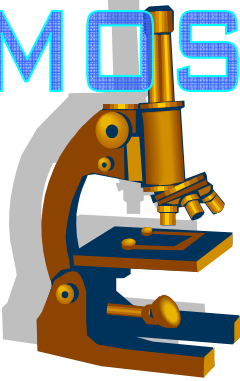


MOSCROP SCIENCE



Processes of Science

It is expected that students will:

- A1 demonstrate safe procedures
- A2 perform experiments using the scientific method
- A3 represent and interpret information in graphic form
- A4 use models to explain how systems operate
- A5 demonstrate scientific literacy
- A6 demonstrate ethical, responsible, cooperative behaviour
- A7 describe the relationship between scientific principles and technology
- A8 demonstrate competence in the use of technologies specific to investigative procedures and research

Life Science: Cells and Systems

It is expected that students will:

- B1 demonstrate knowledge of the characteristics of living things
- B2 relate the main features and properties of cells to their functions
- B3 explain the relationship between cells, tissues, organs, and organ systems
- B4 explain the functioning of the immune system, and the roles of the primary, secondary, and tertiary defence systems

Physical Science: Optics

It is expected that students will:

- C1 demonstrate knowledge of the behaviour of waves
- C2 explain the properties of visible light
- C3 compare visible light to other types of electromagnetic radiation
- C4 explain how human vision works

Physical Science: Fluids and Dynamics

It is expected that students will:

- C5 explain the concept of force
- C6 describe the relationship between solids, liquids, and gases, using the kinetic molecular theory
- C7 determine the density of various substances
- C8 explain the relationship between pressure, temperature, area, and force in fluids
- C9 recognize similarities between natural and constructed fluid systems (e.g., hydraulic, pneumatic)

Earth and Space Science: Water Systems on Earth

It is expected that students will:

D1 explain the significance of salinity and temperature in the world's oceans

D2 describe how water and ice shape the landscape

D3 describe factors that affect productivity and species distribution in aquatic environments

Marks Breakdown

60% Tests and Quizzes

40% Labs and Assignments