



FOREST LEARNING

www.forestlearning.edu.au

A teaching and learning resource on
Australian forests and sustainability for years 3 –12



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Four main challenges for Forest Learning over the next 12 months:

- Continue to grow number of quality and engaging teaching resources that builds teacher confidence
- Continue to link all lessons to the [Australian Curriculum](#) and meet www.scootle.edu.au online resource requirements
- Continue to address misinformation around forestry, its production and environmental impacts
- Assist the industry to engage with schools to promote the www.forestlearning.edu.au website, lessons and the industry.
 - Between 8,000 and 10,000 hits per quarter
 - 7,000 on forestlearning database (predominantly teachers)

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1. Employing quality curriculum writers and educators to develop lessons – at primary and secondary-science levels
2. Developing guidelines for resources based on research from 2012, feedback on current resources (audit conducted in 2013 seeing resources reduced from 200 to 32 on forestlearning) and Primary Industries Education Foundation of Australia feedback
3. Focus on individual lessons that build into Units of Inquiry
4. Leverage PIEFA relationship to ensure forestry well represented at conferences, publicity and future resources

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Future direction with Australian Forest Education Alliance partners:

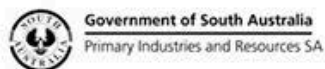
1. Plantations – from forest to frame
2. Forest sustainability and regeneration (includes fire)
3. Different land and different uses
4. Carbon storage
5. Wood in our everyday lives

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AFEA Members

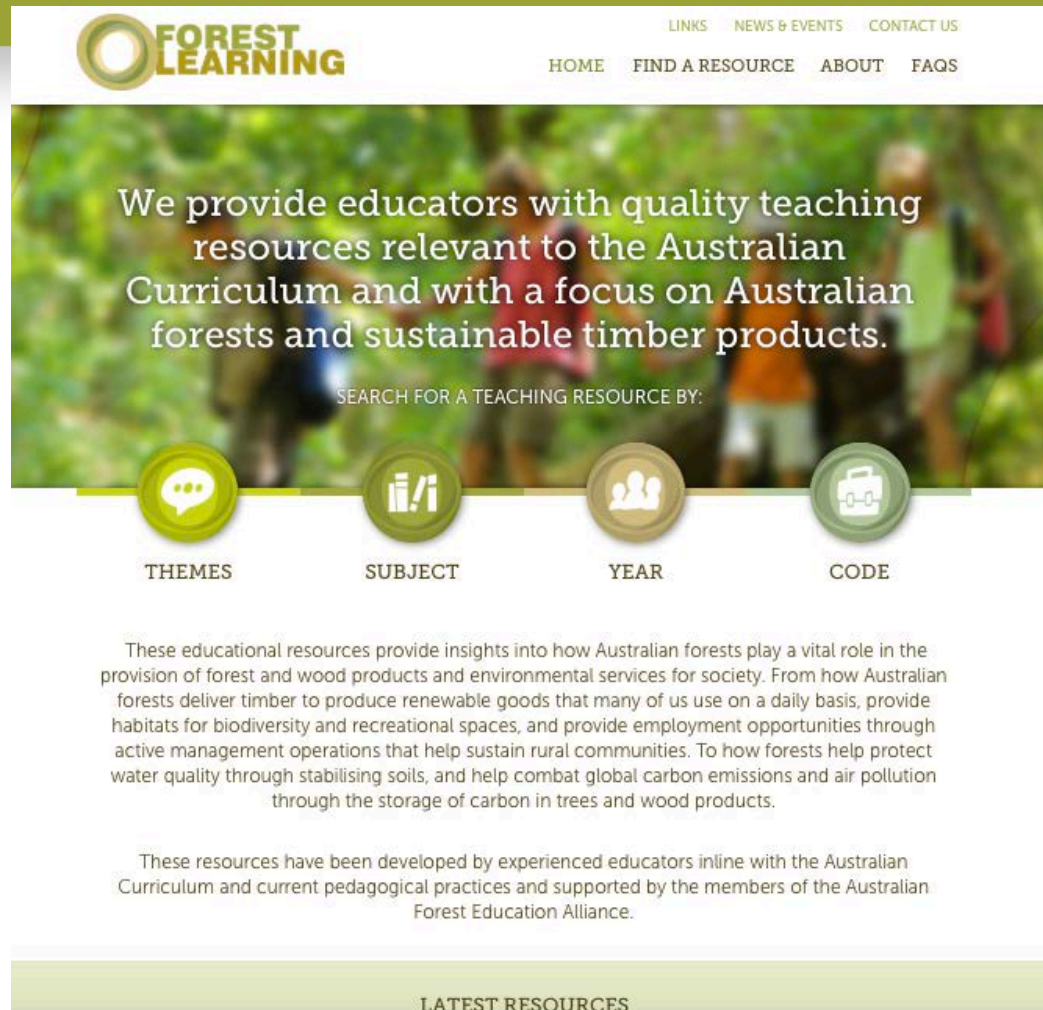
AUSTRALIAN FOREST EDUCATION ALLIANCE



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New Website



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Find a Resource

CURRICULUM CODE ▾

THEME ▾

SUBJECT ▾

YEAR ▾

STATE ▾

SCOT ▾

TYPE ▾

KEYWORD ▾

To filter the results, you can select search criterias from the above menu.

FILTERING BY THESE TAGS:

✕ CLEAR ALL

FIND RESOURCES 🔍

RESOURCE RESULTS:



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Forest Information

FOREST INFORMATION

Forests in Australia

Forests are ecosystems; a dynamic, constantly changing community of living things, interacting with non-living components. Forests are valued on social, environmental, cultural and economic factors, and are used, loved and appreciated by most people.

Forests in Australia cover approximately 125 million hectares or 16% of the Australian land mass, and include around 3% of the global forest area (DAFF, 2014). Forests are areas of land dominated by tree cover that can reach at least 2 metres height at maturity, and include all other living and non-living things within, such as animals, plants, soil and water.

We need forests. They provide wood and non-timber products and services, play a key role in the fight against climate change, make an important contribution to our economy through supporting regional communities, as well as providing excellent opportunities for recreation and tourism.



EARTH ALIVE – AN ACTION
BASED INVESTIGATION OF
LOCAL BIODIVERSITY

[VIEW](#)

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C

Cable logging

Logging method based on a skyline wire cable system, used where slopes are too steep for conventional logging machinery.

Canopy

The uppermost level of foliage formed by the branches and leaves of a tree.

Capacity

The ability to apply knowledge in problem solving processes and innovate to create change.

Captive carbon

Once CO₂ has been used by a plant the carbon will stay captive (or stored) in the plant until it decomposes, is burnt or breaks down.



National Excursions

Book a Forest Excursion

BOOK A FOREST EXCURSION

If you are in Tasmania:

Forest Education Foundation

The National Forest Learning Centre

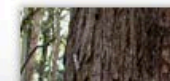
The National Forest Learning Centre Hobart, is a purpose built forestry learning centre which allows schools to spend an hour or two investigating various aspects of forest ecology, forest science and forest management through a range of hands-on learning experiences developed by the Forest Education Foundation teachers.

However if you want to take a field trip the Forest Education Foundation (FEF Field Trips Along) can has a range of program and field trip opportunities available throughout Tasmania. All field trips, from lower primary to pre-tertiary, involve a wide range of practical activities and use of specialist equipment provided by the FEF.

For more information contact Forest Education Foundation on 03 6235 8240, visit our website: www.forest-education.com.au or email info@foresteducation.com.



EARTH
BASED
LOC



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DAFF. 2010. *Forest certification in Australia*, Department of Agriculture, Fisheries and Forestry, <http://www.daff.gov.au/forestry/national/forest-mgmt/certification>

DAFF. 2013. Australian State of the Forests Report: Five yearly report 2013.
<http://www.daff.gov.au/ABARES/forestsaustralia/Pages/SOFR/sofr-2013.aspx>

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DCCEE. 2010a. *Who the Kyoto Protocol Impacts*, Department of Climate Change and Energy Efficiency,
<http://www.climatechange.gov.au/government/initiatives/kyoto/kyoto-ratified.aspx>

DCCEE .2010b. *Kyoto Protocol*, Department of Climate Change and Energy Efficiency,
<http://www.climatechange.gov.au/government/initiatives/kyoto.aspx>

DCCEE. 2010c. *More about the Kyoto Protocol*, Department of Climate Change and Energy Efficiency,
<http://www.climatechange.gov.au/en/government/initiatives/kyoto/kyoto-protocol-detail.aspx>



FAQs – forests, website & resources

FREQUENTLY ASKED QUESTIONS - FORESTS

Here are some of the most common questions that you may have about forests, forest management, forest services and wood products education in schools and their answers.

If you don't find the information you're looking for here, please check the [related websites](#) page that lists websites with further industry information or [email us](#).

Q. Where can I go to get additional information on forests and forestry?

Q. What is a forest?

Q. What is the role of forestry?

Q. What is sustainable forest management?

Q. How do you produce timber and wood products?

Q. What is the future?



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Print Resource:  

WOOD AS A RENEWABLE AND ENERGY EFFICIENT RESOURCE

Lesson Overview:

In this lesson students will learn about renewable and non-renewable resources and the energy and processes used to produce various every day materials and products and their impact on the environment.



To make the most of this lesson, download the PDF lesson plan and watch the video. You have two options for watching your video, watch it via the embedded YouTube player or watch it via the YouTube website link provided.



DOWNLOAD RESOURCE

File Name:
Video_QA_Science.pdf

File Size: 195.09 kb

File Type: PDF

▼ DOWNLOAD

Wood as a renewable and energy efficient resource

Questions and Answers for Video Lesson

Activity Information	Level:	Junior secondary school Years 7 – 10
	Duration:	1 lesson
	Preparation:	Watch the video lesson titled "Wood as a renewable and energy efficient resource" and answer the following questions.
	Summary:	Students will learn about renewable and non-renewable resources and the energy used to produce various every day materials and products.



Questions

1. Explain the difference between renewable and non-renewable resources and provide an example for each.

2. Why is it important that we replant trees after harvesting?

3. What are some every-day goods produced from processing non-renewable fossil fuels?

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Teacher Support



<http://forestlearning.edu.au/find-a-resource/article/27/wood-as-a-renewable-and-energy-efficient-resource.html>

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<https://www.youtube.com/watch?v=05oxy-AF-m8>

Year Level/s:

7, 8, 9, 10

Key Curriculum Areas / Subject:

Science

National Curriculum Codes:

ACSHE121, ACSHE136, ACSHE230, ACSSU116, ACSSU190

Strand Content Description:

Science

- **ACSHE121** - Science understanding influences the development of practices in areas of human activity such as industry, agriculture and marine and terrestrial resource management.
- **ACSHE136** - Science understanding influences the development of practices in areas of human activity such as industry, agriculture and marine and terrestrial resource management.
- **ACSHE230** - The values and needs of contemporary society can influence the focus of scientific research.
- **ACSSU116** - Some of Earth's resources are renewable, but others are non-renewable.
- **ACSSU190** - Energy conservation in a system can be explained by describing energy transfers and transformations.

General Capabilities:



Critical and Creative Thinking, Ethical Understanding, Personal and Social Capabilities

Cross Curriculum Priorities:

Sustainability

Curriculum Connections:

Design and Technologies

ScOT Catalogue Terms:

Energy Conservation, Environmental Management, Industries, Non-Renewable Resources, Renewable Energy

Theme/s:

Forestry - Sustainability and Certification, Forestry Products - Processing and Technology, Forest Futures - Carbon Renewable Resources and Innovation


Resource Type/s:

Primary: Multimedia

Secondary: Student Worksheet

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AN EDUCATIONAL UNIT FOR PRIMARY SCHOOLS



Exploring sustainable practices in food and fibre production

YEARS 5 & 6
Design and Technologies

primezone
The place for all your primary industry resources
www.primezone.edu.au

Forestry was represented in 14 of the 17 Units of Inquiry developed by PIEFA in 2014/15.



Investigating key Australian fibre production practices in the cotton, timber and wool sectors

YEARS 7 & 8
Design and Technologies,
Science and Geography

primezone
The place for all your primary industry resources
www.primezone.edu.au

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Industry School Engagement Program

Industry and School Engagement campaign, collateral and support for industry to engage with schools.

- Marketing collateral in trade magazines
- Will prompt industry to make contact with schools about forestlearning
- Aim to drive teachers to forestlearning and address teacher requirements (pedagogy)
- Opportunities to partner with industry leaders for launch
- Australian Forest Education Alliance partners providing contributions.



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Activity	Timing
New resources	Ongoing – will have 60 forestry lessons on forestlearning by 30 June 2015; with 100 by 30 June 2016. In additional promotional campaign and advertising targeting teachers
Conferences	Representation via PEIFA at National Science, Technology, Geography, Education, Principals Agriculture conferences
Updated collateral	Ready for CONASTA in July 2015 and will include trees and other collateral
Website update	September 2015 – to include small modifications and new collateral
Industry-School engagement campaign	National launch in September 2015 – with industry press campaign
Australia Forest Education Alliance Annual Meeting	Tentatively for August in either Sydney or Melbourne
PIEFA National Conference	Opportunity to feature Forest and Wood Products at Canberra conference
Research	Into the reach of forest learning with teachers – September 2015



Thank you

If you require any further information – please do not hesitate to contact me at:

tania@forestlearning.edu.au

0412 149624

Or go to:

www.forestlearning.edu.au and have a look.

Thank you

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