

## Science

Working with everyday materials pupils will:

- Distinguish between an object and the material from which it is made.
- Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.
- Describe the simple physical properties of a variety of everyday materials.
- Compare and group together a variety of everyday materials on the basis of their simple physical properties.

## Geography

Pupils will learn about:

- The Universe and how it was formed.
- The formation of stars and galaxies, focussing in on our galaxy the Milky Way, the Solar System and the planets that form it.
- The structure of the Earth and the processes that have made it what it is, looking at volcanoes, the water cycle and clouds.
- Earth's continents, oceans and different land and water forms.
- Rocks and minerals.
- Earth's changing continents through the process of plate tectonics, introducing the super continents of Rodinia and Pangaea.
- Changing landscapes and climates and how they have changed our world.
- The Ice Age.

## Zoology

Pupils will learn about:

- The first life forms on Earth - single celled organisms.
- The evolution of more complex life forms in the seas.
- Concept of living and non-living.
- Invertebrates and vertebrates.
- Simple animal classification including the seven classes of invertebrates.
- The classes of vertebrate - those being fish, birds, reptiles, amphibians and mammals.
- Animal life cycles.
- Dinosaurs, incorporating herbivores, carnivores and omnivores.
- Prehistoric mammals, primitive apes and early humans.
- Animal migrations.

## Botany

Pupils will learn about:

- The first plant forms on Earth - Blue Green Algae.
- Early sea weeds and water plants.
- The expansion of land plants, ferns and swamps.
- The development of seed bearing and flowering plants.
- Fruits, grains, grasses and trees.
- The different parts of plants such as their stems, leaves and flowers.
- The structure of the leaf, flower and tree.
- The needs of plants and the process through which they gain their needs such as photosynthesis.
- Plant classification.

## Year 1 Montessori Topic

Earth's History

- The Azoic Era - The Big Bang
- The Proterozoic Era - First Life in the Oceans
- The Paleozoic Era - Explosion of Life in the Oceans and the progression of Life onto Land
- The Mesozoic Era - Age of the Dinosaurs
- The Cenozoic Era - Age of Mammals

## History

Pupils will learn about:

- The origins of life from simple single celled organisms.
- The progression of life forms as they become more complex.
- The explosion of life in the Cambrian period of the Palaeozoic Era.
- The migration of life from the sea to the land.
- The Triassic, Jurassic and Cretaceous periods of the Mesozoic Era and the dinosaurs that inhabited the Earth during these times.
- The Cenozoic Era and the Age of Mammals.
- Extinction events throughout history.
- Palaeontology and the fossil record.

## Art

Pupils will:

- Explore their own creativity using different techniques and mediums.
- Study different artists and their particular style of artwork.
- Use a variety of materials to make a dinosaur.
- Develop their interest in art by exploring and using various disciplines.
- Listen to a variety of music and produce art inspired by what they hear.
- Study 'still life' art work and produce their own work.

## Music

Pupils will:

- Listen to music from various composers and identify the different instruments being played.
- Make musical instruments.
- Learn the names of a variety of instruments.
- Experiment and create their own music related to the current topic.
- Learn new songs, chants and rhymes.
- Explore music from around the world.

## Computing

Pupil Will:

- Write stories
- Create Pictures
- Carry out research
- Use ICT to support learning
- Control computers

## Design and Technology

Pupils will:

- Design and make a dinosaur using a variety of materials.
- Explore food from around the world.
- Learn about healthy eating and taste healthy food.