

Sustainability Across the Curriculum



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Learn for life













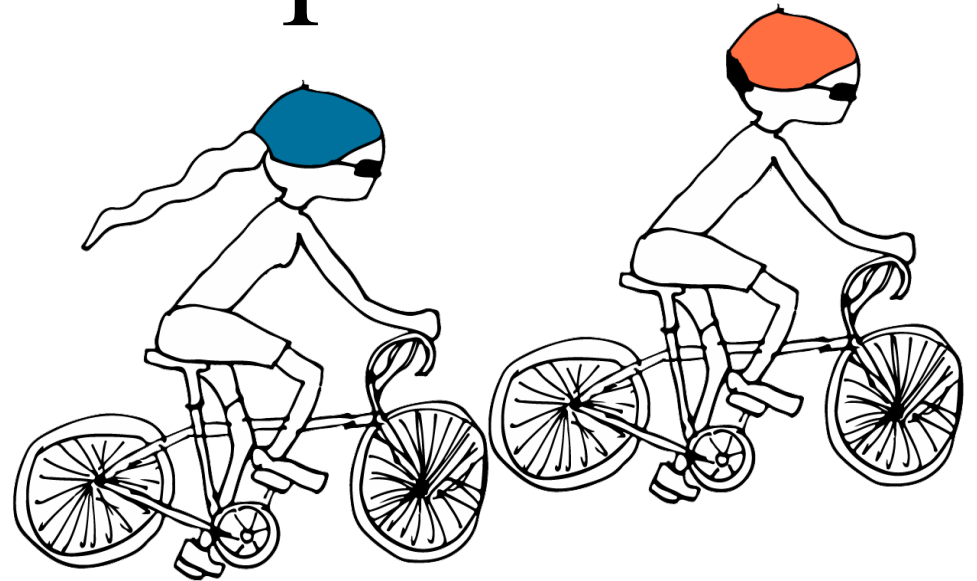


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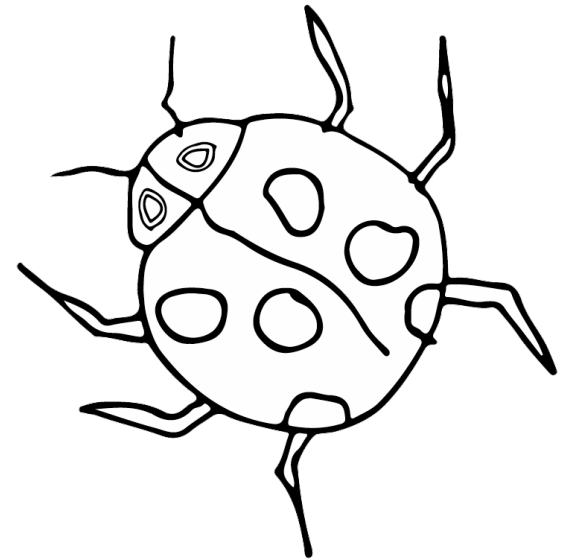
Learning Intentions

Know more about sustainability and the pillars of sustainable development.



Learning Intentions

Understand how
sustainability fits in
Geography in the NSW
Syllabus.



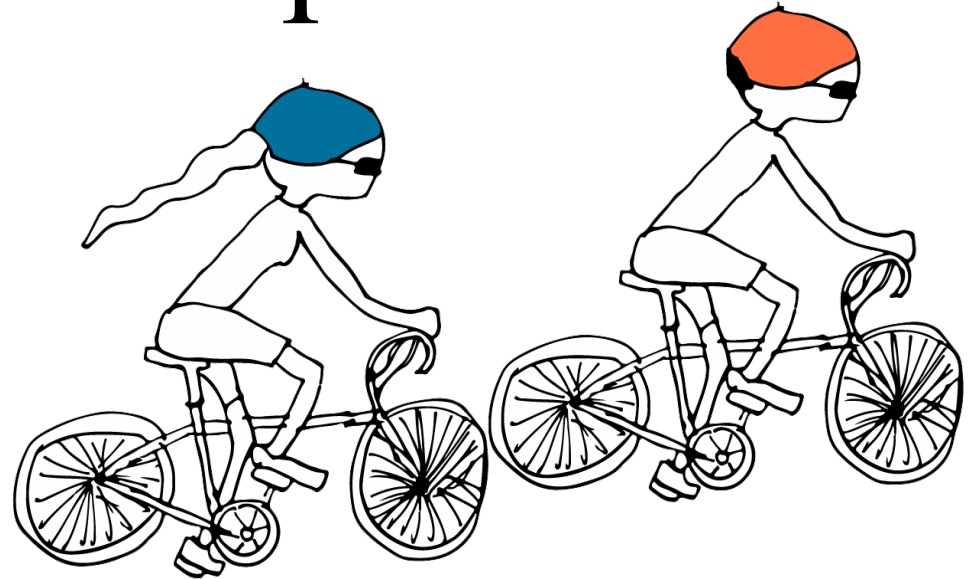
Learning Intentions

Be able to access a range of teaching resources that enrich your Geography curriculum.



Let's start here...

Know more about
sustainability and the pillars
of sustainable development.



50 years of change

1917

1957



1917 – Cnr Pitt and Market Street



1927 – Railway Square



1937 – Martin Place



1938 – School education



1947 – AWA Tower and Wynyard

Park



1957 – North Sydney



From this...



HER MAJESTY'S THEATRE SYDNEY 1855

KERRY, PHOTO. SYDNEY.

... to this. In 50 years.



Imagine what will
happen...

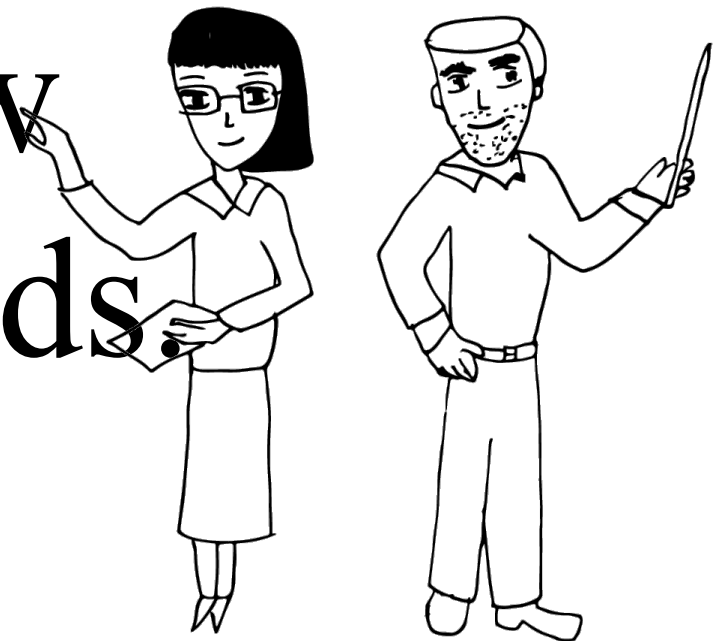
2017

2057



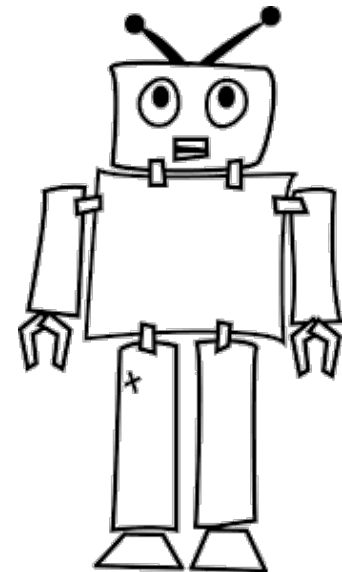
One of education's
greatest challenges is our
quickly changing world.

And we don't know
what the future holds.



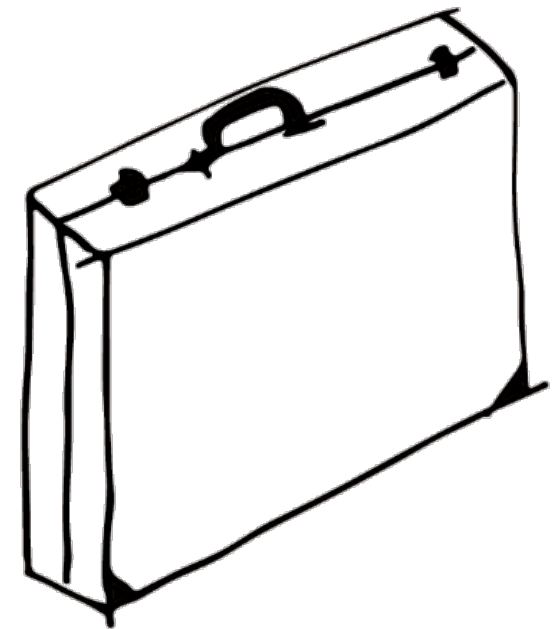
“90% of the products,
services and technologies
that will be
in markets in 2050
do not yet exist”

Peter Ellyard – Australia's most prominent futurist



Our children will have an average of 17 jobs and 5 different careers over their lifetime.

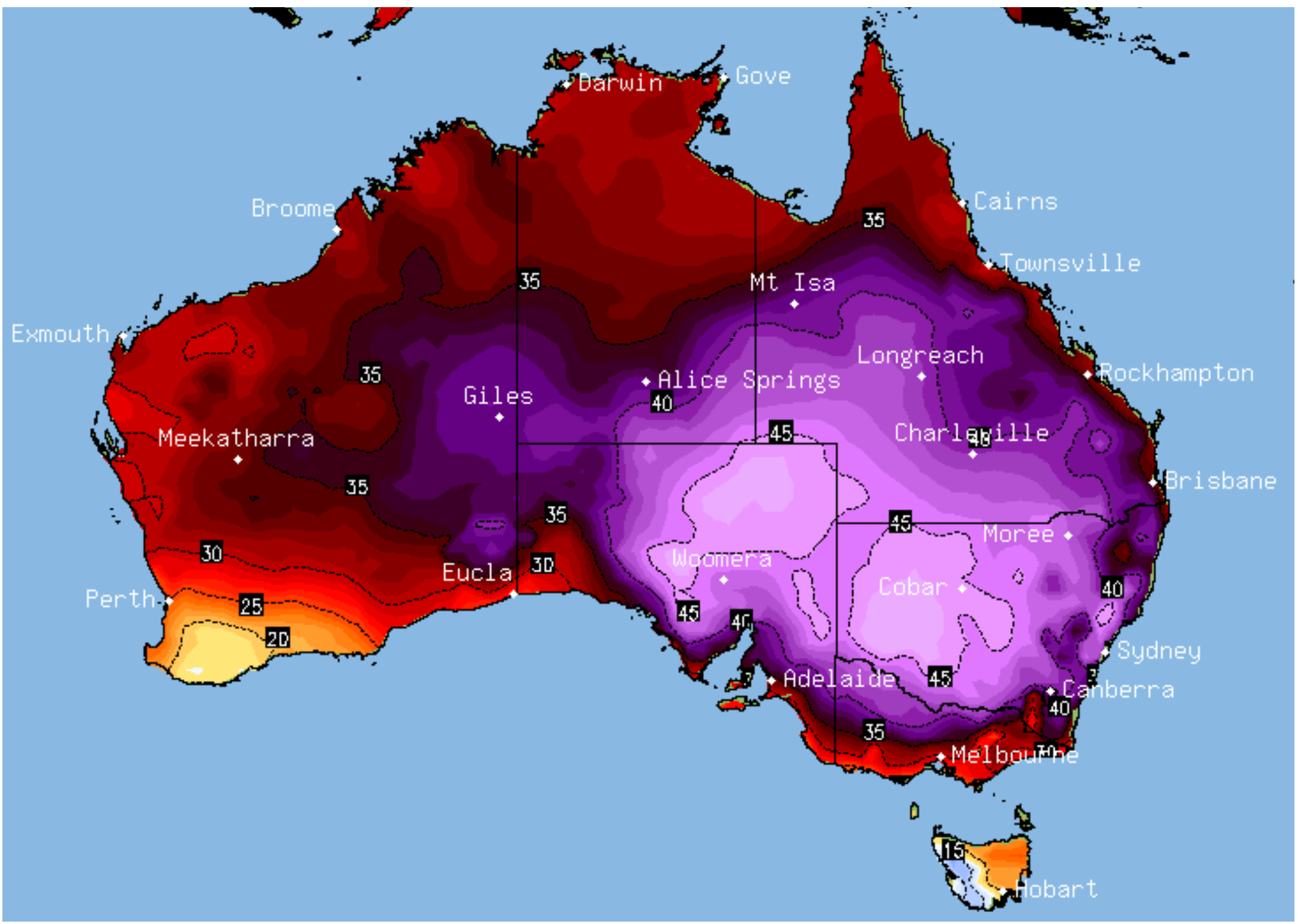
(Foundation for Young Australians)



15% of new Google employees
are not to have uni degrees

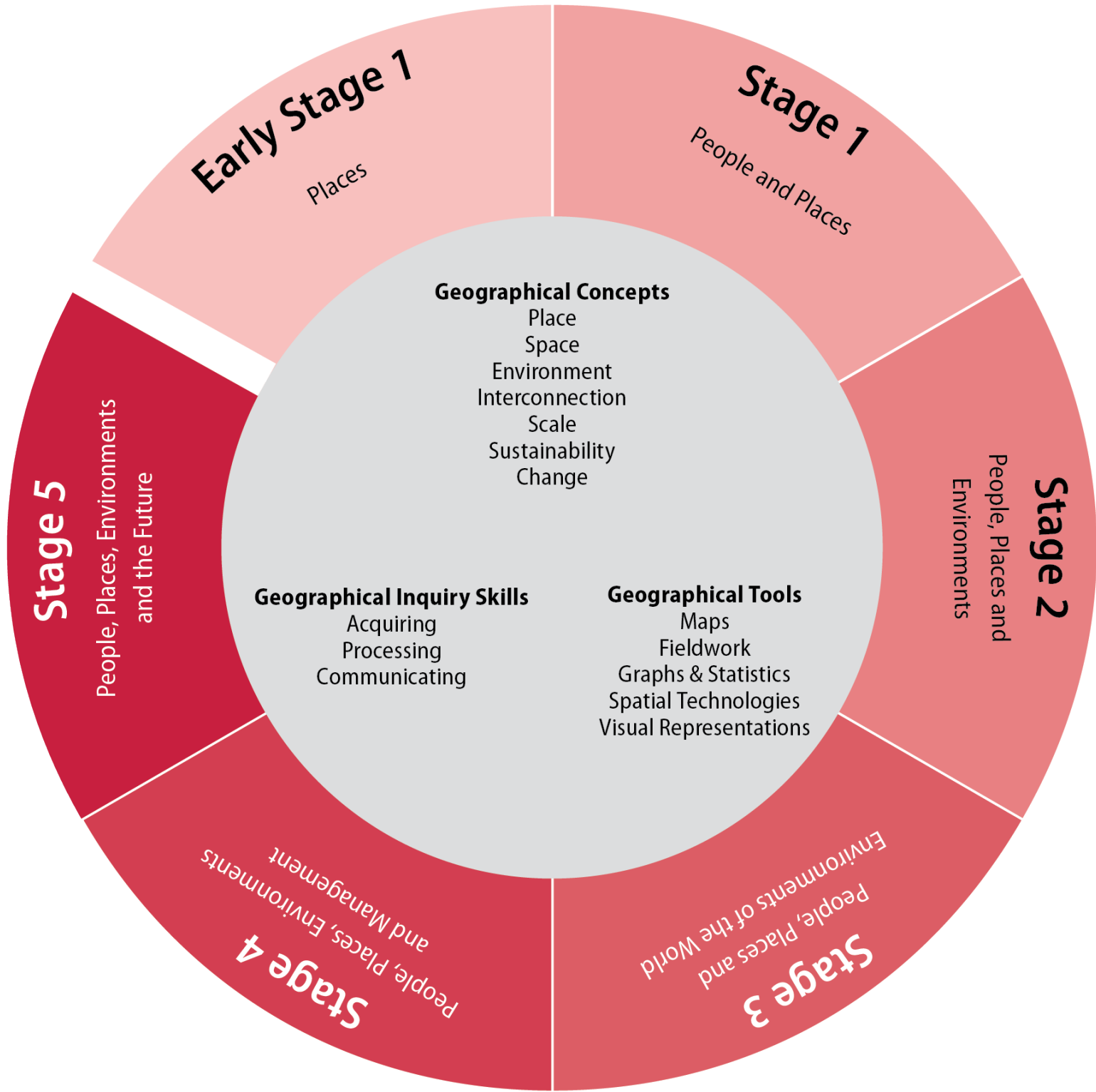






... for whatever the future brings.







sustainability



All

Images

News

Videos

Books

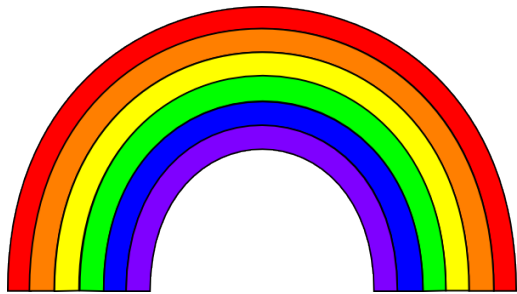
More ▾

Search tools

About 168,000,000 results (0.59 seconds)

What is sustainability?

Colour



Symbo



Image



More than recycling and solar panels



“Meets the needs of the
present without
compromising
the ability of future
generations to meet their
own needs.”





Planet



People



Profit

PLANET – the Earth's systems



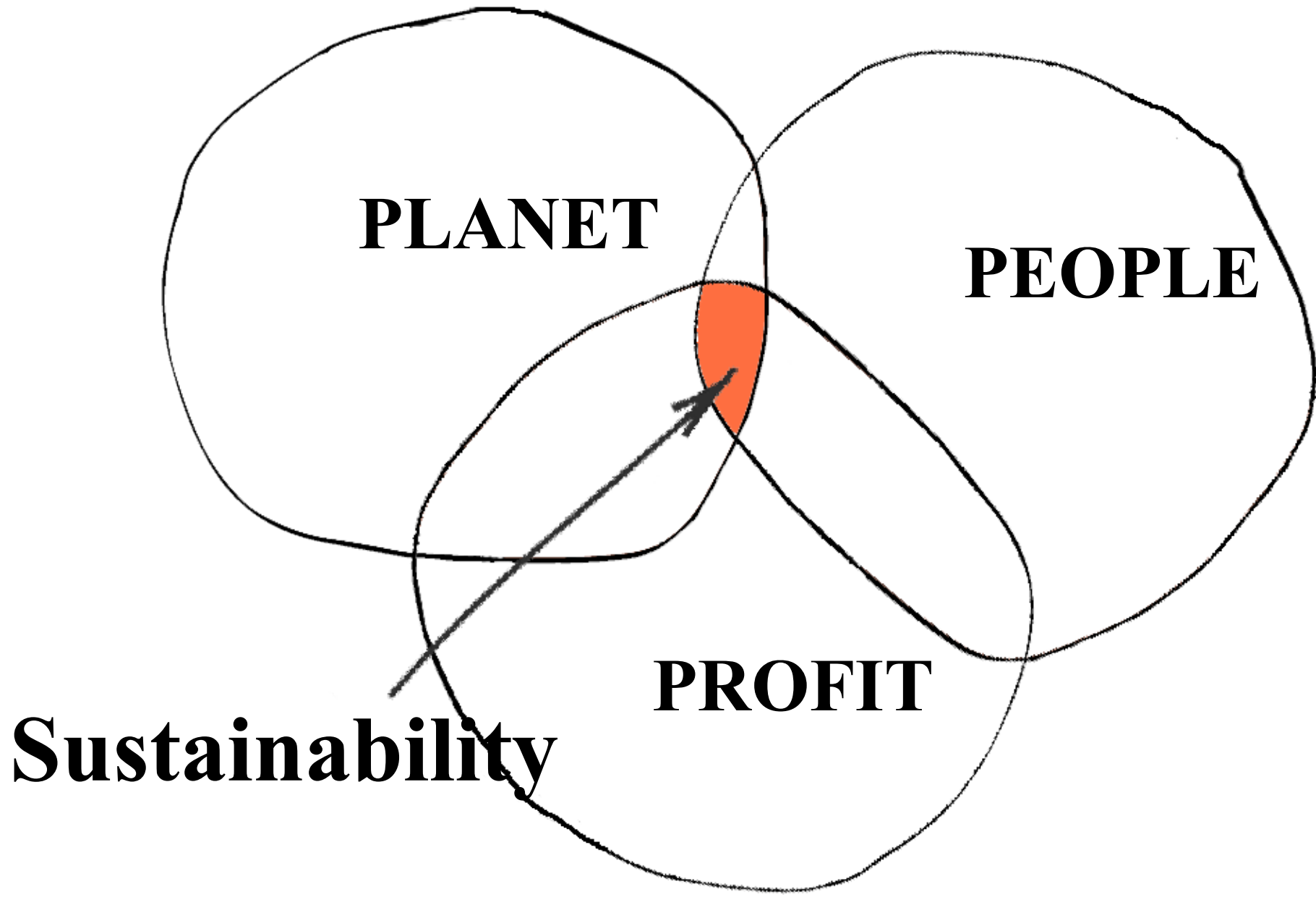
PEOPLE – social systems



PROFIT – economic systems









SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY

2 ZERO HUNGER

3 GOOD HEALTH AND WELL-BEING

4 QUALITY EDUCATION

5 GENDER EQUALITY

6 CLEAN WATER AND SANITATION

7 AFFORDABLE AND CLEAN ENERGY

8 DECENT WORK AND ECONOMIC GROWTH

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

10 REDUCED INEQUALITIES

11 SUSTAINABLE CITIES AND COMMUNITIES

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

13 CLIMATE ACTION

14 LIFE BELOW WATER

15 LIFE ON LAND

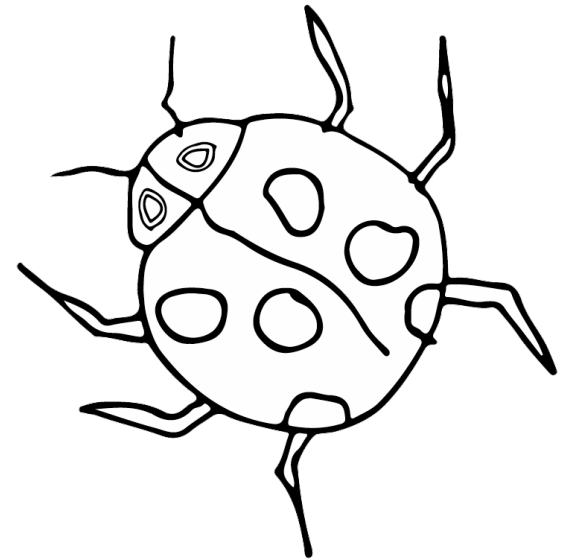
16 PEACE, JUSTICE AND STRONG INSTITUTIONS

17 PARTNERSHIPS FOR THE GOALS


SUSTAINABLE DEVELOPMENT GOALS

Up next...

Understand how
sustainability fits in
Geography in the NSW
Syllabus.



Geography Stage Statements





Planet



People



Profit

Stage 3

“They explain interactions between people, places and environments and identify factors influencing interconnections”.



Stage 4

“They investigate environmental change and differences in human wellbeing and discuss strategies for addressing geographical challenges, taking into account environmental, economic and social factors”



Stage 5

“They explore alternative views to geographical challenges and assess strategies to address challenges using environmental, social and economic criteria”



Stage 4 – Landscapes and Landforms



Inquiry Questions

What environmental and human processes form and transform landscapes and landforms?

To what extent are landscapes and landforms sustainably managed and



Opportunities to go across the curriculum



Inquiry Questions

What environmental and human processes form and transform landscapes and landforms?

To what extent are landscapes and landforms sustainably managed and



Stage 4 Science

“The structure and function of living things to their classification, survival and reproduction”



Stage 4 PDHPE

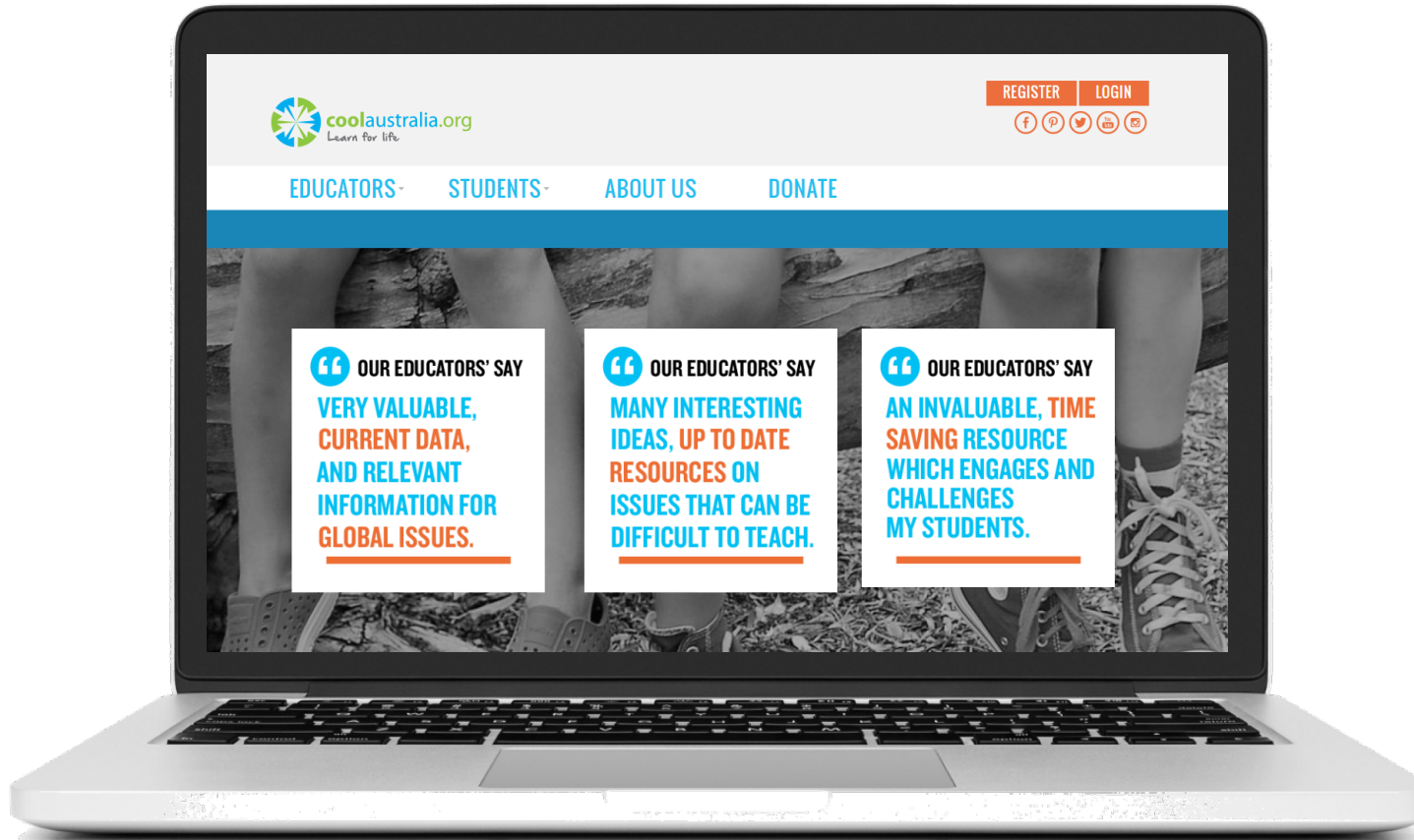
“A student describes the nature of health and analyses how health issues may impact on young people”.



Up next...

Be able to access a range of teaching resources that enrich your Geography curriculum.



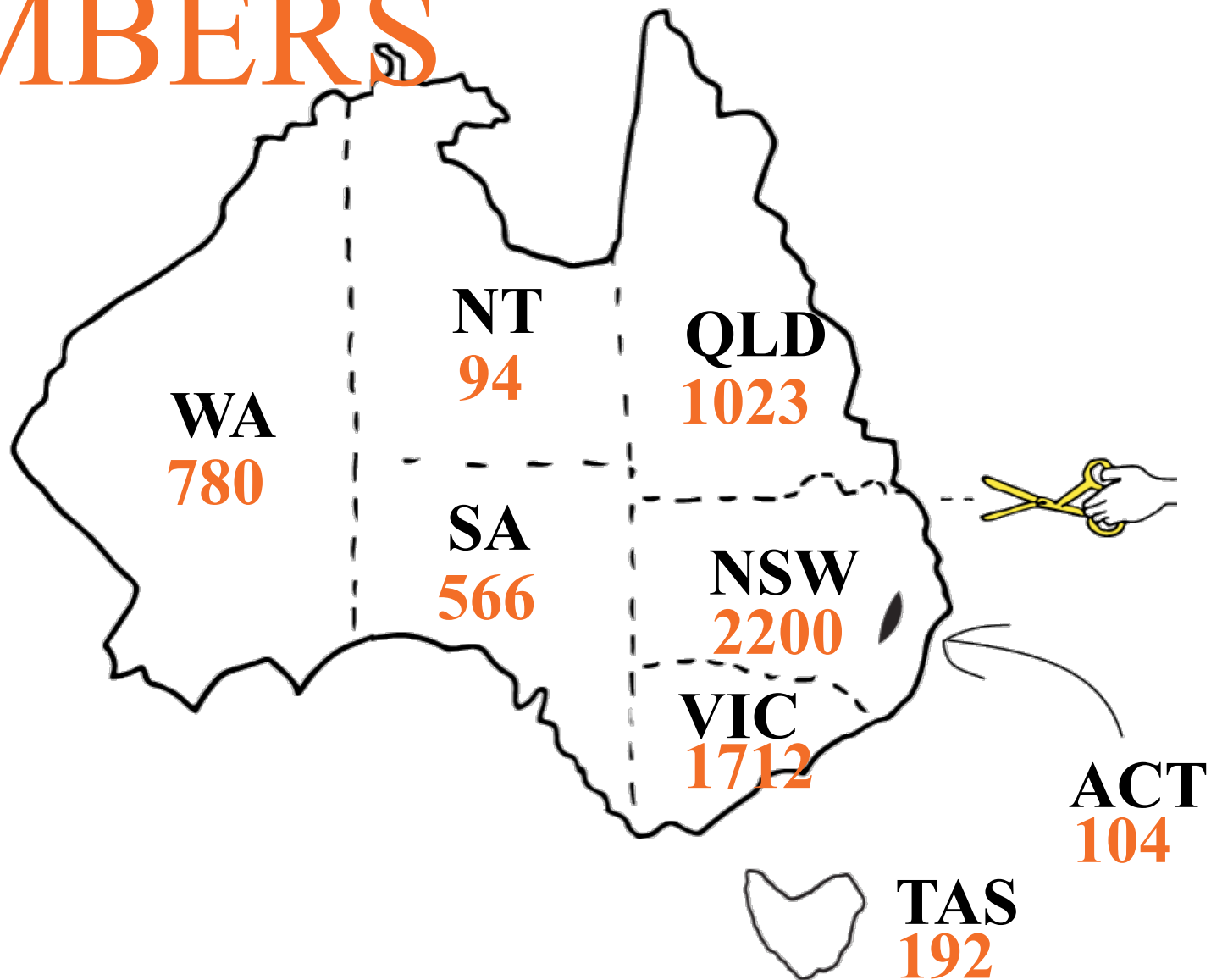


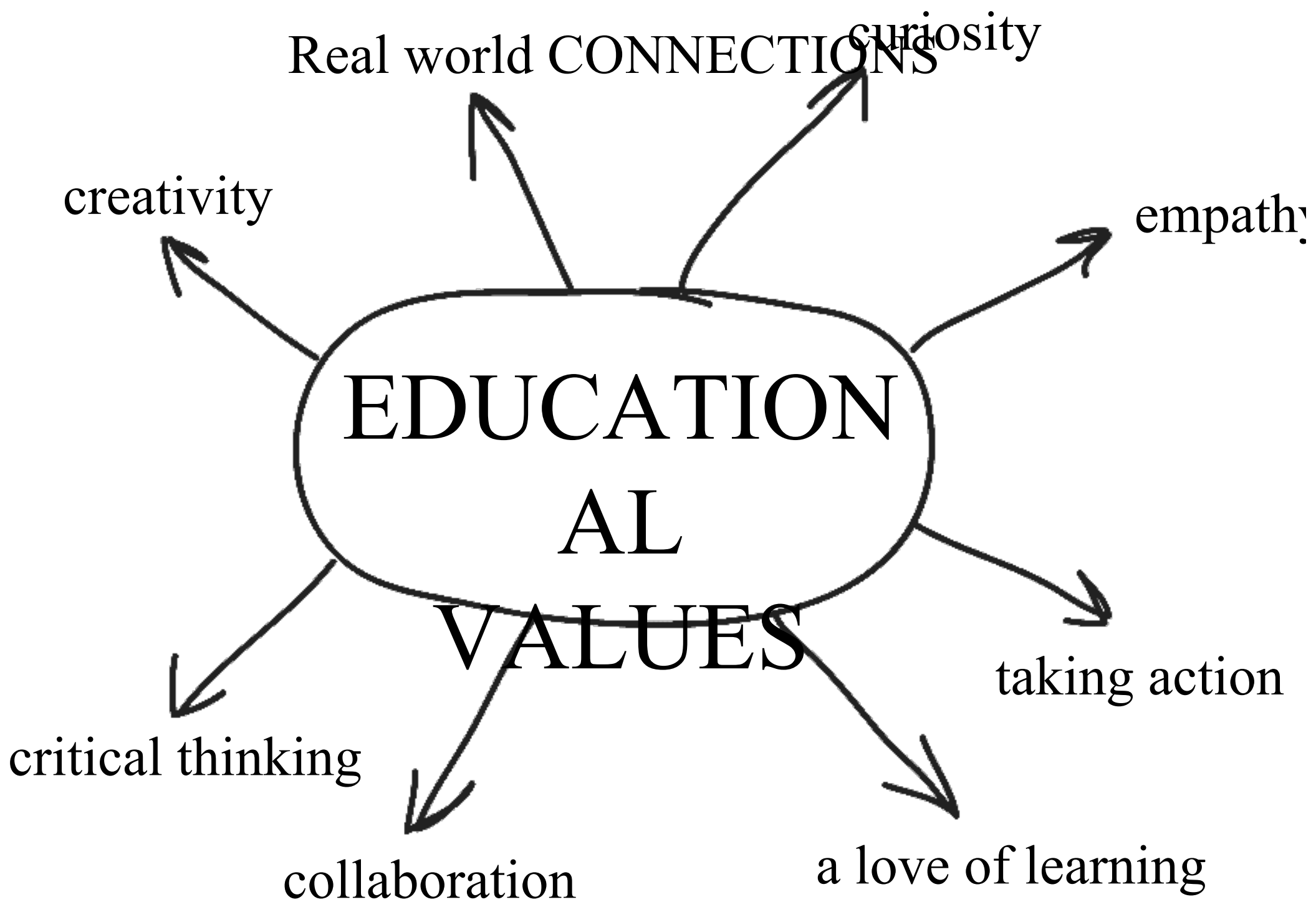
www.coolaustralia.org

58,500 TEACHER

In 6,676 early childhood services and schools

MEMBERS





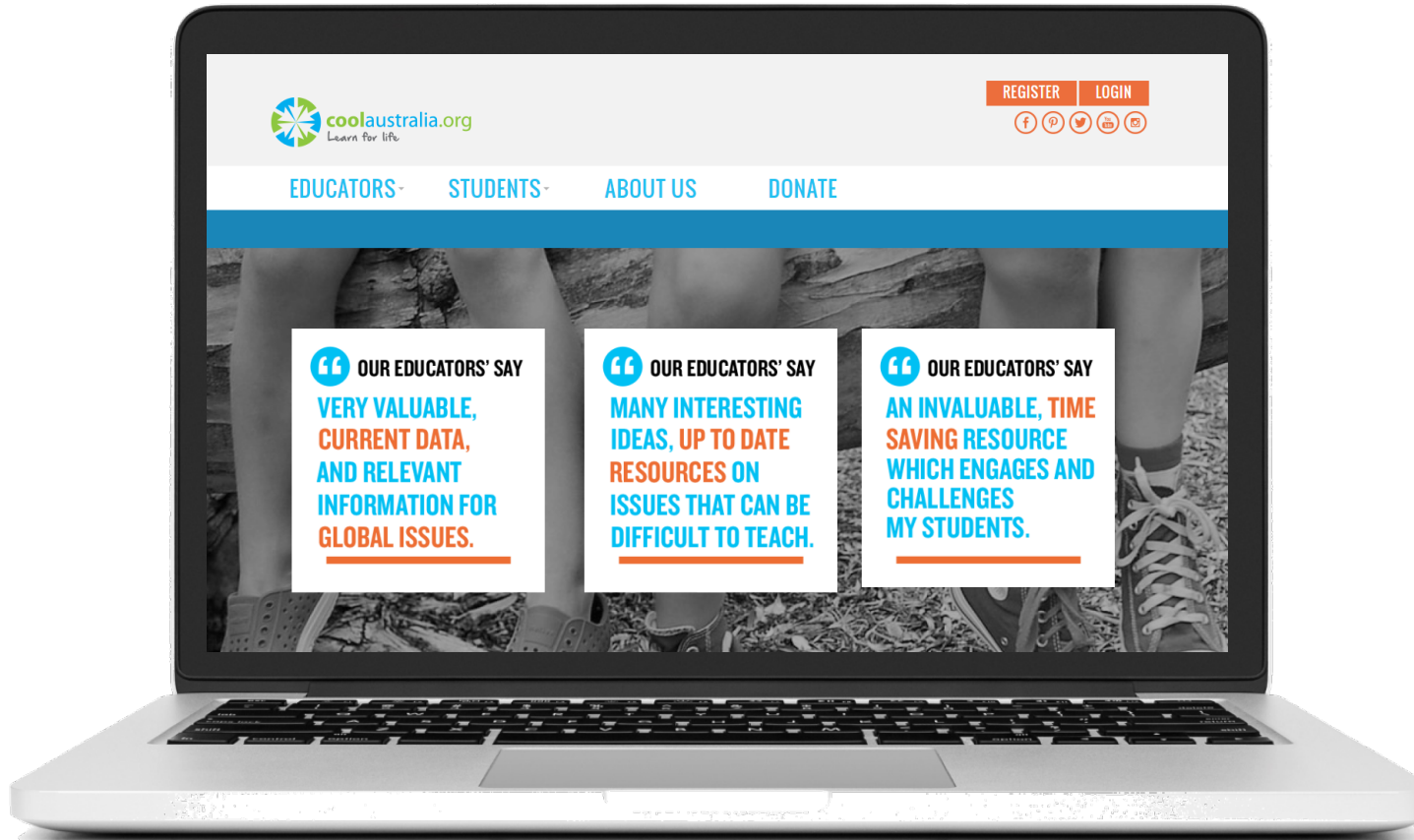
OUR PARTNERS

We collaborate with others.

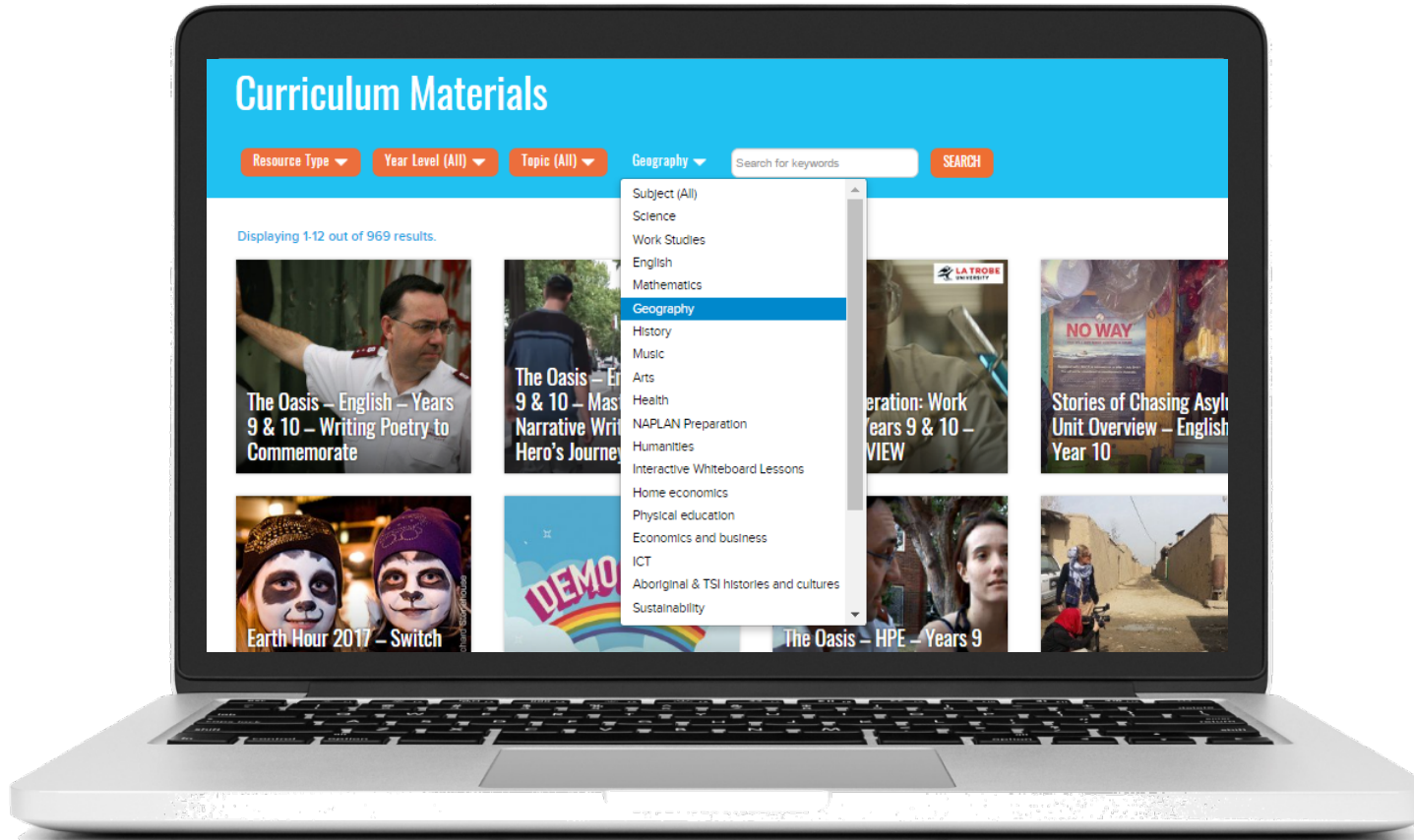
Our partners share our passion for
wanting

young people to have the best possible
start in life and the best possible future.





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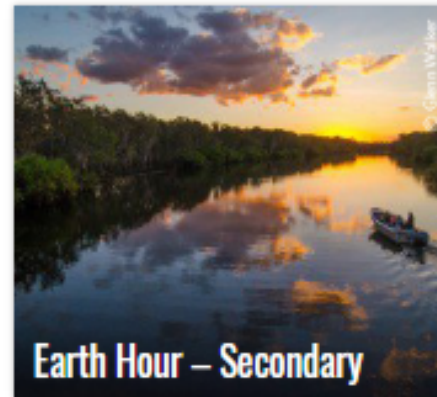


CURRICULUM MATERIALS

Curriculum Materials

[Units](#)[Year Level \(All\)](#)[Earth Hour](#)[SEARCH](#)

Displaying 1-3 out of 3 results.



Unit: This Changes Everything – Year 9 & 10

Activities for this Unit

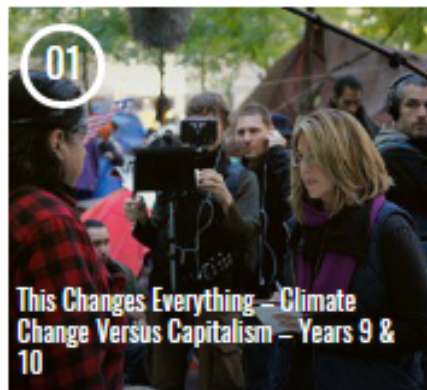
[Tuning In](#) [Finding Out](#) [Considering Social Action](#)



This Changes Everything includes a book by Naomi Klein and film by Avi Lewis. The texts join the dots between climate change, economic systems and the power of community action. It explores the complex relationship between humans and our environment, and in particular how our economic system's push for continual growth impacts both the environmen... [Read more »](#)

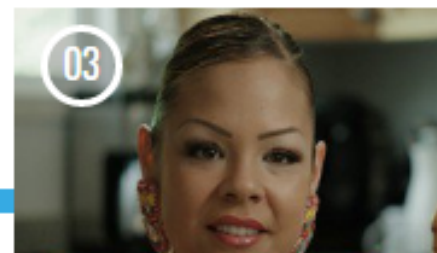
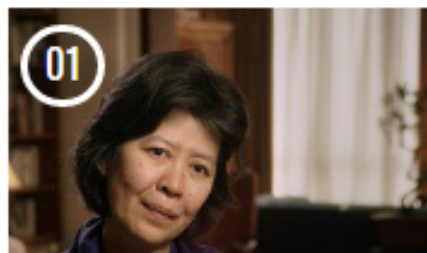
Tuning in

A tuning in activity helps students to define and focus on the issues they will be dealing with in the unit of work.



Finding Out

Students will need to obtain more information about the issues they are going to investigate. They can identify questions of interest and research these either in small groups or on their own. Once information is gathered, it can be shared using chosen communication methods e.g. short presentations. Students can continue finding out by completing a range of investigations, including gathering data. They use appropriate methods to present and communicate what they have found out.



Unit: Cool Burning – Secondary

Activities for this Unit

Tuning In Finding Out Drawing Conclusions Assessment and Reflection



Australians know all too well the devastating effects of fire on this nation, its landscape and inhabitants. In this fascinating study, we'll investigate the ancient land management strategy of burning off dangerous fuel loads in Australia's tropical savanna regions. Through unprecedented collaboration between Indigenous Austral... [Read more »](#)

Tuning in

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Activity: Flipped Classroom – Nature is Speaking: Kevin Spacey is The Rainforest – Year 8

[Introduction](#) [Worksheet](#) [Rate this Activity](#)

Activity Introduction

Quick summary: This lesson is designed for a flipped classroom, where students learn new content by watching a video in their own time. This strategy provides the opportunity for students to build their knowledge, attitudes and values by themselves, thereby freeing up class time for hands-on work.

Learning goals:

- Students understand that people have had significant negative impacts on rainforest landscapes.
- Students recognise that rainforest degradation has a broad-reaching effect.
- Students build their thinking and questioning skills.

General capabilities: Critical and creative thinking, Personal and social capability.

Cross-curriculum priority: Sustainability OI.1., OI.2.

Australian Curriculum content descriptions:

Year 8 Geography

- Human causes and effects of landscape degradation (ACHGK051)



[Read More](#) ⇩

Worksheets

Teacher Worksheet

Teacher Preparation

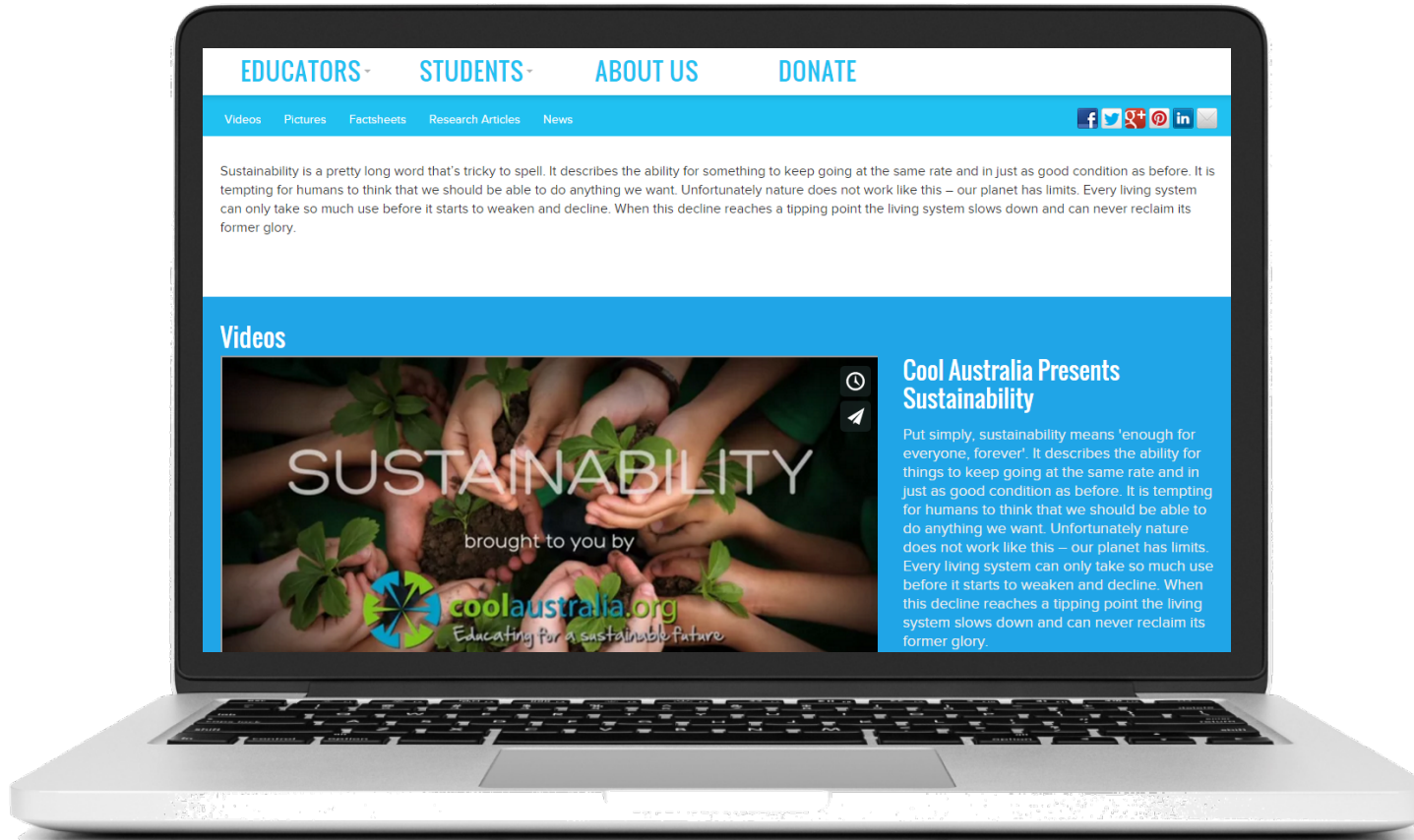
Overarching learning goal: Students take responsibility for their own learning by watching a video on the relationship

Student Worksheet

Thought starter: What does air do for you?

Before watching this clip, answer the following question:

1. How do you think the rainforest can be affected by human activity?



DIGITAL LIBRARY

Digital Library

[Early Learning ▾](#)

- All grades
- Early Learning
- Foundation
- Year 1 & 2
- Year 3 & 4
- Year 5 & 6**
- Year 7 & 8
- Year 9 & 10
- Year 11 & 12

You will find video clips, documentaries, images, articles, stories and news for each major topic. These are all designed to entertain and inform. Our toolbox is divided into Primary and Secondary levels and is brilliant for projects, research and further learning.

If you have any cool information for us to include please let us know. We love your ideas.

Choose your topic

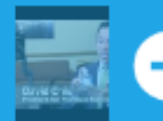
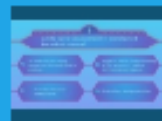
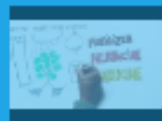
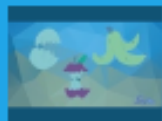


Videos



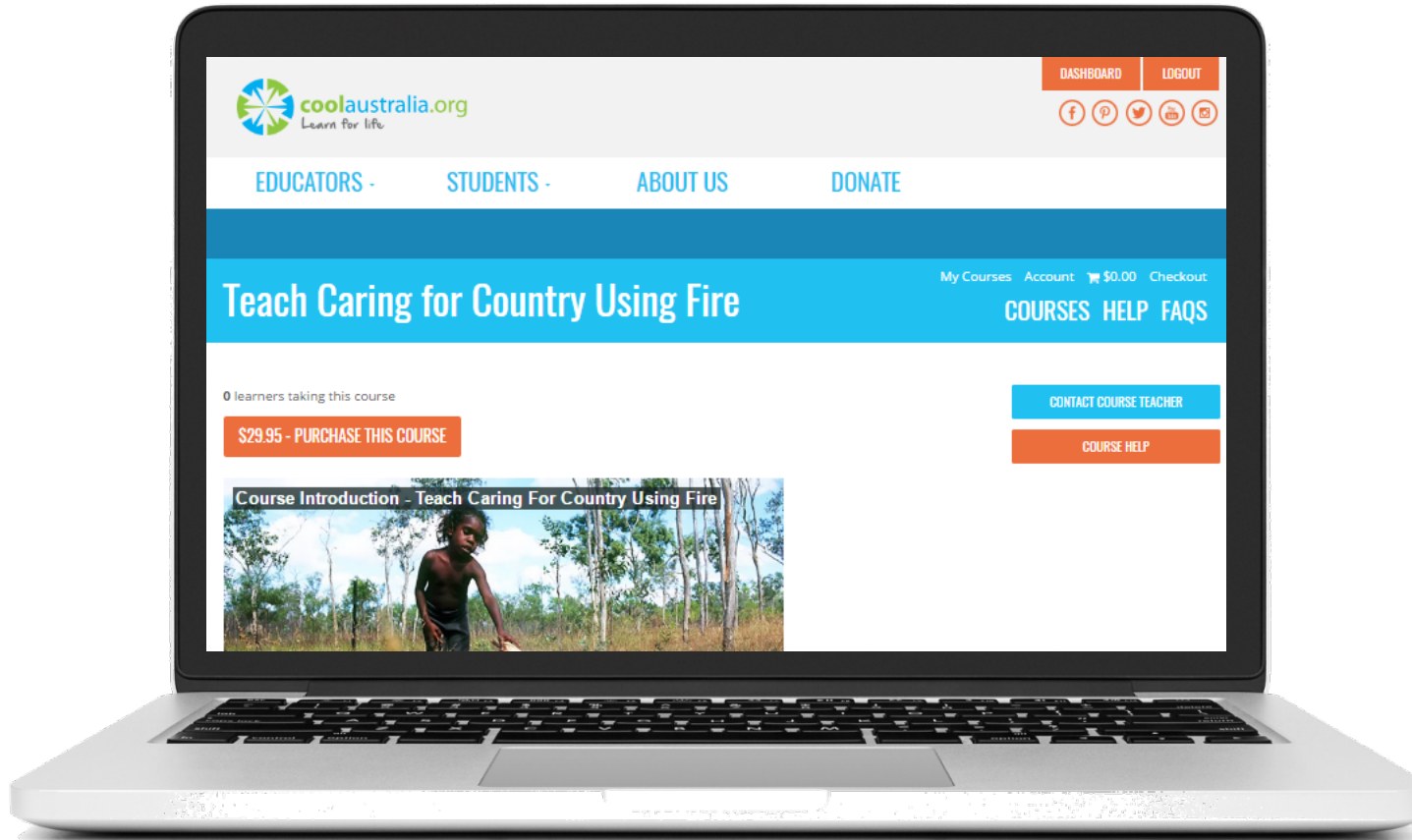
Cool Australia Presents Consumption

It's everywhere. Consumption is almost impossible to avoid. It's estimated that humans will consume more in the next 40 years than we have since we first stood on two legs. The more money we have the more we consume. The main issue is not consumption itself but it's inequality and the impacts on our environment. The richest 20% of people account for 77% of private consumption, the middle 60% account for 22%, the poorest 20% account for just 1%. We can be smarter about what we consume and who consumes it. What are some ways we can start to do things differently?

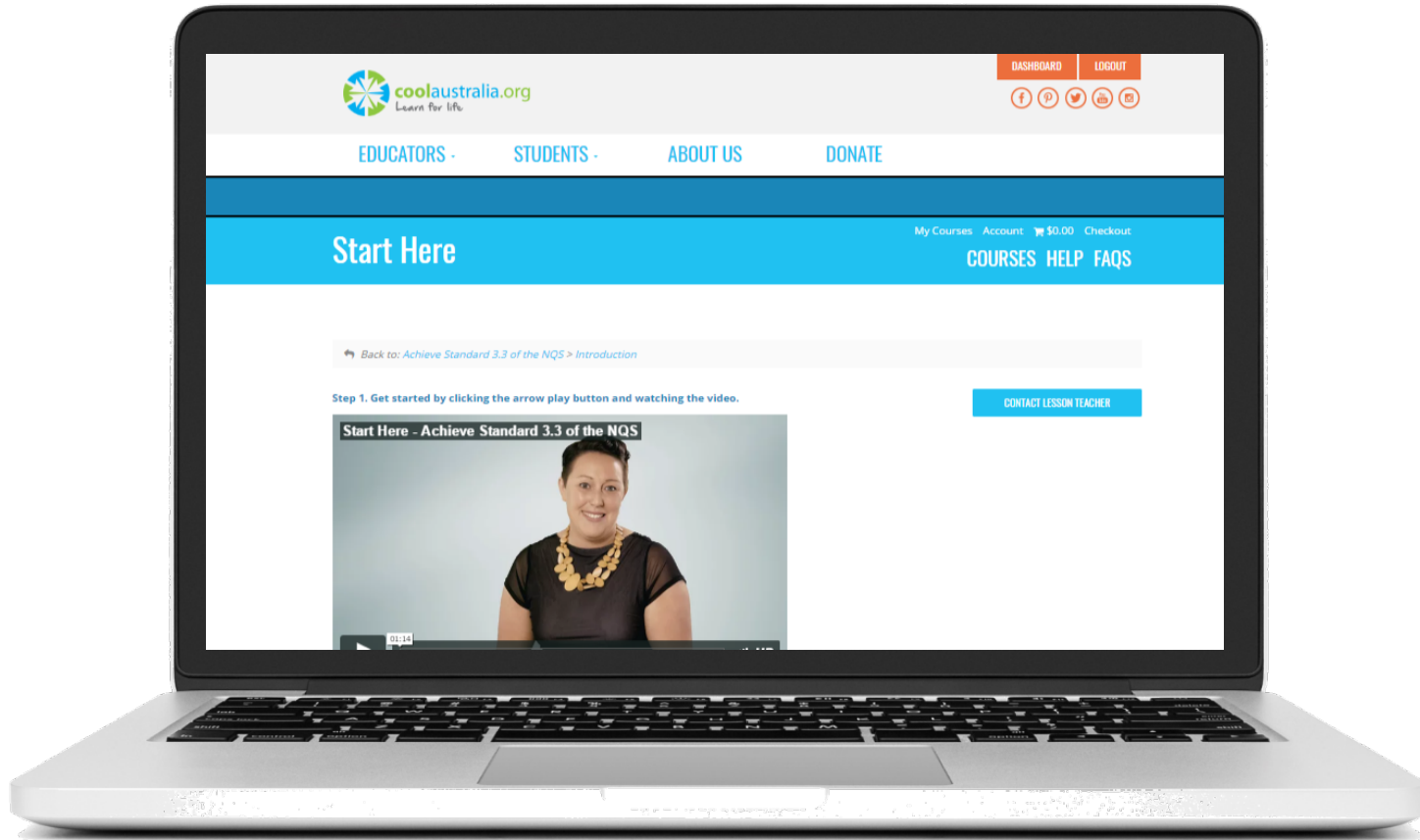


Pictures





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A WEEK OF CELEBRATION

GREEN THUMB



EDIBLE GARDEN

Design and create an edible garden

[CLICK HERE FOR YOUR GUIDE](#)



GARDENING FOR BIODIVERSITY

Design and plant a garden to improve local biodiversity

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GARDEN CARE

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WASTE WARRIOR



BIN IT

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WASTE FREE LUNCHES

Spread the word about the benefits of packing a healthy, waste-free lunch

[CLICK HERE FOR YOUR GUIDE](#)



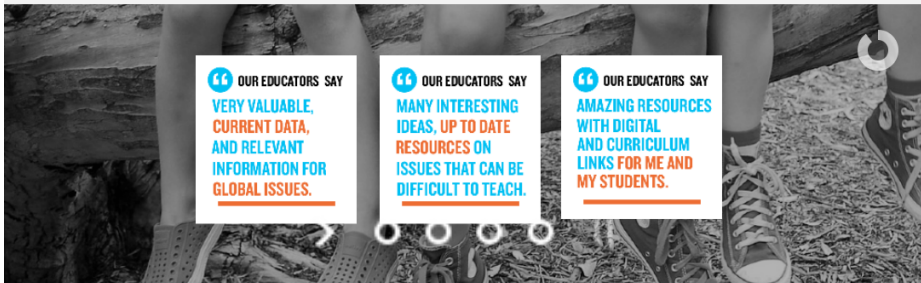
SWAP IT

Share, trade or swap instead of shop and de-clutter your life

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THE MENU IS HERE



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ADVENTURE

Sustainability? It's just great
education.



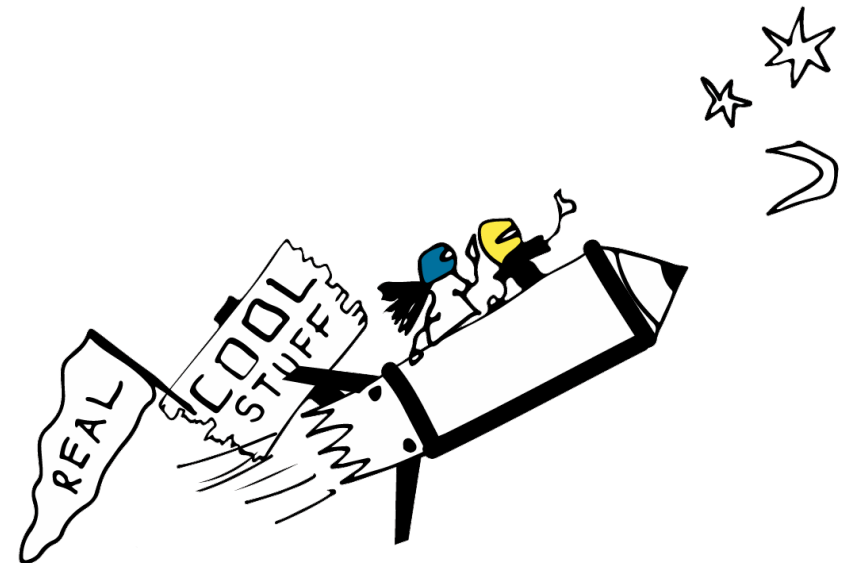
Kirsty Costa

Email: kirsty@coolaustralia.org

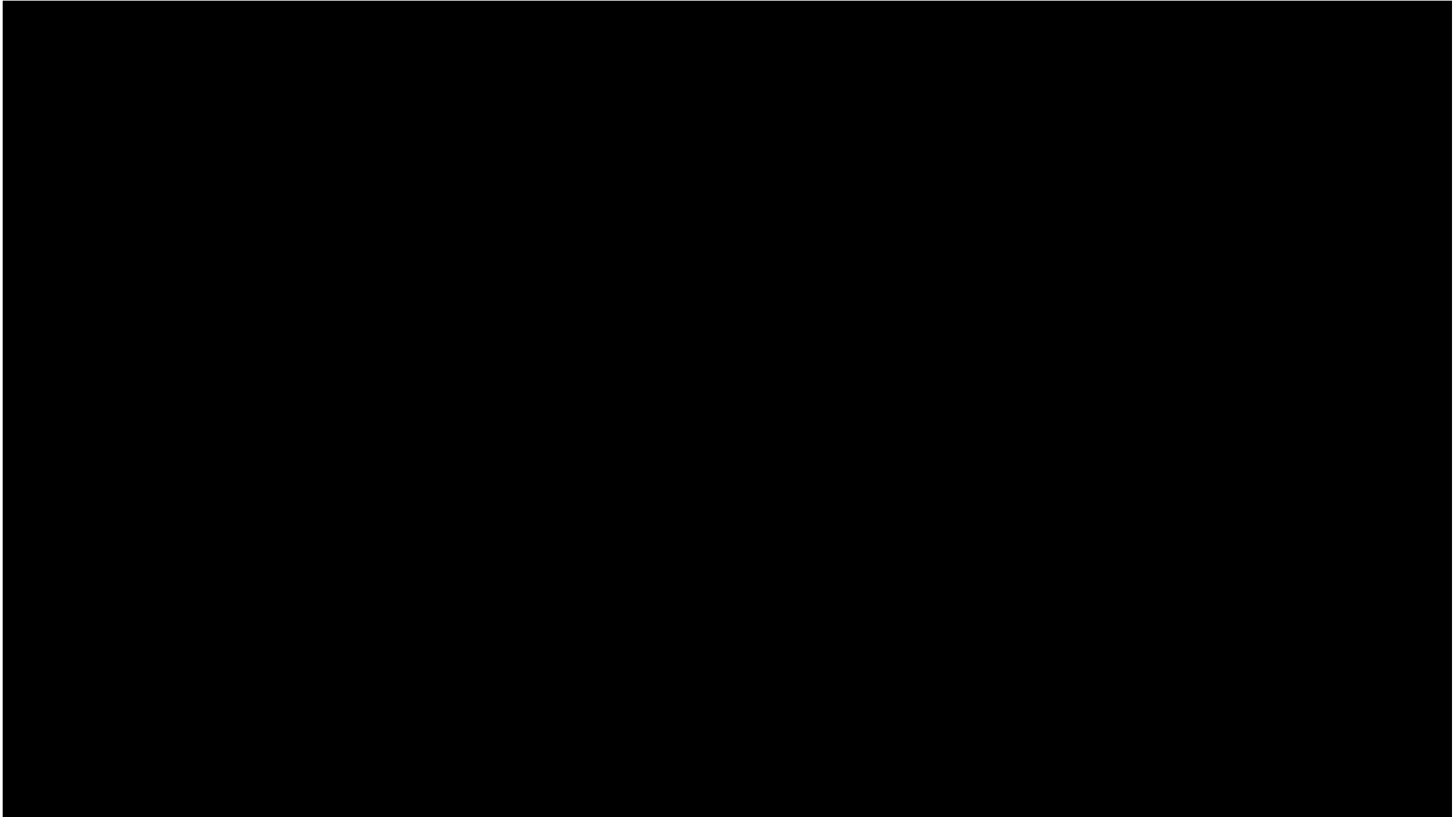
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Education is our 'follow the frog'



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