



Science (Middle School)

At Northpine Christian College, we understand that Science is a dynamic, collaborative and creative human endeavour arising from our desire to make sense of our world through exploring the unknown, investigating universal mysteries, making predictions and solving problems.

Curriculum Overview

At Northpine we understand the importance of a curriculum which supports students to develop scientific knowledge, understand and develop skills to make informed decisions about local, national and global issues. With this in mind teaching units have been designed to address these key aspects of curriculum. Science at Northpine follows the three learning strands set down by Australian Curriculum. The strands are:

Science Understanding

This strand provides the content through which the key ideas of science and skills are developed within contexts appropriate to the learners.

Science as a Human Endeavour

This strand highlights the development of science as a unique way of knowing and doing, and the importance of science in contemporary decision-making and problem-solving.

Science Inquiry Skills

This strand is concerned with evaluating claims, investigating ideas, solving problems, drawing valid conclusions and developing evidence-based arguments.

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Course focus

At Northpine Christian College, we are committed to providing students with appropriate and diverse learning experiences that:

- Provide a solid foundation of knowledge of biological, chemical, physical, earth and space sciences.
- Develop an understanding of the nature of scientific inquiry and the ability to use a range of scientific inquiry methods.
- Develop an ability to communicate scientific understanding and findings to a range of audiences, to justify ideas on the basis of evidence, and to evaluate and debate scientific arguments and claims.
- Foster an ability to solve problems and make informed, evidence-based decisions about current and future applications of science.

Year 7

Chemistry of Mixtures
Habitats and Interactions
Forces and Simple Mechanics
Exploring Our Planet Earth and Beyond

Year 8

From Little Things Big Things Grow
What's the Matter
Energy for My Lifestyle
We Will Rock You

Year 9

Body Systems
The Patterns of Chemistry
Waves and Particles
Life in Balance

Year 10

Chemical Patterns
DNA and Genetics
Motion and Energy
Big Systems



Enquiries

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