



STORM & FLOOD INDUSTRY
RECOVERY PROGRAM

A project of the Primary Industries
Education Foundation Australia

KNOWING AND GROWING: INTEGRATING FOOD AND FIBRE IN THE CLASSROOM



Presented by:
Sharon O’Kane | Project Officer



piefa.edu.au/sfirp



ACKNOWLEDGEMENT OF COUNTRY

PIEFA acknowledges Traditional Owners of Country throughout Australia and recognises the continuing connection to lands, waters and communities. We pay our respect to Aboriginal and Torres Strait Islander cultures; and to Elders past and present.

KNOWING AND GROWING PROGRAM

TIME	PRESENTER	DETAILS
4:00 to 4:05	Sharon O’Kane	Acknowledgement of Country Introduction – Welcome Housekeeping: timing, recording, volume on mute, QR and Q&A during/and end/ type in comments
4:05 to 4:20	Duncan Kendall Head of Education Royal Agricultural Society of NSW	“Cultivating Careers in Ag: Through curriculum, how can we encourage students to consider a career in Agriculture?”
4:20 to 4:35	Sharon O’Kane	PIEFA Resources – Healthy Living Soils Years 7-10, Farmer Time Experts In The Field - Exploring Drones In Agriculture, Career Harvest, Rachel’s Farm
4:35 to 4:50	Megs Dunford Schools Program Officer NSW Department of Primary Industries	“Soils in the curriculum”
4:50 to 5:00	Sharon O’Kane	Conclusion – Feedback survey (5mins) Questions time permitting





PIEFA'S VISION AND MISSION

Our Vision

Value of Australian food and fibre production is embedded in the national psyche.

Our Mission

Engage Australian schools and community through education of food and fibre production and careers.



PIEFA'S PROGRAMS

Enhancing food and fibre education and career pathways for young Australians.



www.primezone.edu.au
primezone
The place for all your food and fibre resources

Curriculum-aligned, Australian farming, fishing & forestry classroom lessons for F - 12.

primezone.edu.au



primezone
ACADEMY
Student Food & Fibre eLearning Courses.

An eLearning portal providing access to food and fibre courses for students.

primezoneacademy.edu.au



Farmer Time

K-12 students connect with a farmer, fisher or forester, ask questions and take a virtual tour.

farmertime.com.au



CAREER HARVEST

Primary industries careers information, including courses, scholarships & pathways.

careerharvest.com.au



PIEFA
The leader in food and fibre education.
SFIRP
STORM & FLOOD INDUSTRY RECOVERY PROGRAM
A project of the Primary Industries Education Foundation Australia

Online teacher forums, SFIRP PD opportunities, and newsletter sign-up.

piefa.edu.au

SFIRP
STORM & FLOOD INDUSTRY RECOVERY PROGRAM

PIEFA
The leader in food and fibre education.

KNOWING GROWING

Healthy Living Soils – Growing Better Food and Fibre

HOME TEACHERS STUDENTS PRIMEZONE PIEFA

Healthy Living Soils

Australian soil-based, curriculum linked resources for both teachers and students targeting Year 7-10 Science, Geography, and Design & Technologies.

Learn more about our valuable and productive Australian soils featuring hands-on practical tasks, collaborative activities, research opportunities, video content, case studies and suggested answers to support and engage teachers and students.

TEACHERS

STUDENTS

www.healthylivingsoils.com.au



MURNONG

ABC

Education

Home Subjects & Topics Games Teacher News BTN TV Guide

ABC TV | ABC iView
Education on ABC iView →

Murnong

Posted 19 Aug 2021, updated 28 Jan 2022



WATCH
3m 54s

Murnong

WORKSHEET 7.4a FIRST NATIONS AUSTRALIANS AND SOIL YEAR 7-10

Murnong Yam Daisy – Bookmark Templates

Create bookmarks on the templates below summarising interesting information about the **Murnong**, or **yam daisy** and the social enterprise **Black Duck Foods**. The bookmarks should be designed to educate others about farming First Nations Australian bush foods, focusing on the Murnong. Give each bookmark a **title** and draw or glue **images** at the top of the bookmarks and **write the information** below your picture.

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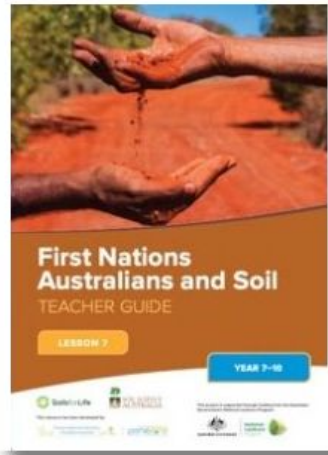
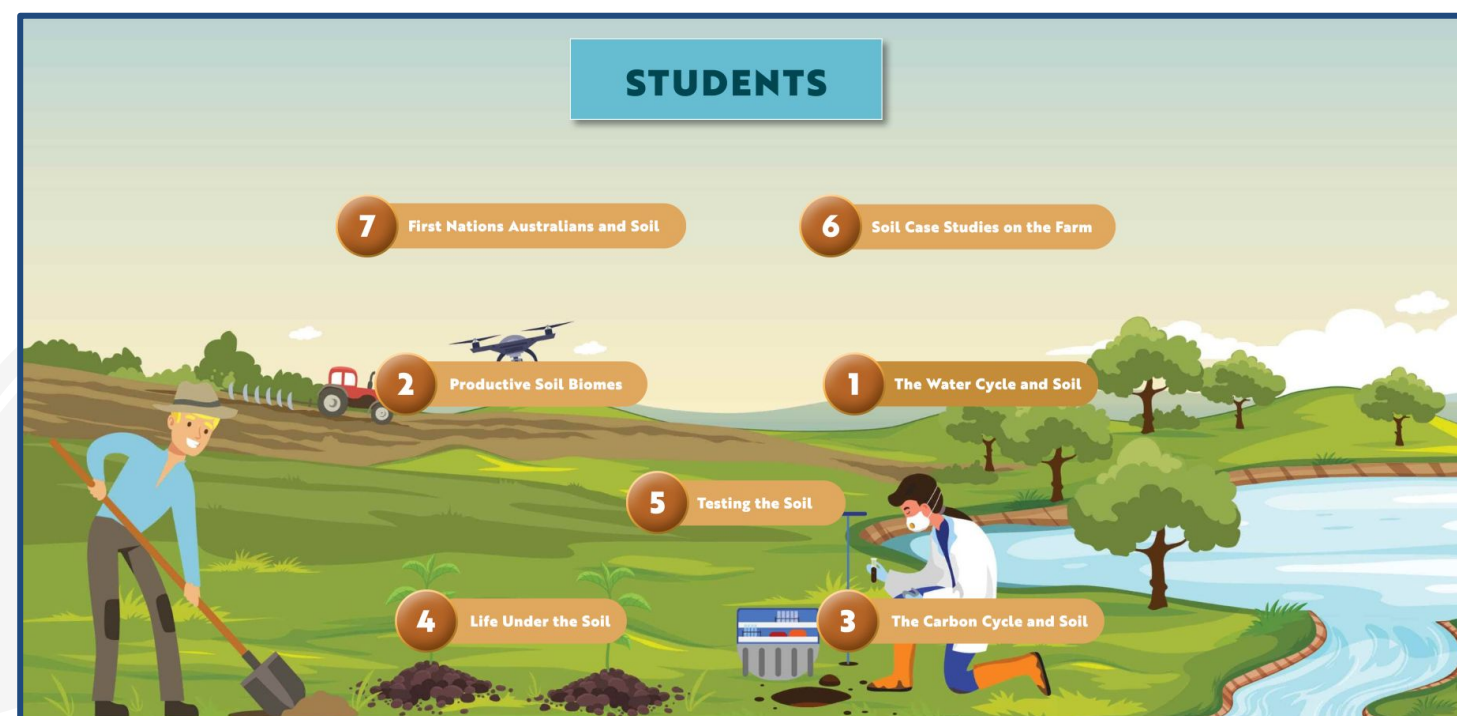
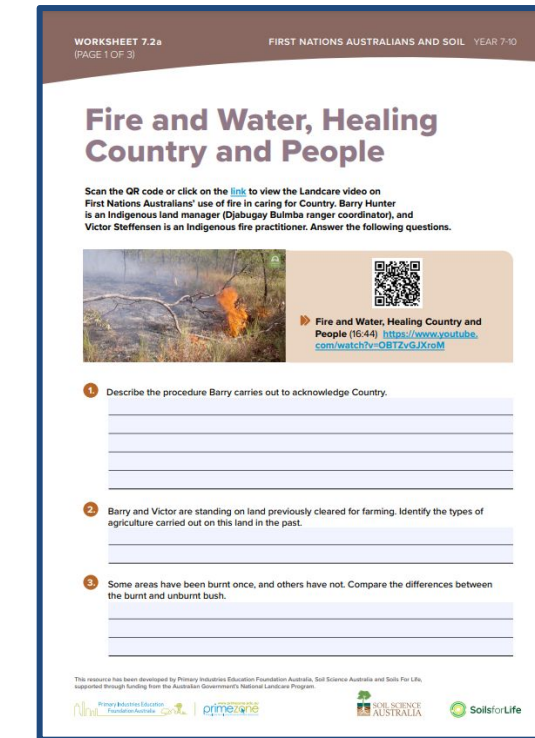
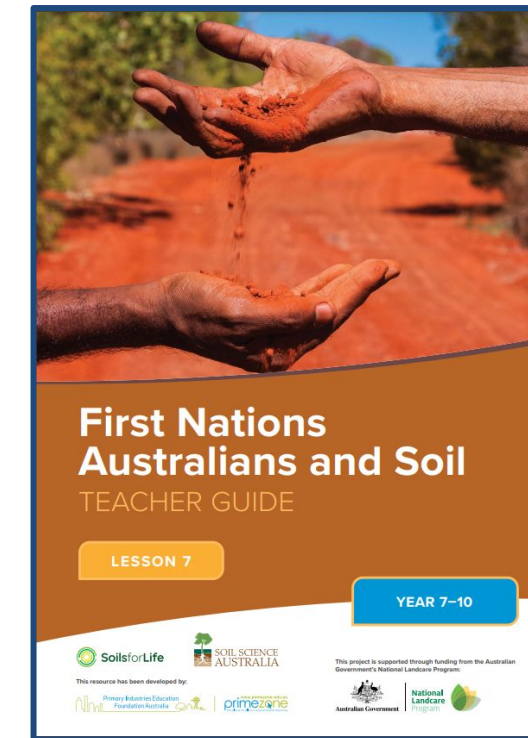
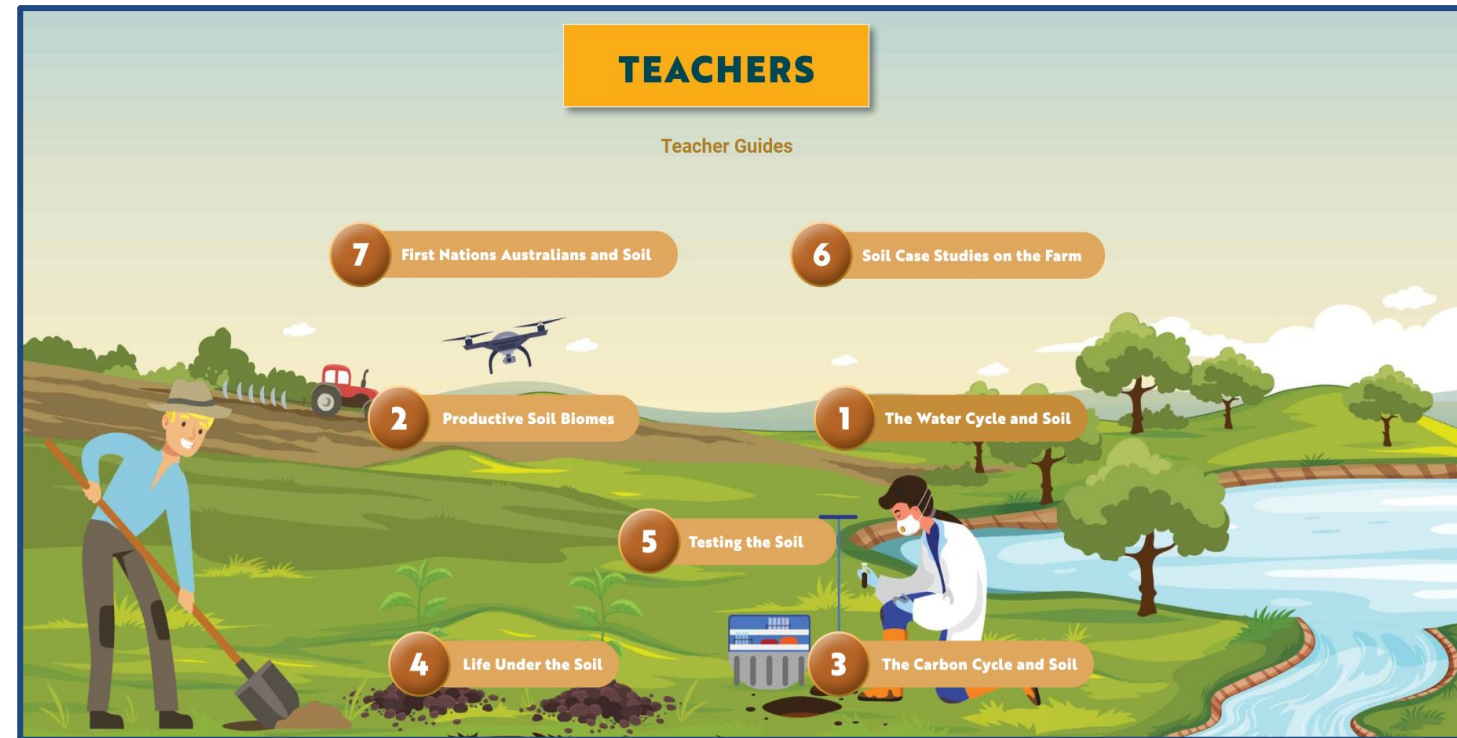
This resource has been developed by Primary Industries Education Foundation Australia, Soil Science Australia and Soils For Life, supported through funding from the Australian Government's National Landcare Program.

Primary Industries Education Foundation Australia | primezone | SOIL SCIENCE AUSTRALIA | SoilsforLife

Teacher & Student Guides

First Nation Australians and Soil

• Lesson 7



Lesson 7- First Nations Australians and Soil

In this lesson, you will learn about First Nations Australians' past, present and future use of fire to care for Country and manage the land.

You will learn about the influence of fire on Australian native plants and design and conduct an experiment to test the effect of one aspect of fire on the germination of native seeds.

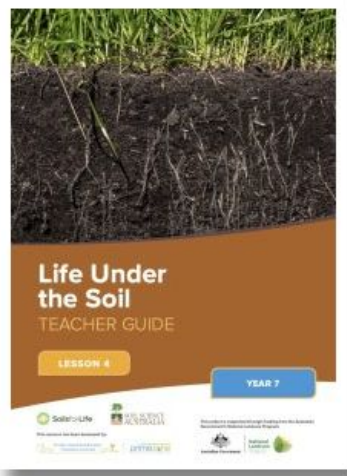
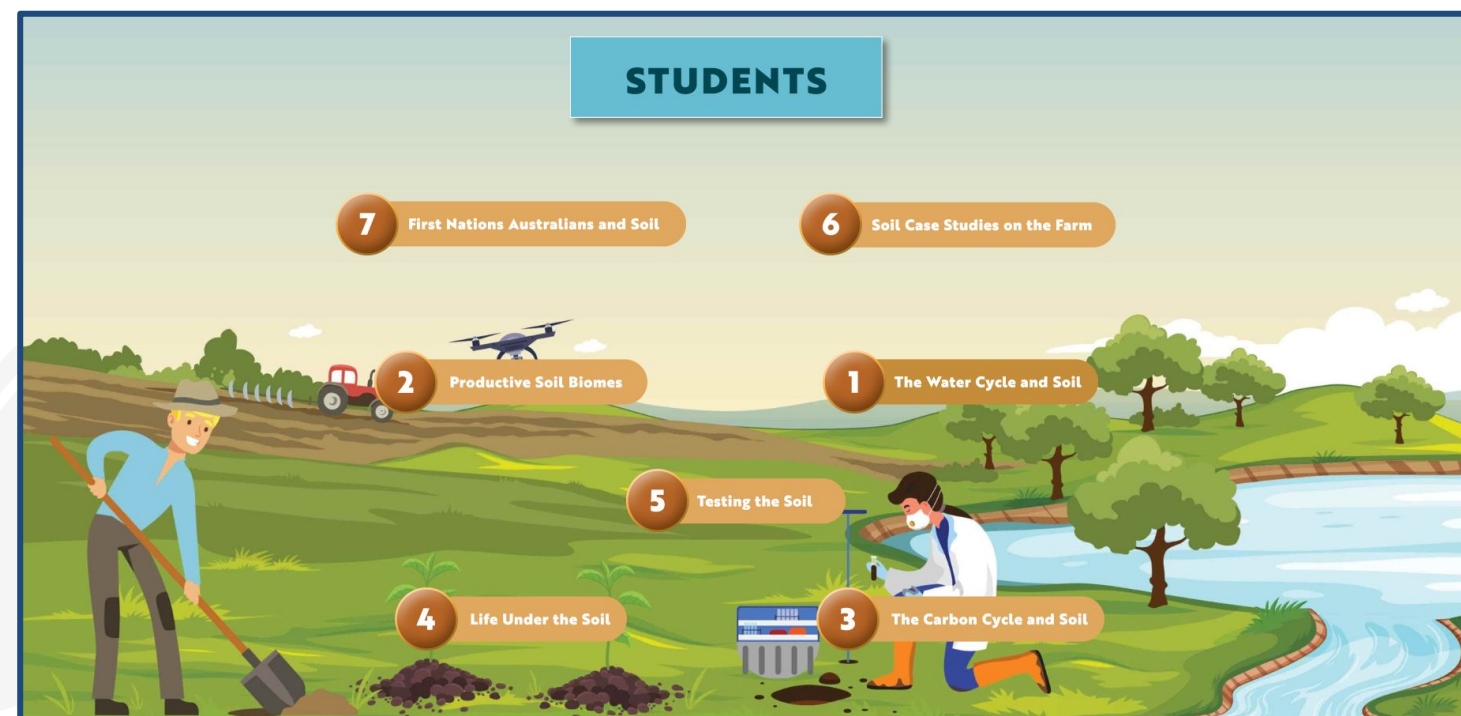
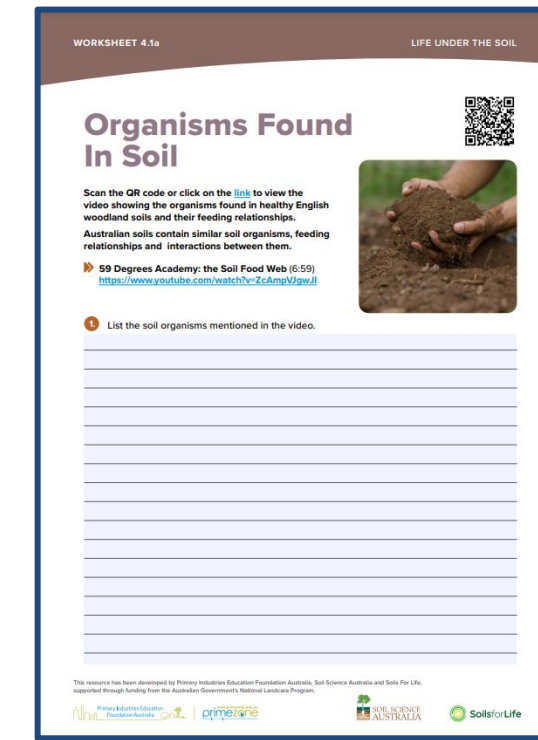
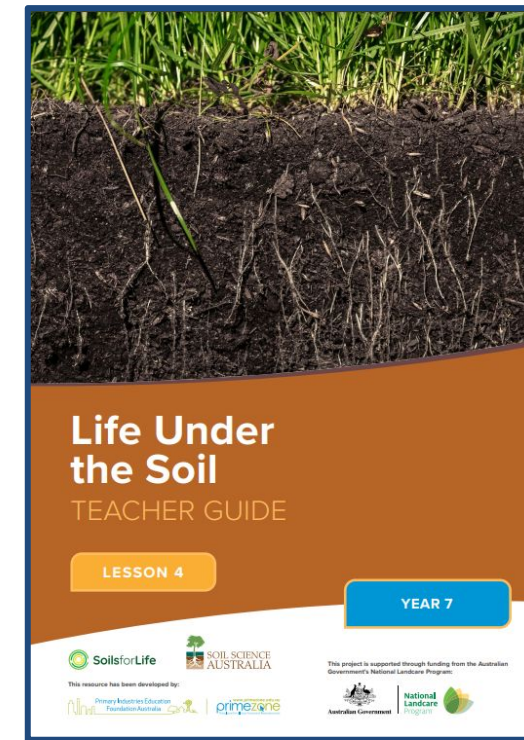
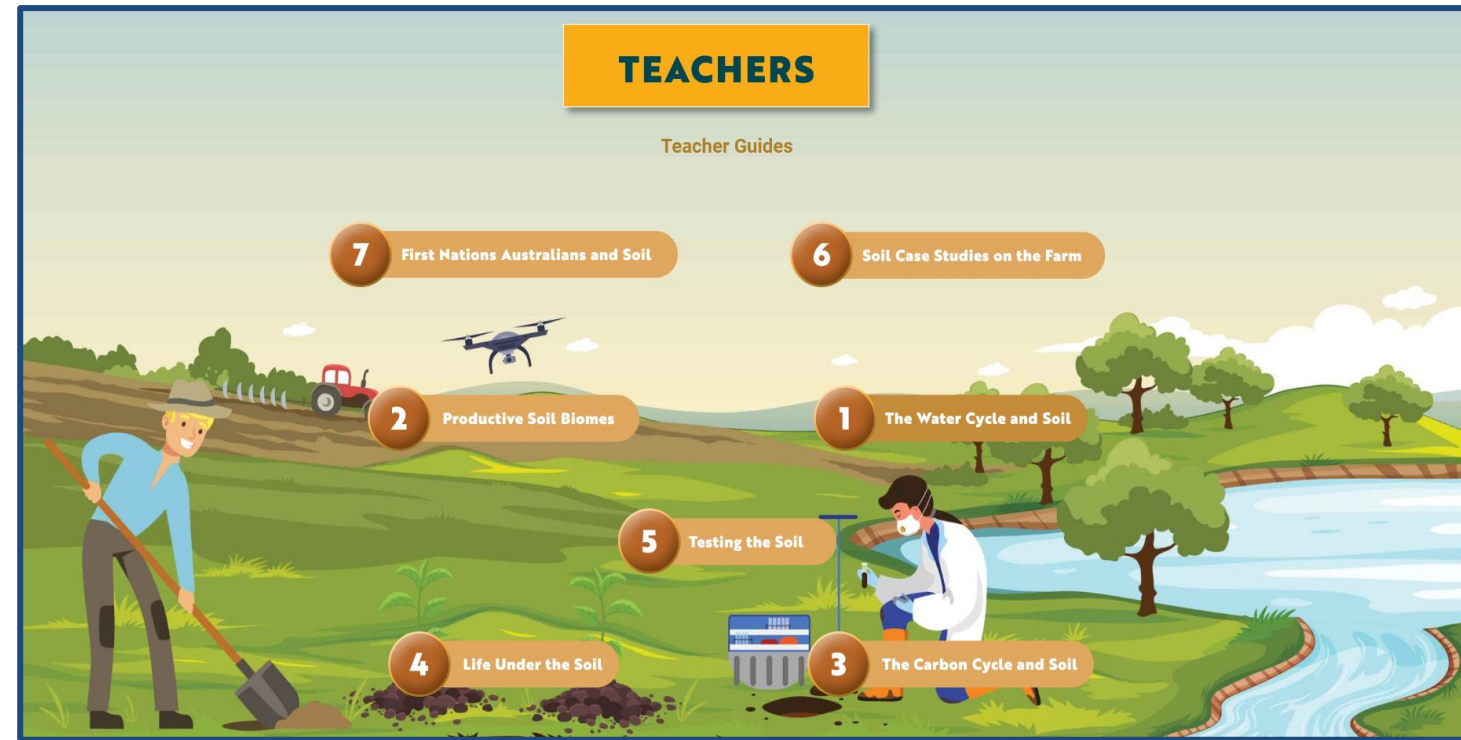
You will also examine the sustainable farming of the Murnong as a case study of producing First Nations Australians' food.



Teacher & Student Guides

Life Under the Soil

• Lesson 4



Lesson 4 - Life Under the Soil

You will construct and interpret food chains and food webs that occur within Australian soils. You'll examine the flow of matter and energy and learn about the feeding relationships between predators, prey, producers, and consumers found in Australian soil.

You will determine the effects of changes in populations of organisms if there is disruption of abiotic and biotic factors and isolate and examine organisms from local soil samples under microscopes or lenses. And also learn about the role of soil scientists and the interesting things they have discovered.

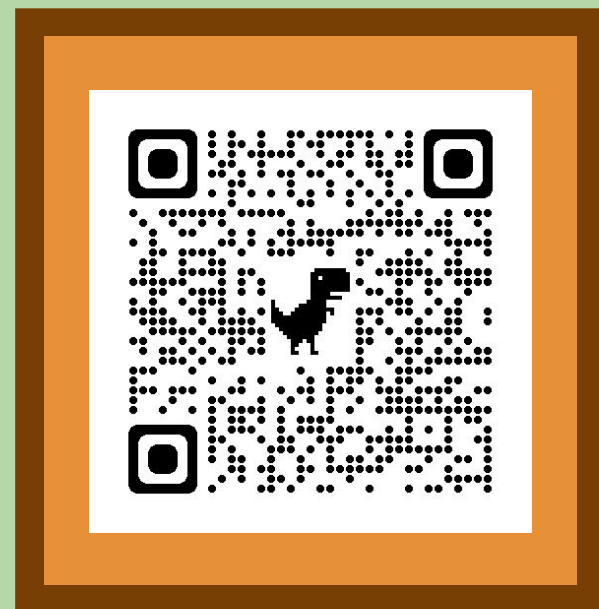
This resource will encourage you to see the wide variety of life below their feet and how vital living soil is for all organisms on Earth.



QR's and Q&A's

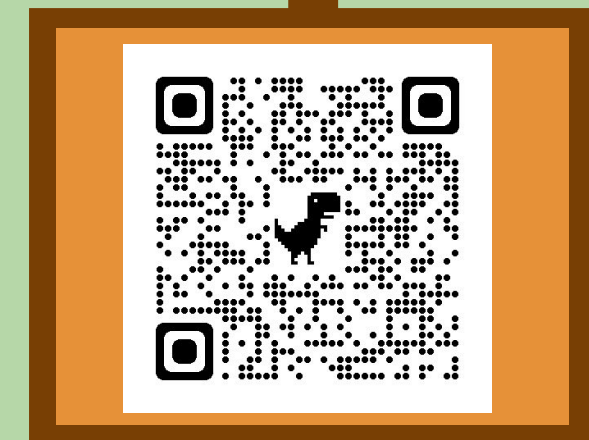
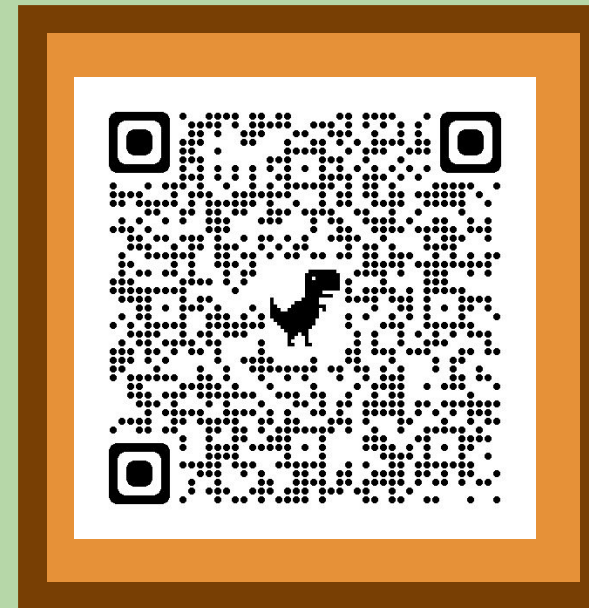


Healthy Living Soils

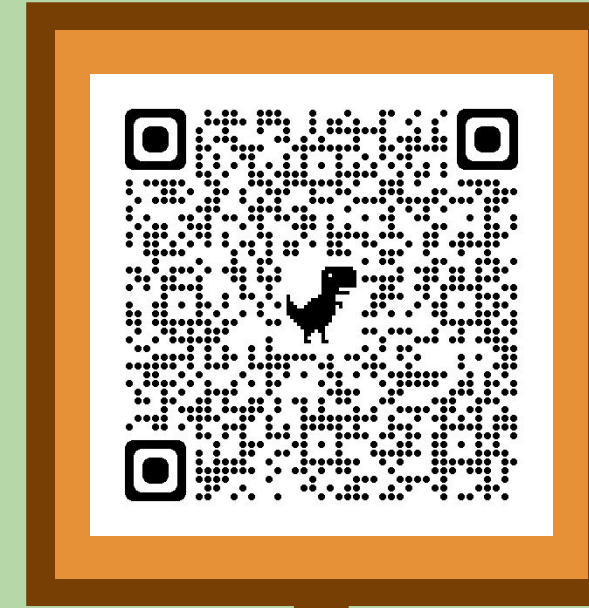


Murnong video

Teacher: #7
First Nation
Australians
and Soil



Student: #7
First Nation
Australians
and Soil



Teacher: #4
Life Under
the Soil




Student: #4
Life Under
the Soil



Farmer Time | Experts In The Field

Farmer Time | Experts In The Field – Exploring Drones In Agriculture



SUBJECT
Agriculture
Design & Technology
Science

AC CODE 8.4
AC CODE 9.0
ES4, LWS, LW2, AG4-2, AG5-2, AG4-8, AG4-9, AGL5-7, ACL5-10, AG4-12, AC957H03, AC958H03, AC959H02, AC9510H02, AC959H03, AC9510H03, AC9TDEBK01, AC9TDEBK02, AC9TDEBK04, AC9TDE10K01, AC9TDE10K02, AC9TDE10K04

TYPE
PDF Worksheet, Video

YEAR
7 - 10

STATE
QLD, NSW, VIC, SA, NT, ACT, TAS, WA

Farmer Time | Experts In The Field – Exploring Drones in Agriculture


Farmer Time | Experts In The Field three part series: *Exploring Drones in Agriculture*, is available now! This series provides an excellent opportunity for students and teachers to engage with four experts and how they use emerging drone technology in agriculture.


Students will engage with the experts, focusing on the innovative ways drone technology in agriculture is used to improve efficiency, sustainability, and precision farming practices.

The *Farmer Time | Experts In The Field* project focuses on developing students' knowledge and appreciation of Australian agricultural production and the impacts of drone technology on the ongoing development of agriculture in the country.

Our three *Experts In The Field* episodes highlight the influences of current and emerging technologies on local environments, fostering responsible decision-making and judgment in adopting sustainable management practices.


Episode 1: Drones On Farms



Experts In The Field - Exploring Drones In Agriculture, Episode 1: Dro...
Watch on  YouTube

Farmer Time
Farmers In The Field | Episode 1: Drones On Farms

[Download resource](#)




Farmer Time | Experts In The Field
Exploring Drones In Agriculture

TEACHER GUIDE
Episode 2: AgTech - Drones

YEAR 7-10

This resource has been developed by:




EXPERTS IN THE FIELD

CHRIS WARRIOR
DOOKIE, YORTA YORTA COUNTRY

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Career Harvest

CAREER HARVEST Find a Career in Agriculture

HOME CAREERS SCHOLARSHIPS AgCAREERSTART AG JOBS CAREER VIDEOS TEACHERS CONTACT




Agronomist – Research

Plan, execute and document plant field trials/research.

CAREER HARVEST Find a Career in Agriculture

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Agronomist Manager

Manage a team of agronomists responsible for decisions regarding crop husbandry and crop rotation.

CAREER HARVEST Find a Career in Agriculture

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Botanist

Botanist Studies the anatomy, physiology, biochemistry and ecology of plants.

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Ecologist

Studies and develops policies and plans for the control of factors which may produce pollution, imbalance in or degradation of the environment.

CAREER HARVEST Find a Career in Agriculture

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Forestry Researcher

Perform analysis and research to assist in development and management of forestry plantations.



PIEFA/ SFIRP Teaching Resources



Link
<https://theregenerators.org/rachels-farm/education/>

Free virtual educator screenings in October & November

Join us for a free virtual educator screening of *Rachel's Farm* on 14 November, presented in partnership with Cool.org.

- **Register for 14 Nov 7:15 pm (AEDT)** (our 10 Oct event has been postponed to the new date of 14 Nov)

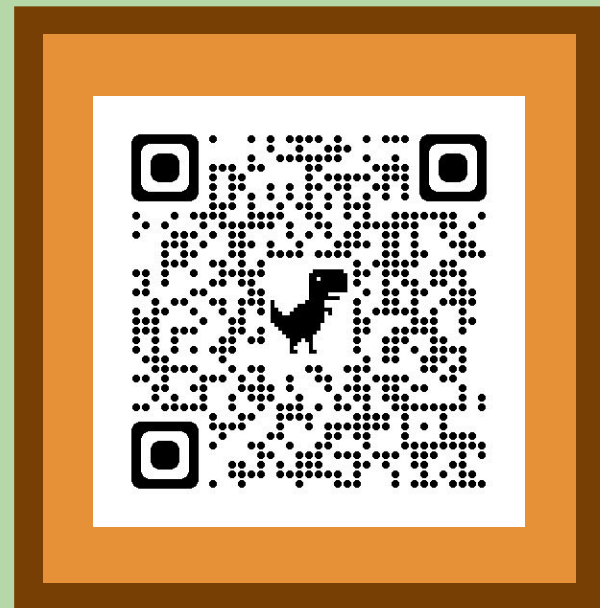
These special screenings for educators in Australia and Aotearoa New Zealand will feature a Q&A with the filmmaker Rachel Ward, the Regen Studios impact campaign team, and teaching resource experts Cool.org. Join us to watch the film and learn about the free education materials that have been developed to support educational screenings in a variety of settings from primary and secondary school, to agricultural colleges and TAFEs, and community education settings.



ACER SURVEY



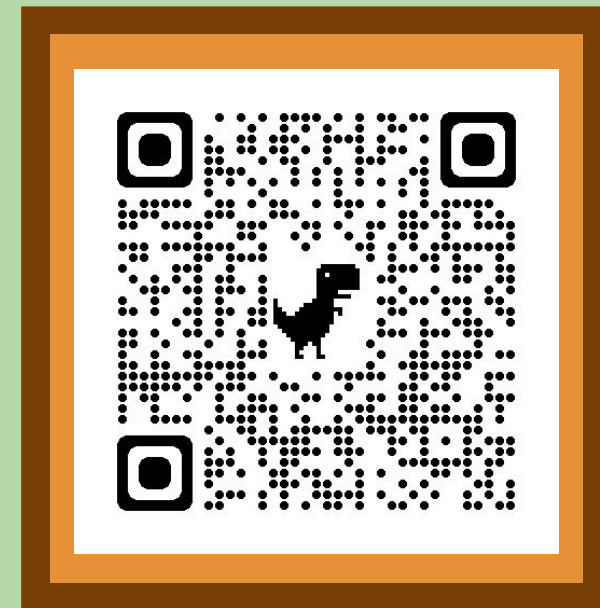
QR's and Q&A's



Farmer Time |
Experts In The Field



Career Harvest



PIEFA/ SFIRP resource:
Rachel's Farm



National Ag Week 2023



ATTRIBUTION, CREDIT & SHARING



This resource was produced by Primary Industries Education Foundation Australia (PIEFA) in collaboration with **Australian Government | National Landcare Program, Soil Science Australia and Soils For Life**. Primary Industries Education Foundation Australia's resources support and facilitate effective teaching and learning about Australia's food and food industries. We are grateful for the support of our industry and member organisations for assisting in our research efforts and providing industry-specific information and imagery to benefit the development and accuracy of this educational resource.



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Thank you for attending

Sharon O'Kane

Project Officer | Storm and Flood Industry Recovery Program

Primary Industries Education Foundation Australia (PIEFA)



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