

Year 6 – Autumn 2 (November & December)

Topic: Life Story (Science)

- How do naturalists develop our understanding of the world?
- What is a biome and where can different habitats be found in the world?
- What are the layers in a rain forest? Which animals are plants can be found in each layer?
- How could these species be classified?
- What groups do we use to classify invertebrates? What are the characteristics of these groups?
- Can you use a key to classify some plants and animals in our local environment?
- What are micro-organisms?
- What groups can we use to classify these? What are the differences between bacteria, viruses, fungi, and algae?
- Who was Charles Darwin and where did he visit on HMS Beagle?
- What did Darwin discover through his work on the Galapagos islands?
- What evidence do we have of animals adapting to live in different habitats around the world?
- How do extinct species provide evidence for Darwin's theory of natural selection? How does the study of fossils support this work?
- Can animals from different species mate?
- What are genes?
- What evidence is there that offspring inherit some characteristics of their parents, but are not identical to them?
- Can you give me some examples of how Scientists have used cross breeding to create different breeds of cats, dogs, flowers and crops?
- What is the theory of evolution?
- What evidence is there to show humans evolved from apes?
- How have humans continued to evolve over time?
- What are the part of the reproductive system?
- What changes take place during puberty?
- How does fertilisation take place?*
- Which animals are endangered today and is there anything we can do to help conserve them?

*Parents/carers can with drawn from this lesson.

Music: Guitar

- Can you improvise a lead melody using the **pentatonic scale in G**? (G, A, B, D, E, G)
- What **chords** can you play? Can you show the positions of them? (G, A, D, C, F)
- Can you name 3 or more **stringed instruments**? (e.g. Pipa, Guitar, Lyre, Berimbau, Qin, Zither, Piano.)
- Can you name a popular **genre/style** that use stringed instruments? (e.g. Folk, Jazz, Blues, Rock.)
- Can you name up to 4 famous composers/guitarists from around the world? (e.g. Andrés Segovia, John Williams, Sharon Isbin, Ana Vidovic)

RE: God's existence (Christianity & Humanist)

- What do you think the religious make- up of the UK/world might be?
- Why do some people believe in **God** and others don't?
- What do **Christians** believe about how the world began?
- How does believing in **God** affect people's lives differ

DT: Mechanisms

- How does the **linkages** and **pulleys** work in your product?
- What **electrical** components did you include in your design? (*bulb, switch*)
- What did your peers say you could do to improve your design?

Computing: iMovie

- How are videos made **professionally**?
- What is **iMovie**?
- What are the features of **iMovie**?
- What is the purpose of **storyboarding** before filming something?
- How can you **import** clips in iMovie?
- How do you change **transitions** on iMovie?
- How do you add **titles** on iMovie?