

## Elementary Curriculum

### Mathematical Development

#### Numbers and Counting

- What are numbers?
- How to count them?
- How to use them?
- How numbers work?

#### Arithmetical Operations

- Fundamentals of operations
- How to apply them in a real world situation?

#### Measurements and Estimations

- How to use numbers in the day to day world?
- How to estimate?
- How to measure weights, time, volumes, areas, lengths?

#### Spatial Sense and Geometry

- How to navigate in the world around?
- What are the shapes around?
- How to work with them to construct anything?

#### Data Handling

- How to collect data, how to visualize it to better understand patterns?
- How to sort things into categories?

#### Probability

- What is chance and likelihood? How does it affect decision making?

#### Logical reasoning

- Cause and effect, How to use deduction, How to do classifications?

#### Pattern recognition

- How to find patterns to numbers and shapes and surroundings?



# Elementary Curriculum

## Focus thread

### The Big Picture and Planet Earth

- Where are we? (Universe, stars, solar system)
- What are things made up of? (Matter)
- How did it all form? (Big bang theory and Big history)
- What is beyond touch but is present? (Energy, Forces)
- What's the Story of Earth?
- What all is there on Earth?

### World of Living

- What constitutes the living world?
- What is the Story of Life on Earth?

### The Ecosystems

- What are the ecosystems on Earth?
- What all goes on Earth? (Natural Phenomenon)

### Methods of Knowing

- How do we know, what we know?

### Human Body

- How do we perceive the world around us? (Senses)
- How does our body work? (Physiology and biology)

### Human Society

- What is essential to survival?
- What is required to live well?
- How to go about life? (habits/ethics)
- How do societies function?
- How does our country work? What's its history like?
- How does the outer world work? What's its history like?
- What is the Story of Humans on Earth? (Big History)

### Tools for life

- Computers - How work becomes easier with smart machines?
- Arts - How do we express ourselves?
- Money - How do we decide value of things around us?
- Engineering - How stuff works? How is it made?

### Future World

- What are challenges in front of us as a species? (Climate change, Sustainability, Poverty, Hunger etc)
- What is yet to be known?



# Elementary Curriculum

## Language Development

### Confident Communicators

- Able to apply their reading, writing, speaking and listening skills effectively

### Readers

- Engaging with a range of texts for information and for pleasure

### Writers

- using the written word clearly and creatively for a range of different purposes

### Speakers and Listeners

- who effectively present and collaborate, sharing and responding to ideas

### Vocabulary

- To express their unique ideas and thoughts in a clear manner.

### Critical Reasoning

- to evaluate and question why things happen the way they happen.

### Persuasive Communication

- To express their opinion and substantiate it with facts and reasons

### Documentation

- To keep a record of the knowledge and information gained.

