

Maple Tree Primary School

Year 6: Evolution and Inheritance

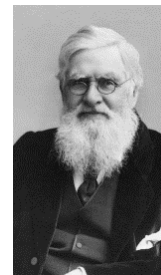
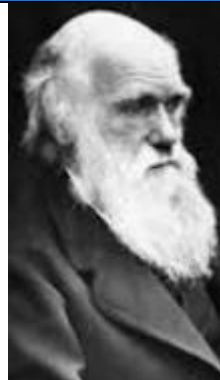
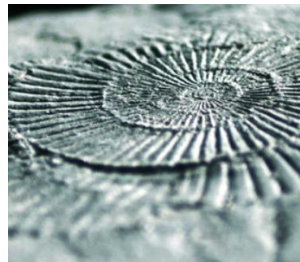
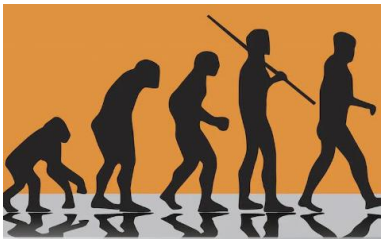
What should I already know?

- That living things can be grouped in a variety of ways – mammals, amphibians, reptiles, fish, birds, invertebrates.
- That classification keys help group, identify and name a variety of living things in their local and wider environment.
- That environments can change and that this can sometimes pose dangers to living things.
- To gather, record, classify and present data in a variety of ways to help in answering questions.
- Describe in simple terms how fossils are formed when things that have lived are trapped within rock.

Knowledge and skills

- To recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.
- To identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.

Diagrams



Vocabulary	
Adaptation	the process of change by which an <u>organism</u> or species becomes better suited to its environment.
Biological parent	The father and mother whose DNA a child carries
Environment	the surroundings or conditions in which a person, animal, or plant lives or operates.
Evolution	the process by which different kinds of living <u>organism</u> are believed to have developed from earlier forms during the history of the earth.
Fossils	the remains or impression of a <u>prehistoric</u> plant or animal embedded in rock and preserved in <u>petrified</u> form.
Identical	similar in every detail; exactly alike.
Inheritance	the process by which genetic information is passed on from parent to child.
Non-identical	not exactly the same as someone or something else:
Offspring	the product of the reproductive processes of a person, animal, or plant
Variation	differences in characteristics between individuals of the same species

Notes:

Question 1: I can use ____ to identify and organise life on Earth	True/False	True/False
a database		
a classification system		

Question 2: Charles Darwin coined the phrase...	True/False	True/False
Survival of the fittest		
Natural Selection		

Question 3: I can name a similarity and difference between micro-organism , plants and animals.	
Start of unit	End of unit

Question 4: The term given to change over time is ____	True/False	True/False
survival of the fittest		
evolution		
selective breeding		

Question 5: We inherit the following characteristics from our parents:		
	Start of unit T/F	End of unit T/F
Eye colour		
Hair colour		
Football skills		
Skin colour		
Play an instrument		

Question 6: I can create a creature suited to its environment based on given characteristics. This creature lives in a hot country, on land. It has feathers.	
Start of unit	End of unit

Question 7: I can match a group of living creatures from their characteristics.		
	Start of unit	End of unit
These creatures have fur or hair. They breathe air through their lungs. They feed milk to their young. They are warm blooded.		
These creatures have scaly skin and live in water. They use gills to breathe. They have fins. They lay their eggs in water, and they are cold blooded.		
These animals have hard, scaly skin and are cold blooded. They use lungs to breathe air and they lay their eggs on land.		

Question 8: I can give two characteristics that make an owl suited to hunting its prey.	Start of unit	End of unit

Question 9: A scientist who classifies living things is a ____	True/False	True/False
taxidermist		
biologist		
taxonomist		

Question 10: I can match offspring to their biological parent	
Start of unit	End of unit
