Year Group: 11 Term: Two

We are learning:

**Inheritance, variation, and evolution**

- Sexual and asexual reproduction
- Meiosis
- DNA and the genome
- Genetic inheritance
- Inherited disorders
- Sex determination
- Variation
- Evolution
- Selective breeding
- Genetic engineering
- Fossils and extinction
- Classification

How can you support your child:

- Encourage them to make revision posters on each of the sub-topics within the topic of inheritance, variation and evolution.
- Encourage them to make cue cards with questions and answers on all the sub-topics with the topics of inheritance, variation and evolution.
- Encourage them to use the notes, videos, and quizzes, on BBC Bitesize.
- Encourage them to use Seneca Learning to supplement and secure their knowledge on the topic.

Try asking them:

- Define sexual and asexual reproduction.
- Describe the process of meiosis.
- Explain why two parents with brown eyes could give birth to a child with blue eyes.
- Describe the theory of evolution by natural selection.
- State the names of the three domains.
- Define extremophiles.

Useful Links:

Specification (Combined Science) = https://filestore.aqa.org.uk/resources/science/specifications/AQA-8464-SP-2016.PDF

Specification (Separate Science) = https://filestore.aqa.org.uk/resources/biology/specifications/AQA-8461-SP-2016.PDF

Senecal Learning = https://senecalearning.com/en-GB/

BBC Bitesize (Combined Science) = https://www.bbc.co.uk/bitesize/topics/zppffcw

BBC Bitesize (Separate Science) = https://www.bbc.co.uk/bitesize/examspecs/zpgcbk7