

## Science

### Scientific enquiry

Pupils will learn to:

- Collect evidence by making observations when trying to answer a question.
- Ask questions and decide how they might find answers to them.
- Think about what might happen before deciding what to do.
- Recognise when a test is fair or unfair.
- Follow instructions;
- Communicate their findings in a variety of ways.
- Make simple comparisons and identify patterns or associations.
- Review their work and explain what they did to others.
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### Materials and their properties:

Pupils will learn:

- To sort objects into groups on the basis of simple material properties such as roughness, hardness, shininess.
- The names of common types of materials, metal, plastic, wood, etc.
- To recognise which materials are found naturally and those that are manmade.
- Children will discuss the variety of uses of materials and how these are chosen for specific uses on the basis of their simple properties.
- Find out how the shapes of objects made from some materials can be changed by different processes.

## Art

Pupils will:

- Use a wide range of art materials to make products and develop their imagination and creativity.
- Use drawing, painting, sculpture and variety of craft and design techniques to develop their ideas and share experiences.
- Explore a range of art basics such as colours, lines, shapes, proportion, light and shade, perspective, and art from different cultures from around the world.
- Study a range of artists, craft makers and designers, look at the differences and similarities and link to their own work.
- Complete a range of art projects based on the current topic.

## Music

Pupils will:

- Learn and rehearse the songs for our Christmas production.
- Use their voices expressively and creatively by singing songs and rhymes.
- Listen to a range of different types of music.
- Look at beat, rhythm, notes, tempo, melody, harmony, pitch, time and improvisation.
- Explore the world of musical instruments. They will make instruments and study many musicians from around the world

## History

Pupils will learn about:

- Man's development through the ages focussing on the Stone Age, Bronze Age, Iron Age and Modern Age.
- The development of tools and the impact this has had on the development of man.
- The great civilisations, choosing between the Egyptians, Greeks, or Romans.
- Archaeology.
- Development of essentials such as medicine, electricity and transport.
- The development of writing and numbers through the ages.
- Technological advances in digital technology and the Space Race.

### Year 2 Montessori Topic:

The Age of Man

- The Stone Age
- The Bronze Age
- The Iron Age
- Great Civilisations
- Modern Age
- Age of Technology

## Zoology

Pupils will learn about:

- Animals and their uses to man for food and clothing.
- The human form.
- Extinction and endangered animals and the reasons for this.
- Conservation and its importance.

## Geography

Pupils will learn about:

- Climate changes - Ice age, global warming, melting ice caps and weather patterns.
- Physical geographical features such as mountains, rivers and plains.
- Different types of settlement, farming communities, urbanisation and the reasons for suitable areas for different types of settlement.
- Architecture and cultural tendencies.
- The fundamental needs of man.

## Design and Technology

Pupils will:

- Explore creative and practical activities, they will learn the process of designing and making products relating to the current topic.
- Experiment with a variety of resources and evaluate their own and others' work.
- Learn about healthy eating and nutrition, and write recipes and instructions to prepare dishes from around the world.

## Computing

Pupil Will:

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

## Botany

Pupils will learn about:

- The uses of plants for tools and food.
- Agriculture and products of cereal crops.
- Greenbelt areas and conservation.
- Advances in agriculture - hydroponics and genetically modified crops.