
YEAR 10 SUBJECTS

Earth and Space Science

This course is intended for those students who are interested in studying the Earth, the Solar System and beyond. Students will examine how man-made change has impacted global systems such as local and global climate change, the Greenhouse effect, ozone depletion, permafrost and sea level; and biogeochemical cycles such as the carbon, nitrogen and water cycles which in turn affects biodiversity of life on Earth. Students will investigate the formation of our Solar System, Stars, Galaxies and the Universe.

Generic skills that are considered across all the subjects in the Science faculty include:

- Application and analysis of theory to practical situations
- Evaluation of ethical implications of scientific research and theory
- Use equipment, materials and instruments responsibly and safely
- Present experimental results appropriately; correct use of the selected report writing format
- Apply techniques to locate more precise information from websites, including searching general and specialised directories; use of selected software and hardware to enhance and support the application of content

Subject specific skills are:

- You will be able to explain theories on the formation of the Solar System
- You will examine the structure and evolution of Stars
- You will be able to explain the theory on the origin of Galaxies and the Universe
- You will examine the impact of man-made change on global systems and cycles which then affect life on Earth