



15 Minute  
Farmer  
Time

## TEACHER OVERVIEW

# From Forest to Fibre



## Outcomes:

- Investigate how and why food and fibre are produced in managed environments. ([VCDSTC035](#))
- Investigate characteristics and properties of a range of materials, systems, components, tools and equipment and evaluate the impact of their use. ([VCDSTC037](#))
- Generate, develop, communicate and document design ideas and processes for audiences using appropriate technical terms and graphical representation techniques. ([VCDSCD039](#))
- Apply safe procedures when using a variety of materials, components, tools, equipment and techniques to produce designed solutions. ([VCDSCD040](#))
- Negotiate criteria for success that include consideration of environmental and social sustainability to evaluate design ideas, processes and solutions. ([VCDSCD041](#))
- Living things have structural features and adaptations that help them to survive in their environment. ([VCSSU074](#))
- The growth and survival of living things are affected by the physical conditions of their environment. ([VCSSU075](#))

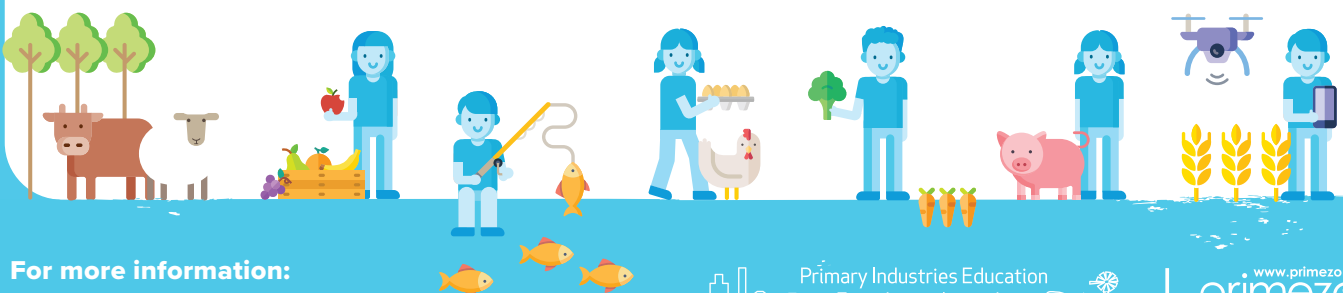
## Lesson Description:

This 15-Minute Forester Time explores sustainable practices in forestry, the many uses of timber in our society and the journey from forest to fibre. Students will have the opportunity to hear first-hand from Victorian forester, Kent, about his role managing forest ecosystems, and develop an understanding of the ways timber is being used as a sustainable material for design. Students will have the opportunity to complete a series of guided tasks to explore adaptations in trees, the process of transpiration, and the uses of wood products in modern and traditional societies.

## Resources:

- Internet/computer access for provided links
- Printable *Design Template Worksheet*
- Printable *Flowchart Worksheet* (optional)
- Printable *Transpiration Observation Worksheet*
- Plastic bag
- Elastic band
- Assorted design materials (suggestions: paper, cork, sticks, cardboard, string, paper plates/bowls, decorative materials)
- Scissors
- Glue

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## Activity Sequence:

- Activity 1: Farmer Profile Read or Listen Task
- Activity 2: VIC Forester Time Video
- Activity 3: Create a Flowchart
- Activity 4: Timber Products in our Daily Lives Exploration
- Activity 5: Sustainable Toy Design Challenge
- Activity 6: 'Odd One Out' Observation
- Activity 7: Transpiration Investigation

## Links:

- Farmer Kent's Profile: <https://farmertime.com.au/wp-content/uploads/2022/02/Farmer-Profiles-1.pdf>
- VIC Forester Time – Sustainable Forestry with Forester Kent: <https://youtu.be/opFkneJT69Q>
- Printable Flowchart Template: <https://farmertime.com.au/wp-content/uploads/2022/02/Flowchart-template.pdf>
- Design Challenge Video Instructions: [https://youtu.be/O\\_H6-NIFvdI](https://youtu.be/O_H6-NIFvdI)
- Printable Design Template Activity Sheet: <https://farmertime.com.au/wp-content/uploads/2022/02/5.1-Design-Template-Worksheet-.pdf>
- Transpiration Investigation Video Instructions: <https://youtu.be/daiO-7p6468>
- Printable Transpiration Investigation Record Sheet: <https://farmertime.com.au/wp-content/uploads/2022/02/Transpiration-observation.pdf>

