Year 5 Curriculum Leaflet Spring Term 2

BELMONT ACADEMY

Year 5 will be exploring the topic; 'Life Cycles'. This unit of work will have a specific focus on developing the children's knowledge, skills and understanding in finding out more about how humans develop to old age. We will also be looking at the life process of reproduction in some plants and animals.

Maths Learning

Place Value (3 weeks)
Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit.
Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000
Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers including through zero.
Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000
Solve number problems and practical problems that involve all of the above.
Read Roman numerals up to 1,000 (M) and recognise years written in Roman numerals.

Addition and subtraction (2weeks)
Add and subtract numbers mentally with increasingly large numbers.
Add and subtract whole numbers with more than 4digits, including using formal written methods (columnar addition and subtraction). Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.
Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

Statistics (1 week)
Solve comparison, sum and difference problems using information presented in a line graph.

English Learning

We will be reading:
Wonder by R J Palacio

Autobiography
Ensuring the consistent and correct use of tense (past) throughout a piece of writing and ensuring correct subject and verb agreement when using singular and plural.

Newspaper report
Distinguish between the language of speech and writing and choose the appropriate register (dialogue - informal/formal)

Prediction (deduce)
Use modal verbs or adverbs to indicate degrees of possibility

Descriptive poetry
Select appropriate vocabulary, understand how such choices can change and enhance meaning (figurative language use of simile, metaphor and hyperbole)

Home Learning

Parents can support in the following ways:

- Borrow and explore books from the library on life cycles.
- Suggested visits to farms, zoos or even the local woods to look at habitats and how animals are different at different parts of their lives.
- Encourage children to enquire about the natural world around.
- Promote their responsibility about living things.

‘Life Cycles’
Year 5

BELMONT ACADEMY

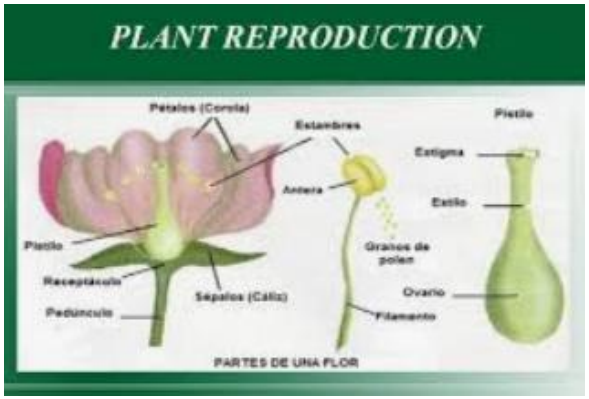
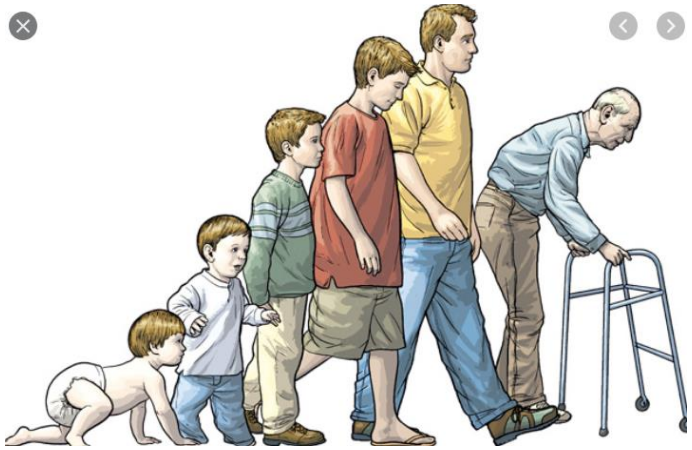
What I already know and can do:

In Science I can:

- Describe the simple functions of the basic parts of the digestive system in humans.
- Identify the different types of teeth in humans and their simple functions.
- Construct and interpret a variety of food chains, identifying producers, predators and prey.
- Recognise that living things can be grouped in a variety of ways.
- Explore and use classification keys to help group, identify and name a variety of living things in my local and wider environment.
- Recognise that environments can change and that this can sometimes pose dangers to living things.

Key Vocabulary I will learn:

asexual reproduction	One parent is needed to create an offspring, which is an exact copy of the parent.
fertilise	The action of fusing the male and female sex cells in order to develop an egg.
gestation	The length of a pregnancy.
life cycle	The journey of changes that take place throughout the life of a living thing including birth, growing up and **reproduction**.
metamorphosis	An abrupt and obvious change in the structure of an animal’s body and their behaviour.
pollination	The transfer of pollen to a stigma to allow **fertilisation**.

My new learning is:

- To describe the changes as humans develop to old age.
- To describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.
- To describe the life process of reproduction in some plants and animals.