



## TEACHER GUIDE SECONDARY

# FOREST INDUSTRY EDUCATION CHAMPION TOOLKIT

Australians are intrinsically connected to forest landscapes. Over 17% of Australia's land surface is forested and we depend on forests in numerous ways. They supply oxygen, absorb carbon from the atmosphere and provide habitat for wildlife. If you look around the room, chances are you will see something made from wood. You may spend your weekends bushwalking or mountain bike riding or relaxing at a forest retreat. It is because of these connections that it is important for students to understand the value of forests ecologically, economically, and socially.

ForestLearning is pleased to support and assist you and your students connect with a Forest Industry Education Champion to help you to explore Australian forests and the Ultimate Renewable resource - wood. Industry Champions are professionals from within their field of forestry or wood processing and are supported by ForestLearning to host education activities such as incursions, excursions, online virtual classrooms, or other activities with schools.

This Teacher Guide aims to provide you as a secondary teacher with potential learning objectives, Australian Curriculum links and a preparation checklist to help you plan an activity with a Forest Industry Education Champion.

## LEARNING OBJECTIVES

### UNDERSTAND

- the importance of maintaining biodiversity when managing forest landscapes
- the relationship between the use of natural resources, sustainability and global systems
- the role of forests and the maintenance of ecosystem services for the future
- their personal interests, strengths, career possibilities in natural resource management and broader forest industries

## SAMPLE CURRICULUM LINKS

Depending on your Forest Industry Education Champion's profession and expertise the curriculum links may vary. The curricula table below provides some examples of connections that your activity may link to\*.

	Science	Humanities and Social Science (Geography)	Design and Technologies
Yr 7/8	<p>There are differences within and between groups of organisms; classification helps organise this diversity. (ACSSU111)</p> <p>Some of Earth's resources are renewable, but others are non-renewable. (ACSSU116)</p>	<p>The ways of protecting significant landscapes (ACHGK052)</p>	<p>Analyse how food and fibre are produced when designing managed environments and how these can become more sustainable (ACTDEK032)</p>
Yr 9/10	<p>Global systems, including the carbon cycle, rely on interactions involving the biosphere, lithosphere, hydrosphere and atmosphere. (ACSSU189)</p> <p>Ecosystems consist of communities of interdependent organisms and abiotic components of the environment; matter and energy flow through these systems. (ACSSU176)</p>	<p>The human-induced environmental changes that challenge sustainability (ACHGK070)</p> <p>The application of environmental economic and social criteria in evaluating management responses to the change (ACHGK075)</p>	<p>Explain how products, services and environments evolve with consideration of preferred futures and the impact of emerging technologies on design decisions (ACTEK041)</p> <p>Investigate and make judgments on the ethical and sustainable production and marketing of food and fibre (ACTDEK044)</p>

\*Please also refer to your State or Territory curriculum for further links.

## PREPARING FOR YOUR FOREST INDUSTRY EDUCATION CHAMPION INCURSION/EXCURSION

### At least two weeks prior

- During the planning process ensure you make the Forest Industry Education Champion aware of your learning goals, student needs and interests.
- Communicate the date, time, class size and meeting space to your Forest Industry Education Champion.
- To help your class to prepare for the visit, talk through what you might hear from the Forest Industry Education Champion and as a class generate some questions to ask on the day. You could also supply these questions to the Forest Industry Education Champion prior to the day to help them to prepare.

### Few days prior

- Confirm with the Forest Industry Education Champion the day, time and location to meet and any additional needs they may have.
- Test the technology if you are running a virtual classroom.

### During the activity

- Remember the Forest Industry Education Champion is not a teacher. To maximise the learning potential, engaging in the experience with your students is important. You are responsible for the behaviour management of your class.
- For face to face activities, it will be much easier for the Forest Industry Education Champion to connect with the group if you can provide the students with name tags.
- Get a camera ready...Your Forest Industry Education Champion would appreciate a few photos, ensuring all students photographed have the necessary photo permissions.


### After the session

- Your class could reconnect with the Forest Industry Education Champion a week after the activity to run a short reflection exercise, revising the session and allowing for deeper questions and student reflections.

For further information or questions, please contact the ForestLearning Program Manager

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