

Science

Biology, Chemistry, Physics



Biology

The science with a focus on Biology course will study in detail biological systems including how the body works, how species survive, cell division and moral and ethical issues in controversial biological procedures. Further study will be undertaken on plant species. The course provides skills that are complementary to other curricular areas such as the technologies, mathematics and humanities. You will be encouraged to use creativity and logical thinking at the same time as developing practical skills. The course thus provides opportunities for inter disciplinary learning, and scope for personalisation and choice.

Chemistry

The science with a focus on Chemistry course will study in detail the structure of an atom, research into new smart materials, crude oil and its uses, the metal reactivity series, pollution and the use of fertilisers. Further study will be undertaken on chemical reactions. The course provides skills that are complementary to other curricular areas such as the technologies, mathematics and humanities. You will be encouraged to use creativity and logical thinking at the same time as developing practical skills. The course thus provides opportunities for inter disciplinary learning, and scope for personalisation and choice.

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Physics

The science with a focus on Physics course will study in detail the kinetic model of gases, space, speed and acceleration and floating and sinking. Further study will be undertaken on electrical circuits, including current, voltage resistance and electronic components. The course provides skills that are complementary to other curricular areas such as the technologies, mathematics and humanities. You will be encouraged to use creativity and logical thinking at the same time as developing practical skills. The course thus provides opportunities for inter disciplinary learning, and scope for personalisation and choice.