



Forest Ecosystems - Let's dig deeper

Program Outline

Abiotic and Biotic features of a forest

Explore the biotic and abiotic features of a forest ecosystem. How do these work together to create a healthy ecosystem? Discover the different forest types in Tasmania and how biotic and abiotic features drive the differences in these ecosystems.

Identify this, Identify that!

Identify a range of common Tasmanian forest plant species. Consider their features and determine which forest types they might be found growing in.

Who is eating who? Forest Food Web

Build a Tasmanian forest food web, considering how energy and matter transfer from producers to consumers. Explore the role ecosystem disruptions can play in natural forest systems and determine the impacts on populations.

Clean up duty - Important role of Decomposers

Use a dichotomous key to discover the diversity of decomposers and other organisms breaking down organic matter on the forest floor. Explore the important role Australian Scientists play in the collection of important biological data and discover the diversity of living things in our forests.

Timing: 90 minutes

Required equipment: Access to a screen for digital display, large teaching space with ample room for activities.

Curriculum Links:

Science

- Investigate the role of classification in ordering and organising the diversity of life on Earth and use and develop classification tools including dichotomous keys (AC9S7U01)
- Use models, including food webs, to represent matter and energy flow in ecosystems and predict the impact of changing abiotic and biotic factors on populations (AC9S7U02)
- Select and use equipment to generate and record data with precision, using digital tools as appropriate (AC9S7I03)

