Darwin's Delights!

Yr 5/6

Links to Prior Learning

Big Blue – classifying

Rocks and Metals – fossils

Scrumdiddlyumptious - ?

Urban Pioneers – locate countries etc

Substantive Knowledge

Describe the differences in the life cycles of a mammal, amphibian, insect and bird
Describe the life process of reproduction in some plants and animals
Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences including micro-organisms, plants and animals
Give reasons for classifying plants and animals based on specific characteristics
Recognise that living things have changed over time and that fossils provide information about things that inhabited the Earth millions of years ago
Recognise that living things produce offspring of the same kind but normally offspring vary and are not identical to their parents
Identify how plants and animals are adapted to suit their environment and that adaptation may lead to evolution (Science)
locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities (Geog)

Cultural Capital

Book: The Origin of the Species
Art: Darwin's drawings and other observational drawings of plants and animals
Music: work associated with the planet earth suite by Hans Zimmer.
PSHE: Appreciation of how nature is connected and how it can be enjoyed
Understanding concerns and preservation efforts for endangered species

Key Questions

How do animals adapt to their environment?
How do peppered moths and Darwin's creatures show us about adaptation?
What are the similarities and differences between early hominids and homosapiens?
How are Darwin's ideas controversial?
How has the concept of evolution changed over time?
Do chickens prove dinosaurs exist?
How have humans evolved and where are they going next?

Disciplinary Knowledge

Asking and Answering Questions – Observing – Equipment and Measuring – Identifying and Classifying – Recording and Reporting (Science)
Map Skills – Positioning – Data and fieldwork) (Geography)
Developing Ideas – Techniques – Appreciating – Evaluating (Art, observational drawing)

Key Vocabulary

Evolution, Expedition, Microscope
Galapagos, Climatic conditions
Inheritance, Extinction, Genetic traits
Characteristics, Specimen, Adaptation, Variation, Fossils, Species
Micro-organisms: bacteria, fungi, protozoa, algae
Invertebrates: sponge, cephalopods, anthropods
Vertebrates: Finch, giant tortoise, marine iguana, peppered moth
Galapagos plants: mangrove (coastal), lava/candelabra, prickly pear cacti (arid), orchids (rainforest)

Throughout

Discrete

Y5 – Instrumental music lessons, RE – Y5 What would Jesus do? RE -Y6 Kingdom of God What kind of King is Jesus? PSHE – Different types of love and care. Healthy relationships. Rights. Importance of sleep. French – Y5 unit 13, Y6 unit 17, Computing – Webpage design

Maths Links Interpreting data	**English Links** Non-chronological report - animals
DT tools and techniques	**Art tools and techniques** Observational drawing Looking at Darwin's drawings. observational drawings of plants focusing on line, shape, form, pattern, colour. Use microscopes or magnifying glasses to look at fine detail.
History knowledge to be remembered	**Evaluation 2019/20** Not taught in school due to Covid-19