Puzzle 3 Dreams & Goals**

To know learning strengths and set challenging but realistic goals.

To know how to work with other people to help make the world a better place.



# Year 6– Spring 1 - Knowledge Organiser

## Enquiry Question: What links Mary Anning and Charles Darwin?



### Subject Specific Vocabulary

naturalist	An expert of natural history
palaeontology	The study of the history of life on Earth through the fossil record
theory	An idea intended to explain something
adaptation	A trait or characteristic that changes to improve chance of survival.
inheritance	A trait or characteristic that changes to improve chance of survival.
variation	The differences between different individuals in a species.
evolution	Adaptation over a very long time.
habitat	The natural home or environment of an animal, plant or other organism.
biodiversity	The variety of plant and animal life in a particular habitat.
species	A group of living organisms consisting of similar individuals.
natural selection	The best adapted living things are able to survive
archipelago	An extensive group of islands.
endemism	species found nowhere else in the world
specimens	An individual animal, plant or mineral used as an example of its species or type
marine	Related to the sea
traits	Genetic features that are either inherited or adapted
offspring	The young animals or plants that are produced through reproduction

### Key Knowledge

#### Mary Anning

- Born in Lyme Regis 1799 and lived until 1847
- Became a keen fossil hunter, with most of her discoveries being made along the cliffs along the English Channel
- She discovered a skeleton that she believed belonged to a crocodile but was actually a complete dinosaur
- As an adult she was a fossil hunter, dealer and an expert in palaeontology
- Her discoveries contributed to changing in scientific thinking about the history of the earth

#### Charles Darwin

- Charles Darwin was an English naturalist, geologist and biologist, best known for his contributions to the science of evolution.
- It was on his 1835 voyage to the Galapagos Islands that he first noticed that living things on each island were similar but had adapted to their specific environments.
- Darwin first shocked the very religious Victorian society when he suggested that humans and other animals shared common ancestors; however, his non-religious biological theories appealed to professional scientists, and by the time of his death, his view became more widely accepted.
- He famously published his findings in his book 'On the Origin of Species by Means of Natural Selection'

#### FOSSILS

Fossils are the preserved remains of animals and plants from millions of years ago. Scientists use fossils to see what living things looked like in the past and they are proof that living things have evolved over time.

#### GALAPAGOS ISLANDS

The Galapagos Islands are home to some of the highest levels of endemism (species found nowhere else in the world). It is so biodiverse because of the many different habitat zones across the islands.

#### EVOLUTION

Evolution is the slow process of change that living things go through over long periods of time. Scientists have proof that living things have developed from earlier forms over millions of years and are still evolving today!

#### ADAPTIVE & INHERITED TRAITS

Adaptive traits are characteristics influenced by the environment and adapt as a result of things like climate and food. Inherited traits are passed on from parents to offspring, such as eye colour and hair colour.

