



The Mall School

Curriculum Guide

Science – Summer Term

Year 5

Teacher: Mrs Ann-Maria Upton
Lessons: One single lesson and two double lessons per week.
Homework: 1 x 20 minutes

Introduction:

The science syllabus incorporates topics related to physics, chemistry and biology. Over the course of Year 5 the boys will learn about safety in the laboratory, measurement, states of matter, energy, forces, mixing and separating substances, elements and compounds, cells; the building blocks of life, and the Human body. There will be an assessment after each topic studied, and the boys will review their assessment papers and retain them to enable them to check their progress throughout the year and to identify areas which they need to spend more time revising before their summer examination. Whilst learning about each topic the boys will be given many opportunities to carry out practical experimental work in order to develop their investigation skills and techniques.

Key Objectives:

- Understand the difference between elements, compounds and mixtures.
- Know the names of the first 20 elements.
- Know how elements are displayed on the periodic table.
- Understand why humans are living.
- Understand how cells are built into organs and systems.
- Know the basic structure and functions of the main systems of the human body.

These key objectives will be covered alongside others in the units of work in each term. The topic area to be covered for the Summer Term is as follows:

- Elements, Compounds and Mixtures
- The Human Body

Resources:

All boys must bring the following equipment to all lessons:

Pen or Biro (blue ink), pencil, rubber, pencil sharpener, 30cm ruler, calculator, colouring pencils, and a glue stick.

All boys will be issued with a printed booklet about each topic area and will complete written work and diagrams in their exercise books.