

Forest Education Foundation

The stories behind our trees

Year 9 Excursion

Ecosystems and The Role of Science

Explore the characteristics of Tasmanian forest types, including the role of fire, and use a range of ecological sampling techniques to collect data. Investigate the different ways in which people interact with this environment and the broader landscape.

Program Outline



Biodiversity and the Importance of Science: Explore the features of a forest and consider the biodiversity of forest species. Which species has more diversity: beetles, mammals or vascular plants? What does the scientific data tells us?

Forest Types: Explore the three main forest types of Tasmania and investigate a range of influencing factors that lead to the development and distribution of different forest types.

Interpreting a Dry Eucalypt Forest: Explore the features of the forest by conducting a quadrat. Record a range of biotic and abiotic factors, including, species identification, adaptations, light intensity, temperature, soil moisture, tree heights and tree hollow surveying.

Comparing a Wet Eucalypt Forest: Complete a quadrat to identify the different features and compare forest types. Conduct a log decay survey by transect and consider adaptations of plant species.

People and Forests: Investigate the importance of ecological research in maintaining biodiversity.



Curriculum Links:

Science

- Ecosystems consist of communities of interdependent organisms and abiotic components of the environment; matter and energy flow through these systems (ACSSU176)
- Select and use appropriate equipment to collect and record data systematically and accurately (ACSIS166

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