Overview

Freshwater Studies: Year 7

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Freshwater Studies is a whole day program during which students explore an aquatic environment. The program commences with an introduction to water catchments and the impact of humans upon them. Students use data loggers to measure and record information on physical and chemical properties of a waterway (e.g. temperature, turbidity, pH, Dissolved Oxygen). Aquatic animals are also collected using sampling nets and identified using classification keys and microscopes. An understanding of the differences within groups and feeding relationships is obtained through the classification of collected organisms and the construction of food chains and a food web. The program concludes with students getting up close and personal with live animals and discussing their specific adaptations. Animals may include turtles, a green tree frog or water dragon.

Freshwater Studies has been assessed as medium risk. A Curriculum Activity Risk Assessment is available on request. A student field booklet will be provided upon confirmation of your booking.

Curriculum Intent

Science
- Classification helps organise the diverse group of organisms (ACSSU111)
- Interactions between organisms, including the effects of human activities can be represented by food chains and food webs (ACSSU112)
- Some of Earth’s resources are renewable, including water that cycles through the environment, but others are non-renewable (ACSSU116)

Geography
- The ways that flows of water connect places as it moves through the environment and the way this affects places (ACHGK038)

Sustainability
- The biosphere is a dynamic system providing conditions that sustain life on Earth (O1.1)
- All life forms, including human life, are connected through ecosystems on which they depend for their wellbeing and survival (O1.2)
- Actions for a more sustainable future reflect values of care, respect and responsibility, and require us to explore and understand environments (O1.8)