



مدرسة القديسة مريم الكاثوليكية الثانوية - دبي  
ST. MARY'S CATHOLIC HIGH SCHOOL, DUBAI

**Year 5**    **Subject: Science**

**PORTION FOR FINAL ASSESSMENT AND GL EXAMS –MAY/ JUNE 2023**

### **Unit 1 & 2: Life cycles of Plants & Animals including Humans**

- Differences in the life cycle of a mammal, an amphibian , an insect and a bird.
- Life process of reproduction in some animals.
- Identify flowering and non flowering plants.
- Parts and functions of a flower including male and female reproductive structures.
- Reproduction in flowering and non flowering plants including the stages-germination, pollination, fertilization and seed dispersal.
- Stages of the human lifecycle.

### **Unit 3: Materials**

- Compare /Group materials on the basis of their properties, including hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets.
- Electrical conductors and insulators.
- Thermal conductors and insulators.
- Use of everyday materials including metals, wood and plastic.

### **Unit 4: Separating Mixtures**

- Properties of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving, evaporating and using a magnet.
- Solute, solvent , solution and Solubility
- Factors affecting the rate of dissolving, recovery of dissolved solids from a solution.
- Factors affecting the rate of evaporation.
- Water cycle- process and role of evaporation and condensation

## Unit 5: Types of Change

- Temperature affecting changes of state-melting, freezing , evaporation and condensation .
- Boiling & Melting point-meaning, examples ,uses
- Mixtures & solutions- meaning and examples
- Reversible and Irreversible change –meaning and examples
- Physical and Chemical change – meaning and examples

## Unit 6 : Earth and Space

- The Solar system, planets and movement of the Earth and planets relative to the Sun.
- Earth’s rotation and the apparent movement of the sun-day and night.
- The Moon and its movement; phases of the moon.
- Shape and size of the Sun, Earth and Moon.
- Shadows and reasons for varying shadow lengths during the day.

## Unit 7: Forces

- Force-meaning, effects and types of forces
- Effect of the force of gravity.
- Friction-advantages and disadvantages
- Effects of air resistance ,water resistance and friction acting between moving surfaces
- Streamlining- to reduce the effects of air and water resistance.

## Unit 8 : Simple Machines

- Simple mechanisms, including levers, pulleys, inclined plane , screw and gears.

➤ TOPICS done in Previous Years will be included as well.

➤ **ACTIVE LEARN ALLOCATIONS will be made for these topics so you can learn from them .**

➤ **YEAR 3 TOPICS:**

- Rocks and soil
- Light and shadows
- Magnets
- Skeleton & Muscles

➤ **YEAR 4 TOPICS:**

- Grouping Living Things
- Dangers to living things & Habitat
- Human Nutrition
- Electricity
- Sound

## **Scientific Enquiry**

- Read and interpret data to answer questions related to scientific enquiry.
- Investigating / Obtaining and Presenting evidence (observation) & Conclusions
- Identifying the different variables in an investigation.
- Recording findings using simple scientific language, graphs, labeled diagrams, bar charts, and tables.
  
- **Questions on Scientific Enquiry and Investigations will be asked from the above topics.**
  - **Revise from the Notes, Topic Book, Work Book, PPT's with video links, Active learn Resources and Revision materials**
  - **Revision materials will be posted on GC as well as done in class via revision sheets after the Spring Break**
  - **Explore the following recommended websites:**  
<https://wordwall.net/en-gb/community/science>

" <https://quizizz.com>