

# Impactful Outreach

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How do we scale education  
fit for the future  
in time to make a  
**difference?**



**CODE RED**

## CODE RED

“We must act decisively now to keep 1.5°C alive. We are already at 1.2°C and rising. Every fraction of a degree counts.

The viability of our societies depends on leaders from government, business and civil society uniting behind policies, actions and investments that will limit temperature rise to 1.5°C.

We owe this to the entire human family.”

Antonio Guterres



# Bottom line

“An atlas of human suffering”

Everywhere is affected, with no inhabited region escaping dire impacts from rising temperatures and increasingly extreme weather.

About half the global population highly vulnerable

Millions of people face food and water shortages owing to climate change, even at current levels of heating.

Mass die-offs of species, from trees to corals, are already under way.

Key ecosystems are losing their ability to absorb carbon dioxide, turning them from carbon sinks to carbon sources.

# Problem

Humans are affecting the controls of the biosphere for first time in Earth's history. (Crossing the 9 planetary boundaries).

Jeopardising economic, environmental and social stability.

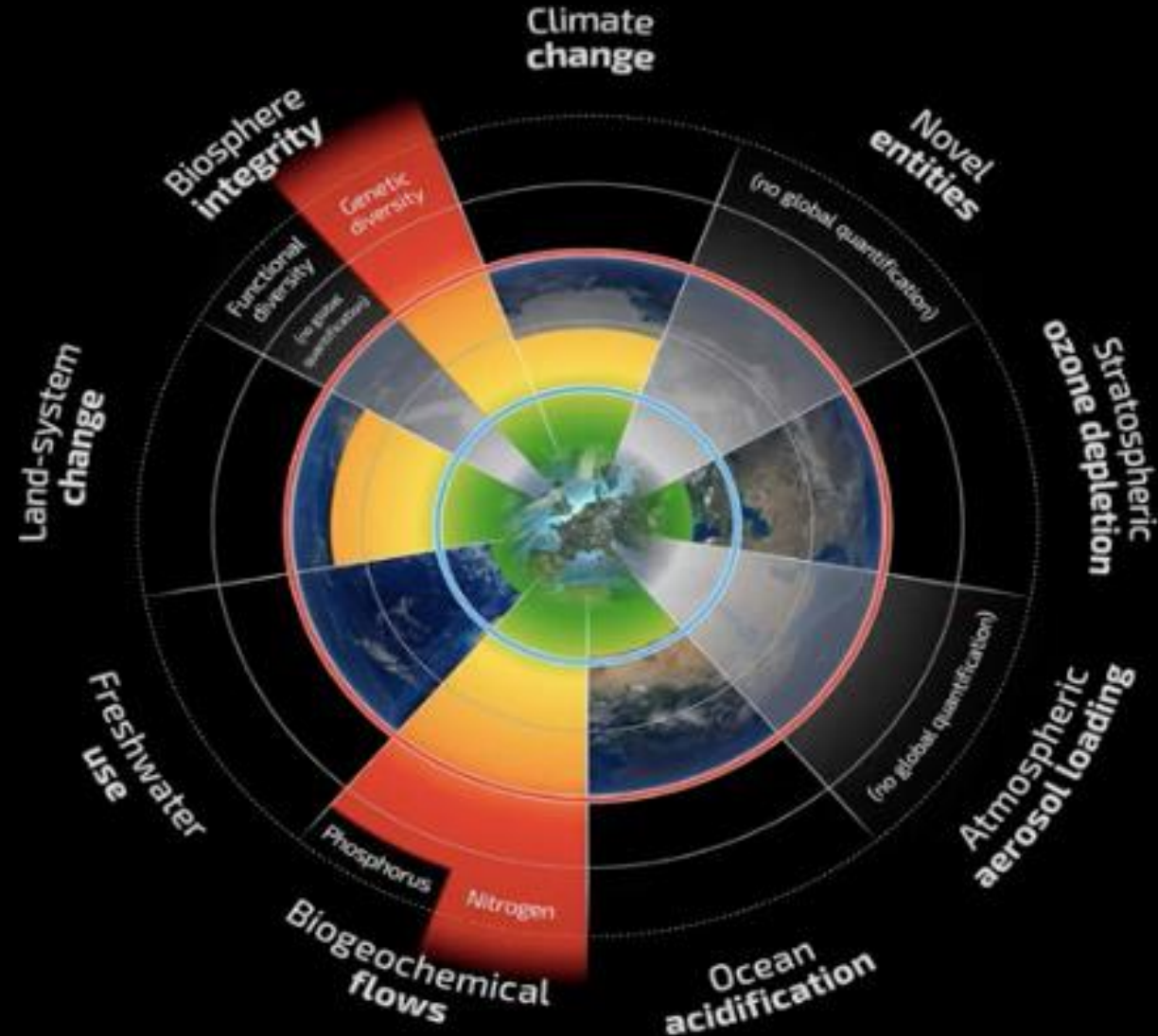
We can't solve problems with same thinking that created them.

No integrated education systems exists to teach children differently.



# Understand planetary boundaries

Johan Rockstrom





**Many things on which  
your future health and  
prosperity depend are in  
dire jeopardy**

“It is worth noting  
that this is not the  
work of ignorant  
people. It is, rather,  
largely the result of  
work by people  
with BAs, BScs, LLBs,  
MBAs, and PhDs”

David Orr





**What students learn at  
University is hugely  
important to our future**

Globally around 3%  
of people attend  
University but they  
take up 80% of  
leadership  
positions



# 70%

of teachers agreed radical change was needed to make the education system “fit for the times we live in”.

# 75%

of UK teachers don't feel they've received adequate training to educate students about climate change.

YouGov research commissioned by Oxfam  
2019



## Education for the western consumer economy?

“We moved from wisdom to knowledge and now we are moving from knowledge to information and that information is so partial that we are creating incomplete human beings.”

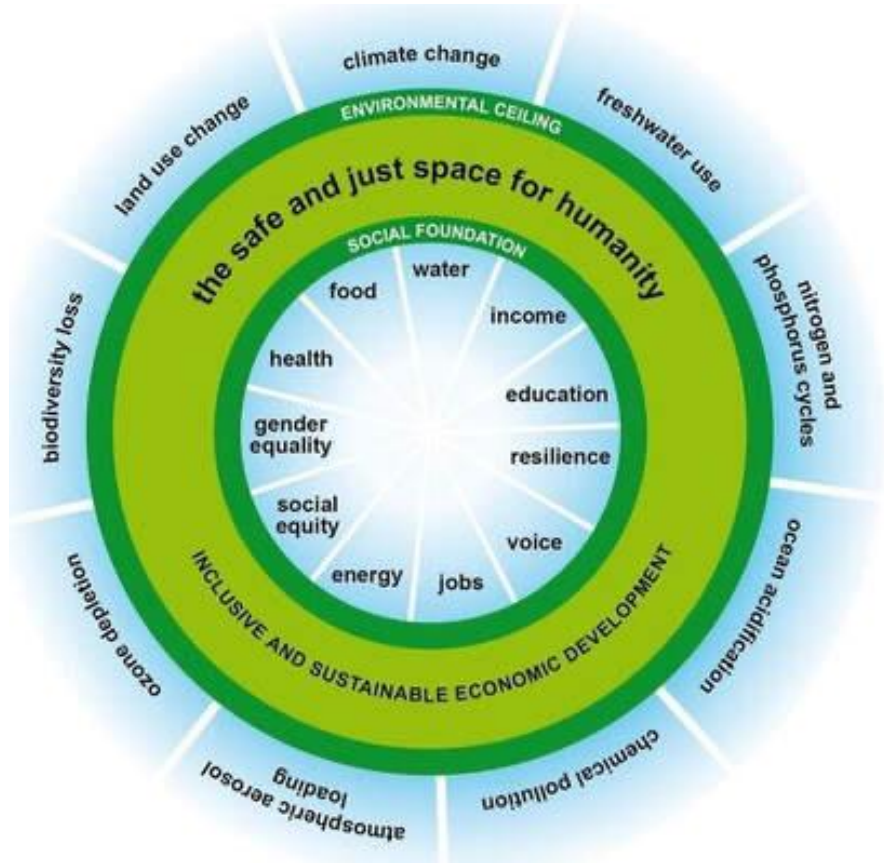


Vandana Shiva  
Activist, Author

“Western education does not to create human beings fully equipped to deal with life and all its problems, independent citizens, able to exercise their responsibilities in community  
It creates elements to feed into an industrial production system – products with partial knowledge”



# Build new models



Dr Kate Raworth  
Economist, Author  
of Doughnut  
Economics

“The challenges of the 21st century are unprecedented and last century’s economic theories were never written to take them on. The economists who created them would be astounded that we were drawing from their models drawn up 100 years ago and concepts created 200 years ago. It’s time for a rewrite. Today’s economy students know it.”



# Evolve!





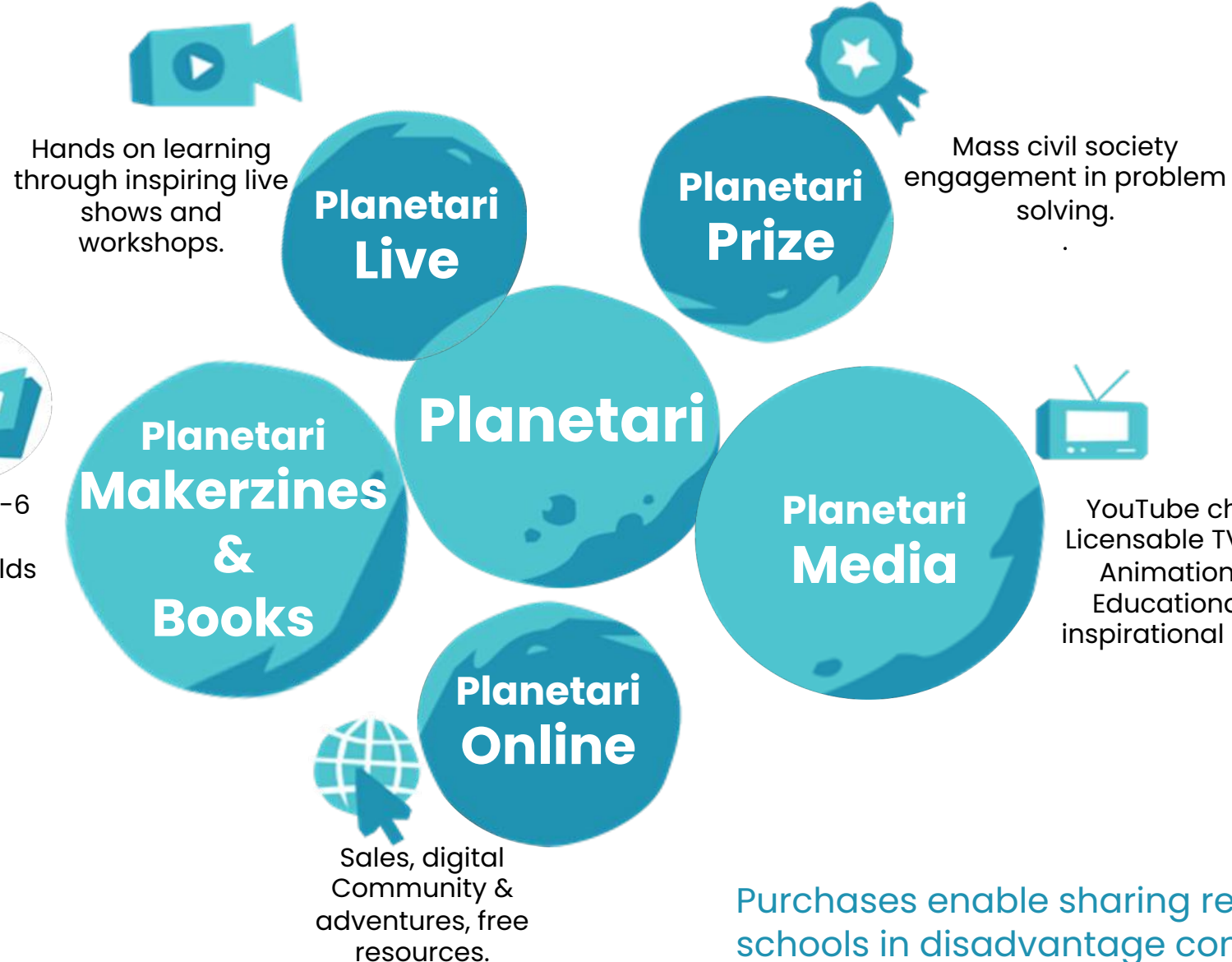
# First rule of revolution?



**Take over the radio station!**



# A multi-media education platform that teaches children to solve major global challenges.



Planetari

Purchases enable sharing resources with schools in disadvantage communities globally.

# Solution

An education platform that teaches children to:



**Care**

Save lives, resources and biodiversity by averting systems crisis.



**Share**

Accelerate innovation and breakthrough technologies through collaborative problem solving.



**Dare**

Drive new models of wealth and well being creation by thinking systemically.







# Interdisciplinary, interactive learning









# Designed to engage, inspire, equip

If we help the oceans to thrive, we could make this future happen...

Here in the future, we all know there's nothing more important than healthy oceans. These days, when we're born, we usually get given a sea creature middle name to remind us of how much we owe the oceans.

When we finally realised how little time was left to slow climate change, we planted mangroves, seagrass meadows, and kelp forests which stopped Earth getting more than 1.5°C hotter while we got everything else sorted.

are protected. vere. Some protect 30%, ere?





# RAINFORESTS REGENERATED

## THE RETURNING RAINFOREST

In our time, much of the earth's rainforest is being destroyed. Imagine if we let it grow again...

Wow, it's busy in here! That blue morpho is slurping, flitting and pollinating like crazy. Its wingspan is as big as your hand!

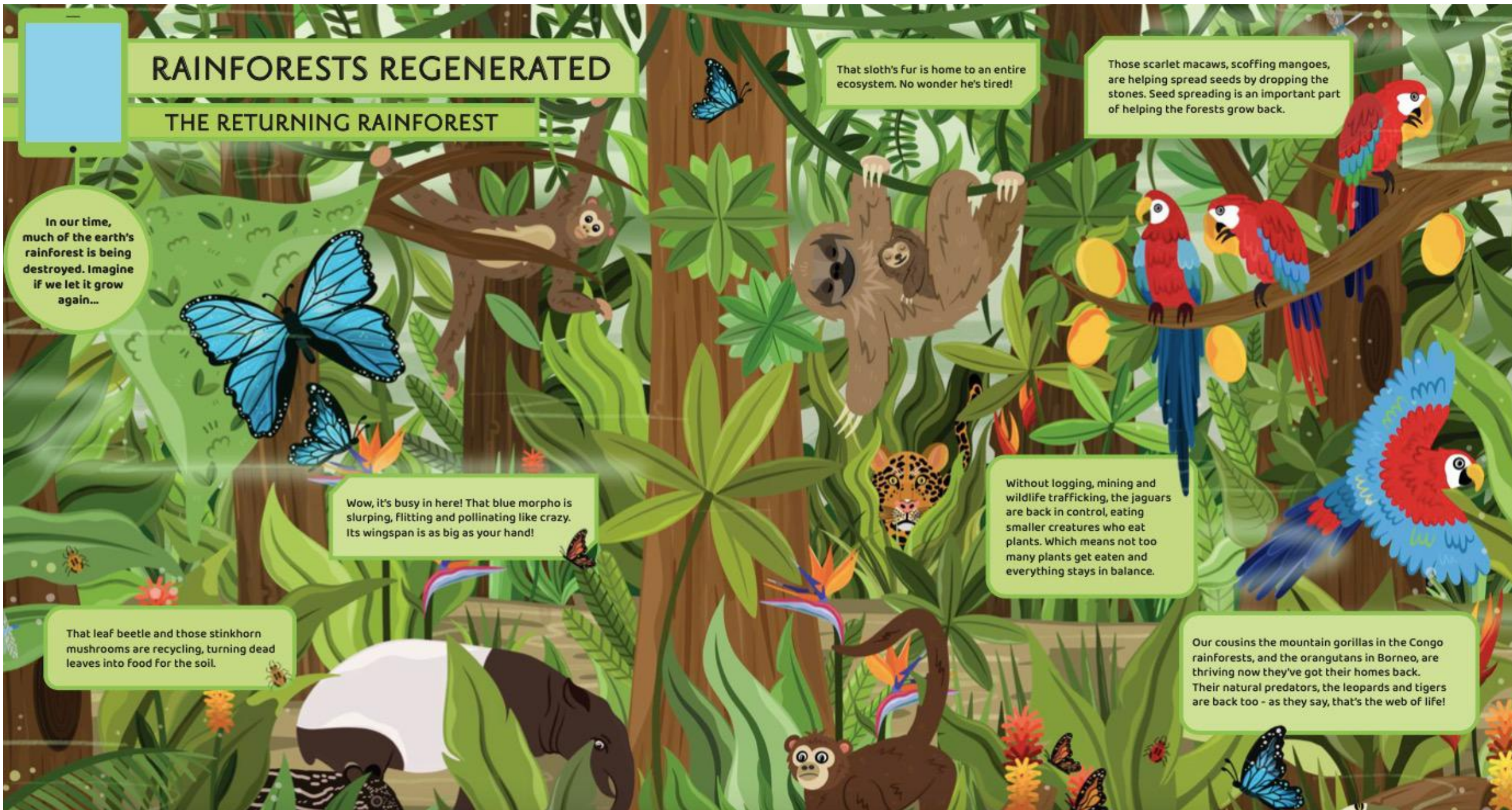
That leaf beetle and those stinkhorn mushrooms are recycling, turning dead leaves into food for the soil.

That sloth's fur is home to an entire ecosystem. No wonder he's tired!

Those scarlet macaws, scoffing mangoes, are helping spread seeds by dropping the stones. Seed spreading is an important part of helping the forests grow back.

Without logging, mining and wildlife trafficking, the jaguars are back in control, eating smaller creatures who eat plants. Which means not too many plants get eaten and everything stays in balance.

Our cousins the mountain gorillas in the Congo rainforests, and the orangutans in Borneo, are thriving now they've got their homes back. Their natural predators, the leopards and tigers are back too - as they say, that's the web of life!





# To build a global community of young changemakers





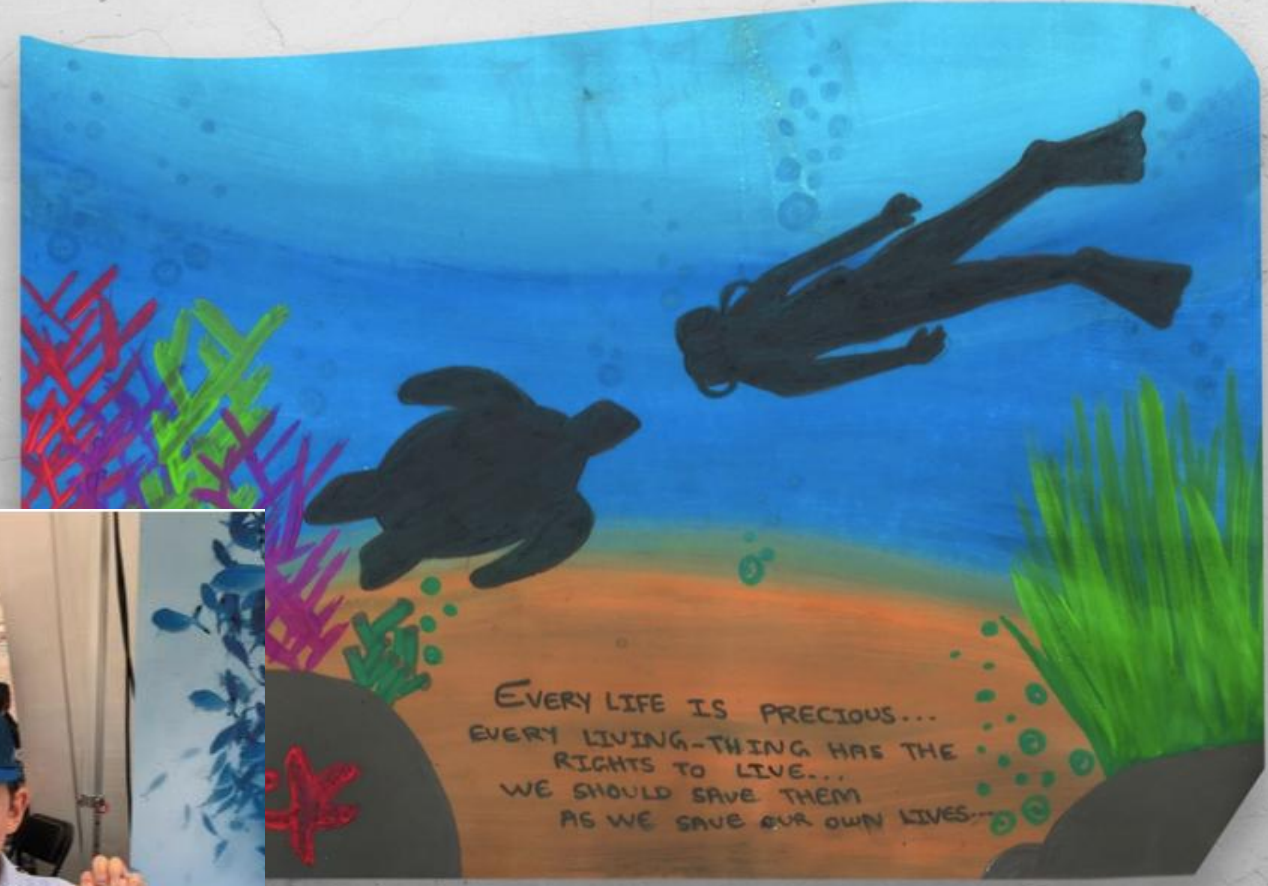
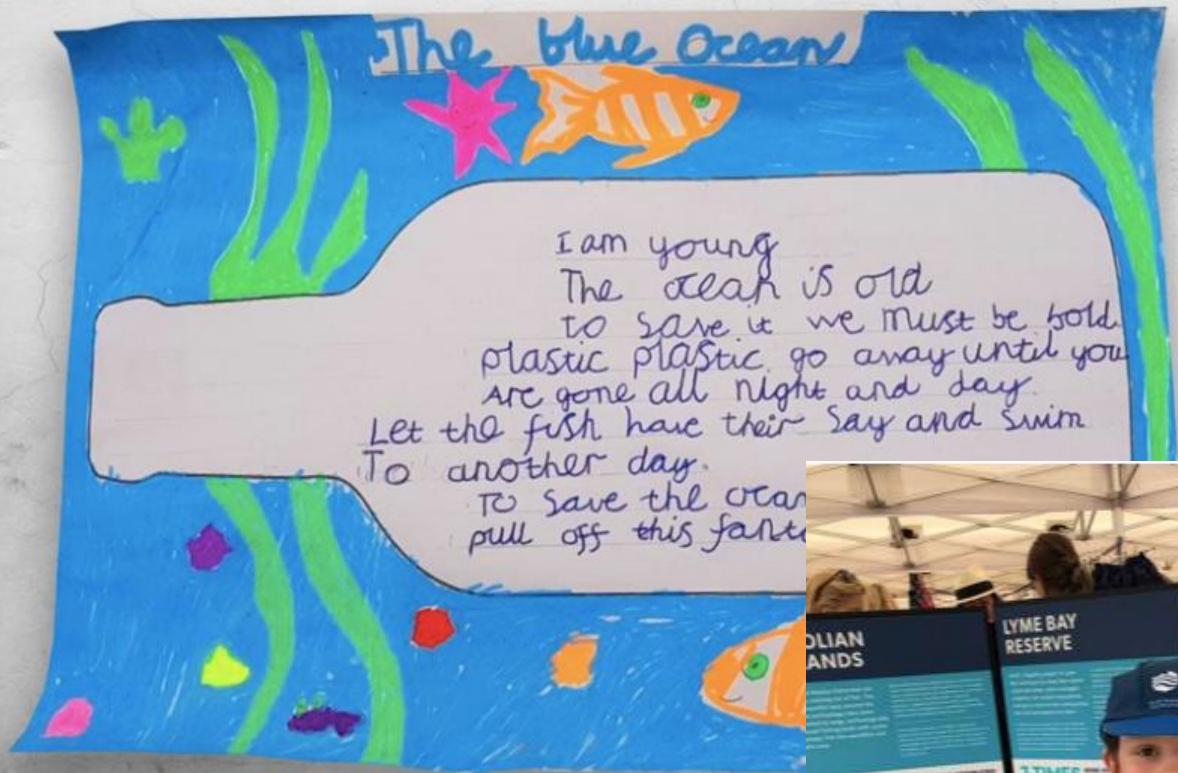


## BLUE EDUCATION

BLUE can better achieve its mission to restore healthy oceans by engaging with local communities, fishermen and young people.











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# What children learn

## Systems thinking competency

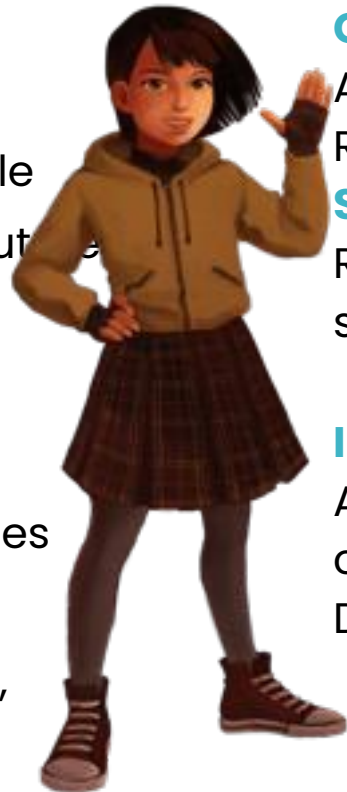
Recognize and understand relationships  
Analyse complex systems  
Deal with uncertainty.

## Anticipatory competency

Understand and evaluate multiple futures –Create own visions for future  
Deal with risks and changes.

## Normative competency

Understand own norms and values  
Negotiate sustainability values, in context of conflicts of interests, trade-offs contradictions.



## Collaboration competency

Learn from others  
Empathy  
Participatory problem solving.

## Critical thinking competency

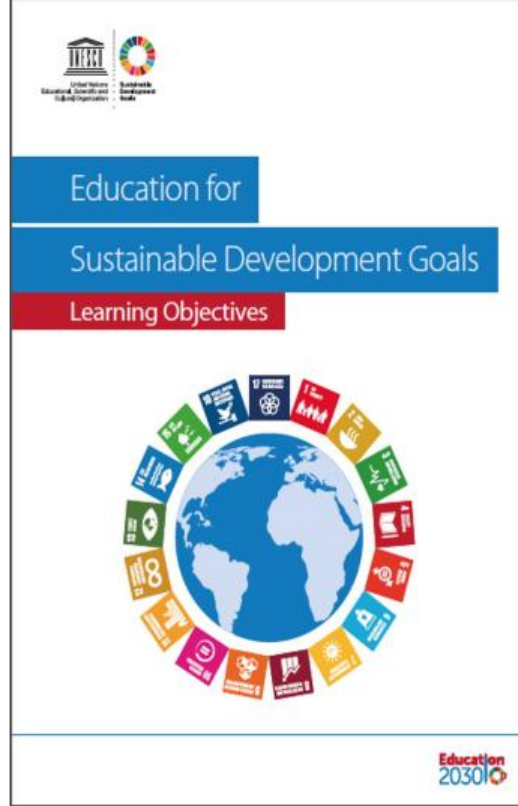
Ability to question norms  
Reflect on own values, perceptions, actions

## Self-awareness competency

Reflect on own role in the local community and (global) society.

## Integrated problem-solving competency

Ability to apply different problem-solving frameworks to complex problems  
Develop viable, inclusive, equitable solutions.



# Think like an ancestor



“Be a good ancestor. Stand for something bigger than yourself. Add value to the Earth during your sojourn.”

Marian Wright Edelman  
Founder Children's Defense Fund.





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# Thank You

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