

Chacewater School – LEAP Into Learning - Spring 1 and 2 – Mighty Oaks

SCIENCE: EVOLUTION AND INHERITANCE

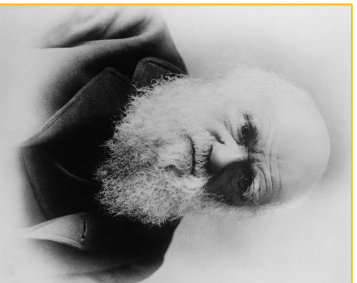
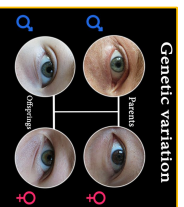
What I might already know: Fossils are formed when things that have lived are trapped within rock.

KEY QUESTIONS:

- How have living things changed over time?
- Why are fossils important? What do they tell us?
- How are offspring similar to their parents and how may they differ?
- When does evolution occur?

Key Vocabulary:

Organisms
Environment
Fossils
Evolution
Adaptation
Reproduction
Variation
Inherited
Offspring



What we will be learning:

Over time the **characteristics** that are most suited to the environment become increasingly common. Animals and plants are adapted to suit their environment. **Adaptation** may lead to **evolution**.



The theory of **evolution** is the process by which different kinds of living **organism** are believed to have developed from earlier forms during the history of the earth.



Living things have changed over time and **fossils** provide information about living things that inhabited the Earth millions of years ago.



Key knowledge:

- ✓ **Variation** exists within a population (and between offspring of some plants)
- ✓ **Organisms** best suited to their **environment** are more likely to survive long enough to reproduce.
- ✓ Organisms that are best adapted to **reproduce** are more likely to do so.
- ✓ Organisms reproduce and **offspring** have similar **characteristic** patterns.

