

An ALL Careers Approach to Education; **Connecting environmental / energy** **literacy with ALL careers**



Webinar, Green Jobs Forum, Leaders in Energy



**A healthy,
thriving and
beautiful world**



The diagram features a large red oval on a black background. Inside this oval, on the left, is a green circle containing the text "Environmental Knowledge & Concern". On the right is a realistic image of the Earth from space, showing Africa and the Atlantic Ocean. Overlaid on the bottom right of the Earth image is a smaller green oval containing the text "A healthy, thriving and beautiful world".

**Environmental
Knowledge
&
Concern**

**A healthy,
thriving and
beautiful world**

**Environmental
Knowledge
&
Concern**

**“Environmental
Careers”**

**A healthy,
thriving and
beautiful world**

The diagram features three overlapping circles: a green circle on the left, a yellow circle in the center, and a green circle on the right. The green circle on the left contains the text 'Environmental Knowledge & Concern'. The yellow circle in the center contains the text 'ALL Careers'. The green circle on the right contains the text 'A healthy, thriving and beautiful world'. A red oval encloses all three circles. In the background, a realistic image of the Earth is visible, showing the African continent and surrounding oceans.

**Environmental
Knowledge
&
Concern**

**ALL
Careers**

**A healthy,
thriving and
beautiful world**

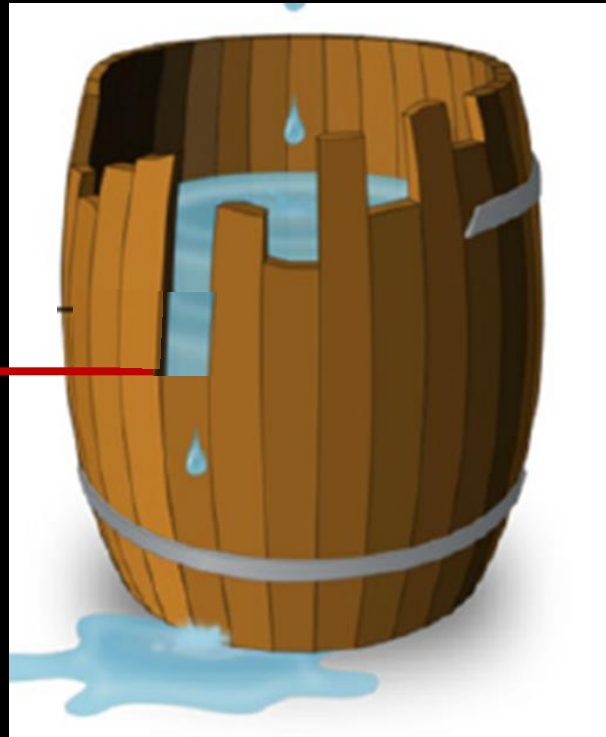
Overview: The ALL Careers approach makes *explicit* connections between environmental knowledge/concern and ALL careers (not just the small segment of the economy made up of “environmental careers” as presently understood).

Empower young people (especially in high school) with a solid sense of how they can contribute to the creation of a green/sustainable economy no matter their skills, aptitudes and career directions;

Inspire young people to make connections, increasingly on their own, to intentionally create a green/sustainable economy **rather than leaving it to chance.**

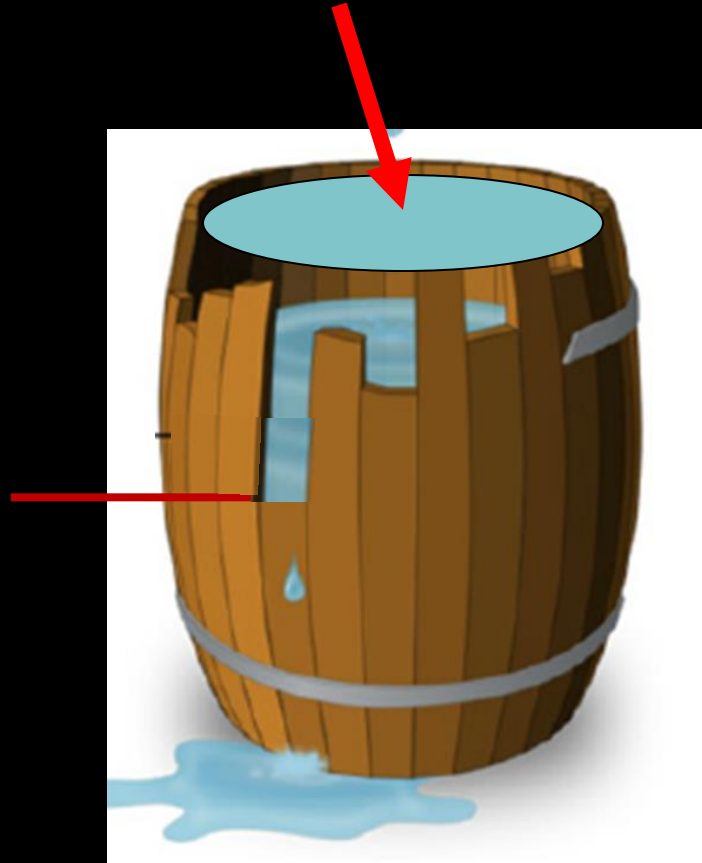
A basic environmental principle

**Limiting
factor**



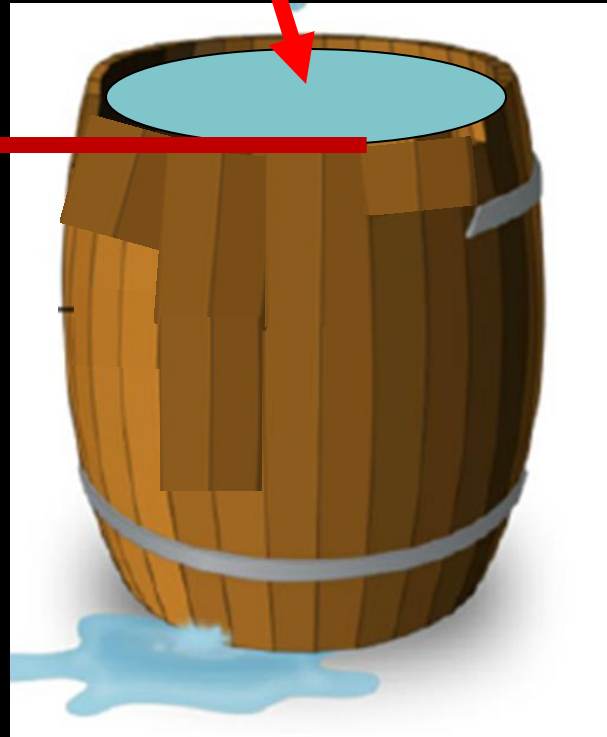
Goal of Sustainable Economy

LACK OF
ALL Careers
approach



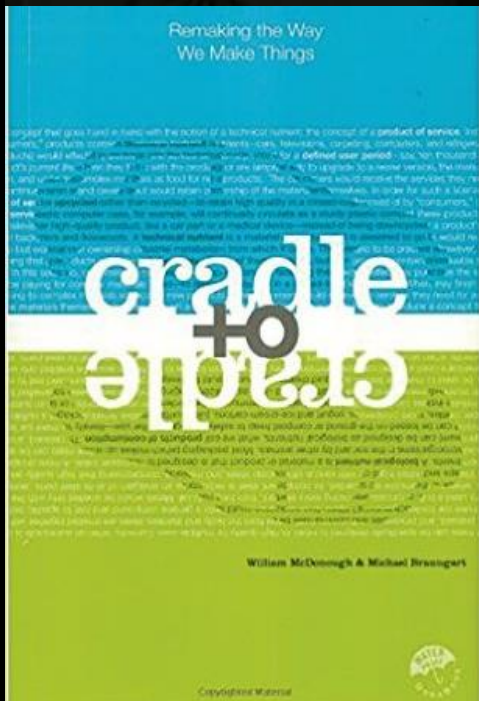
Goal of Sustainable Economy

ALL Careers approach,
especially at the high
school level





William McDonough, Architect & designer



“Transformation of
human industry
through ecologically
intelligent design.”

William McDonough Partners 3 Principles

derived from living systems, to always use/consider:

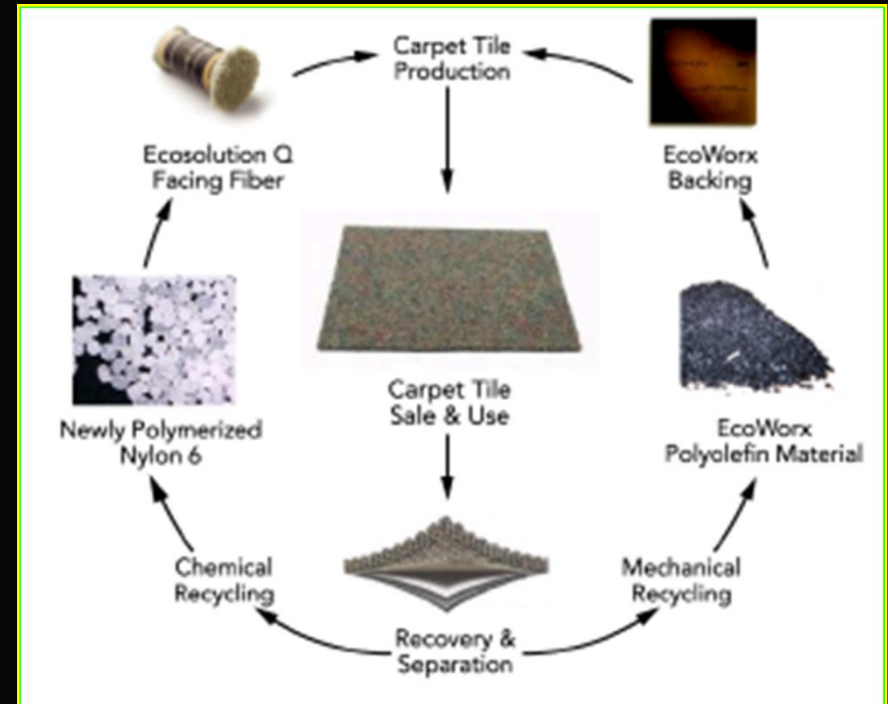
- USE DAILY SOLAR INCOME - Renewable energy.
- WASTE = FOOD - Everything is a resource for something else.
- CELEBRATE DIVERSITY – diversity of place.



Net Zero Building



Compostable fabrics



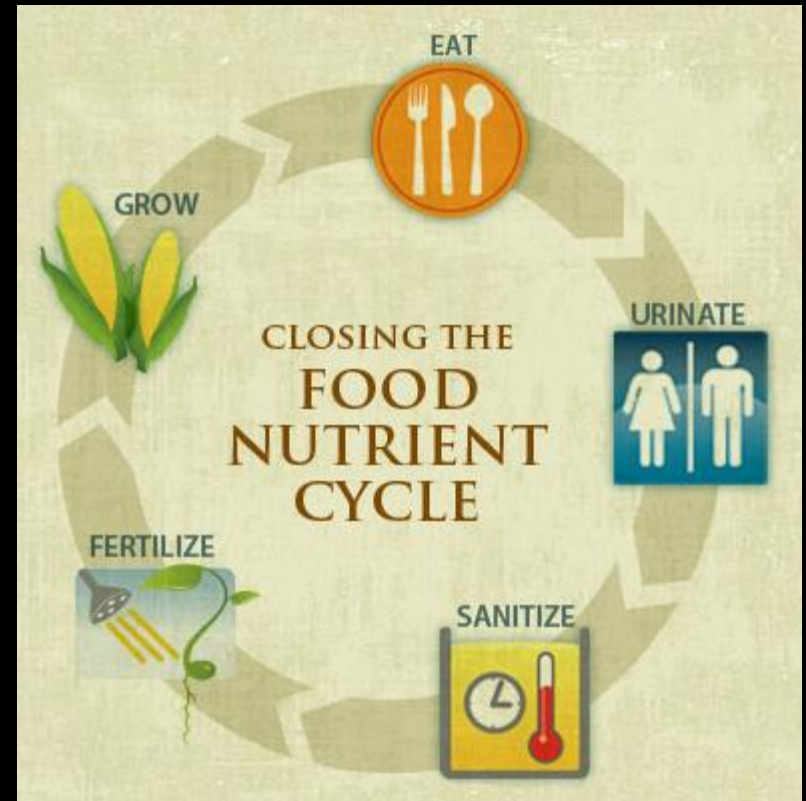
Carpet that is not landfilled

Public urinals in Amsterdam



**RICH
EARTH
INSTITUTE**

FERTILIZER FROM URINE Clean Rivers. Sustainable Farms.



Rich Earth Institute, Brattleboro, Vermont

Outreach / education



Scaling up, engineering



Field testing / Farming



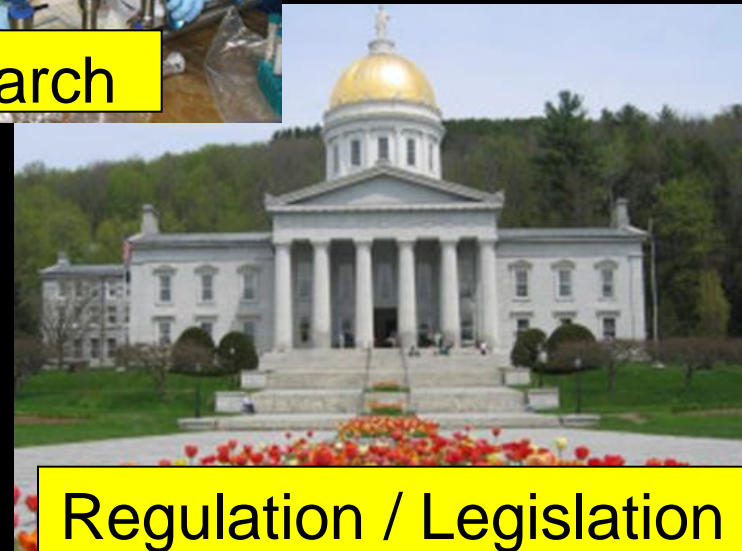
Research



Grassroots work

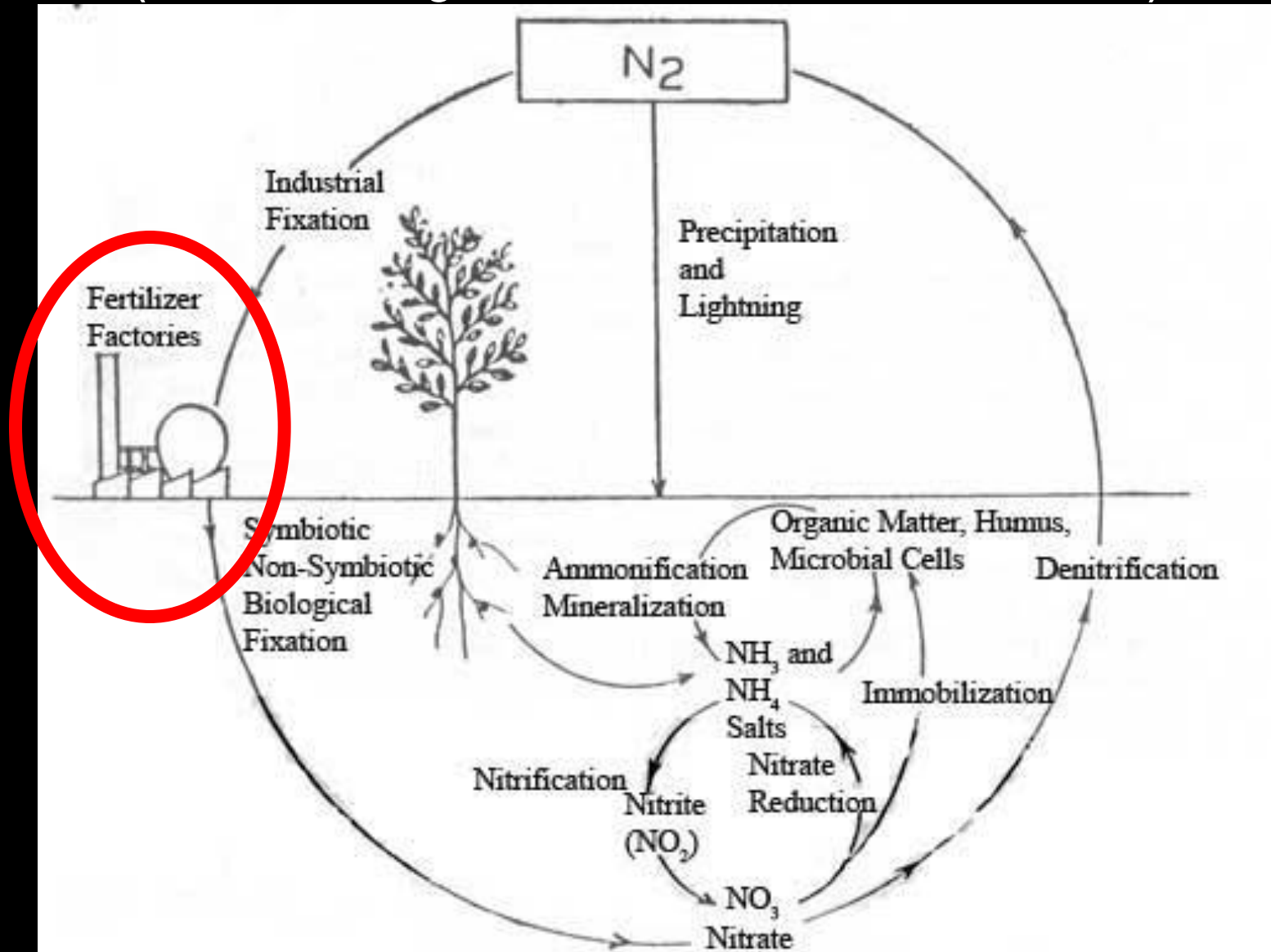


Regulation / Legislation

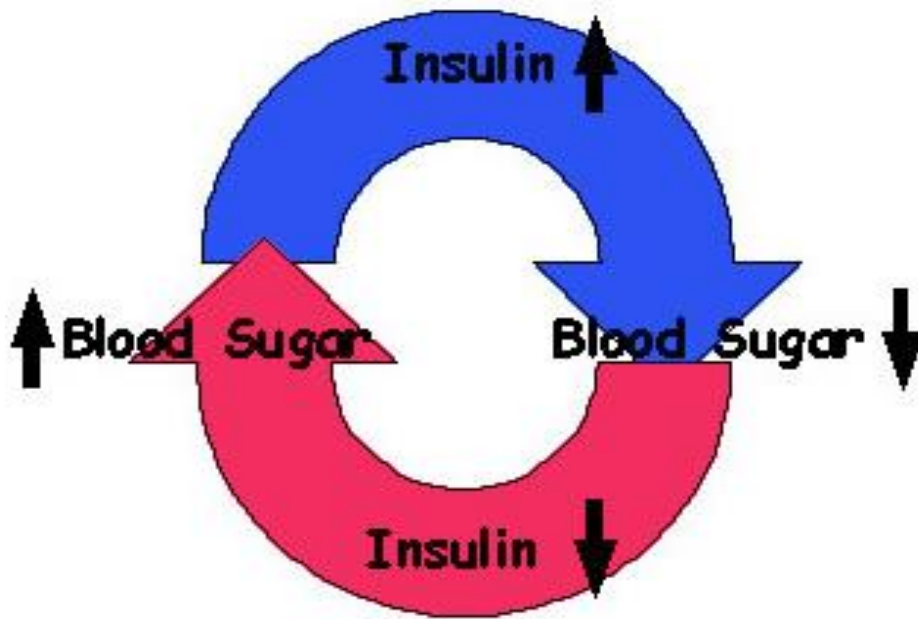


Humans are now dominant part of Earth's Nitrogen Cycles

(Almost insignificant before World War II)

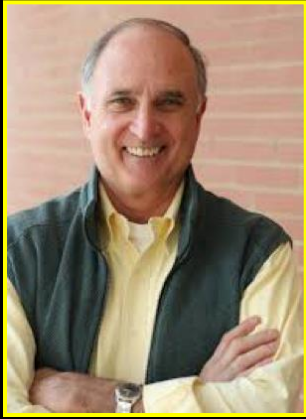






Negative Feedback Loop – a basic component of “Environmental Literacy”

Which has been expressed through metaphors and art



Professor David Orr

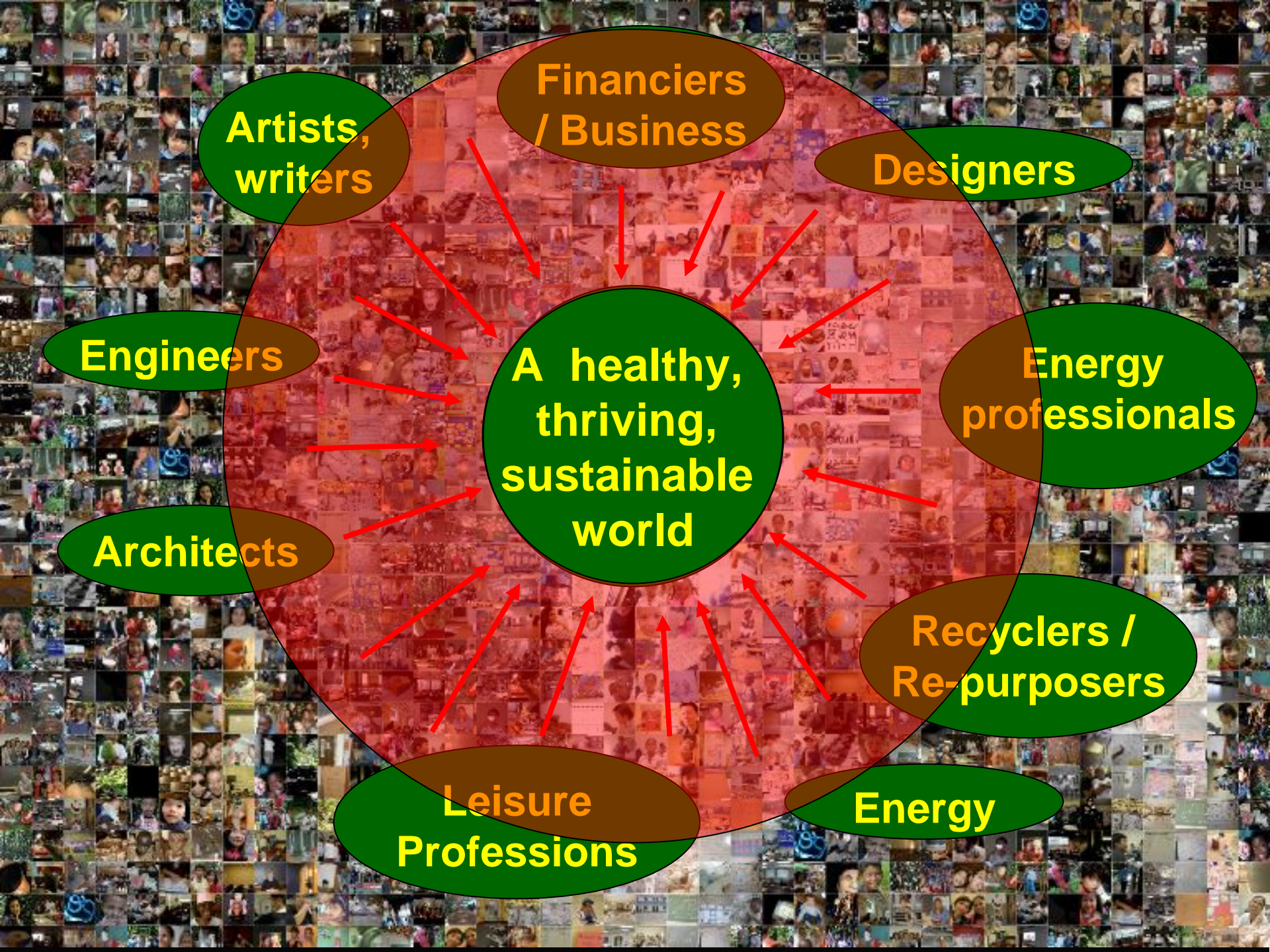
2015 Speech

Hot Careers in a Warming World”

Careers in renewable energy . . .

But, just as important:

- Finance experts
- Artists, musicians
 - Architects
 - Farmers
- Nutrient recyclers
- Everyone, everything we do



**Financiers
/ Business**

Designers

**Energy
professionals**

**Recyclers /
Re-purposers**

Energy

**Leisure
Professions**

Architects

Engineers

**Artists,
writers**

**A healthy,
thriving,
sustainable
world**

Fossil Ridge Environmental Sustainability High Club



Environmental Leadership Summit

April, 2017 / April, 2018 / April, 2019


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Climate Leadership Summit

Friday, April 10th, 2020

9:00am-1:30pm

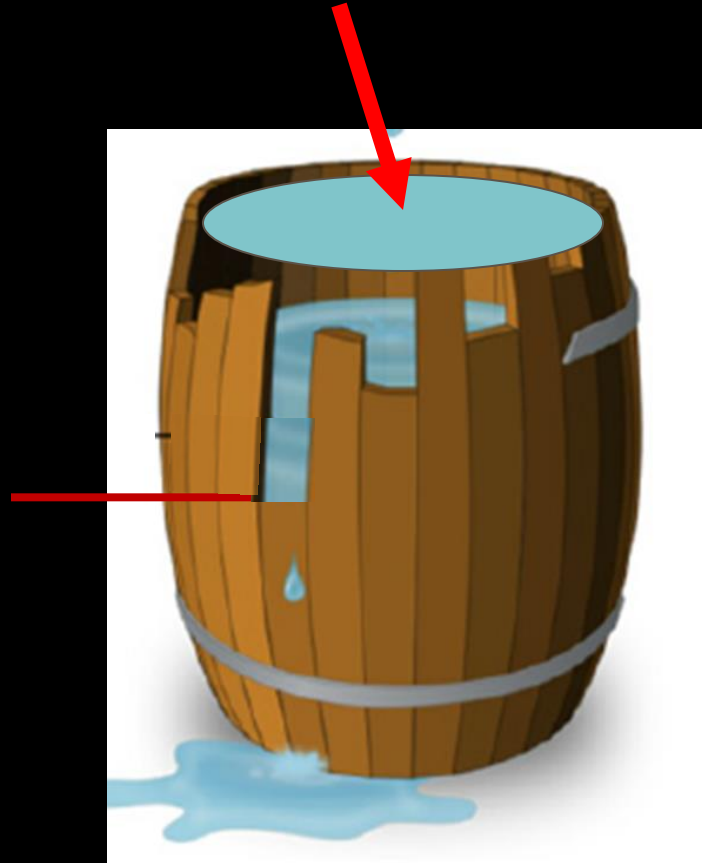
Colorado State University- Lory Student Center

[REGISTER](#)

Our aim is to translate environmental knowledge and concern into action that supports a new economy through all of our careers and activities in the future. The potential high school students hold for making changes in their own communities and the world is incredible. Our goal is to deliver a message of inspiration and hope.

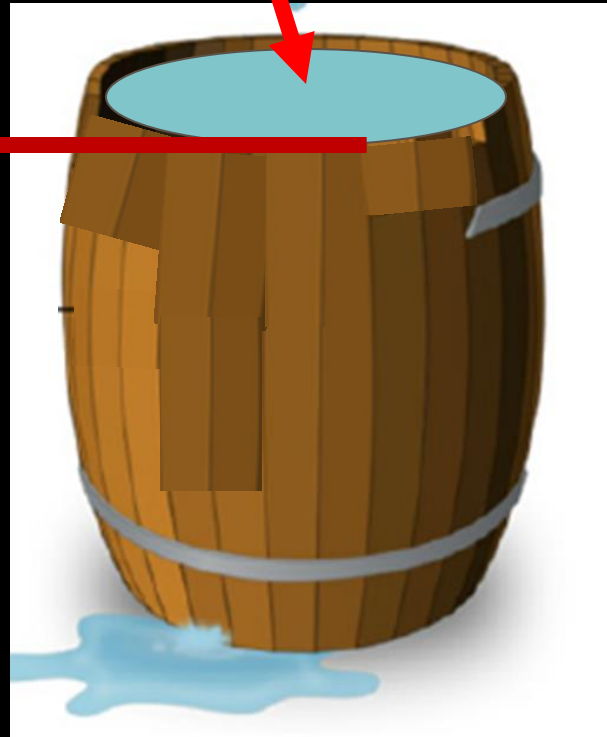
Goal of Sustainable Economy

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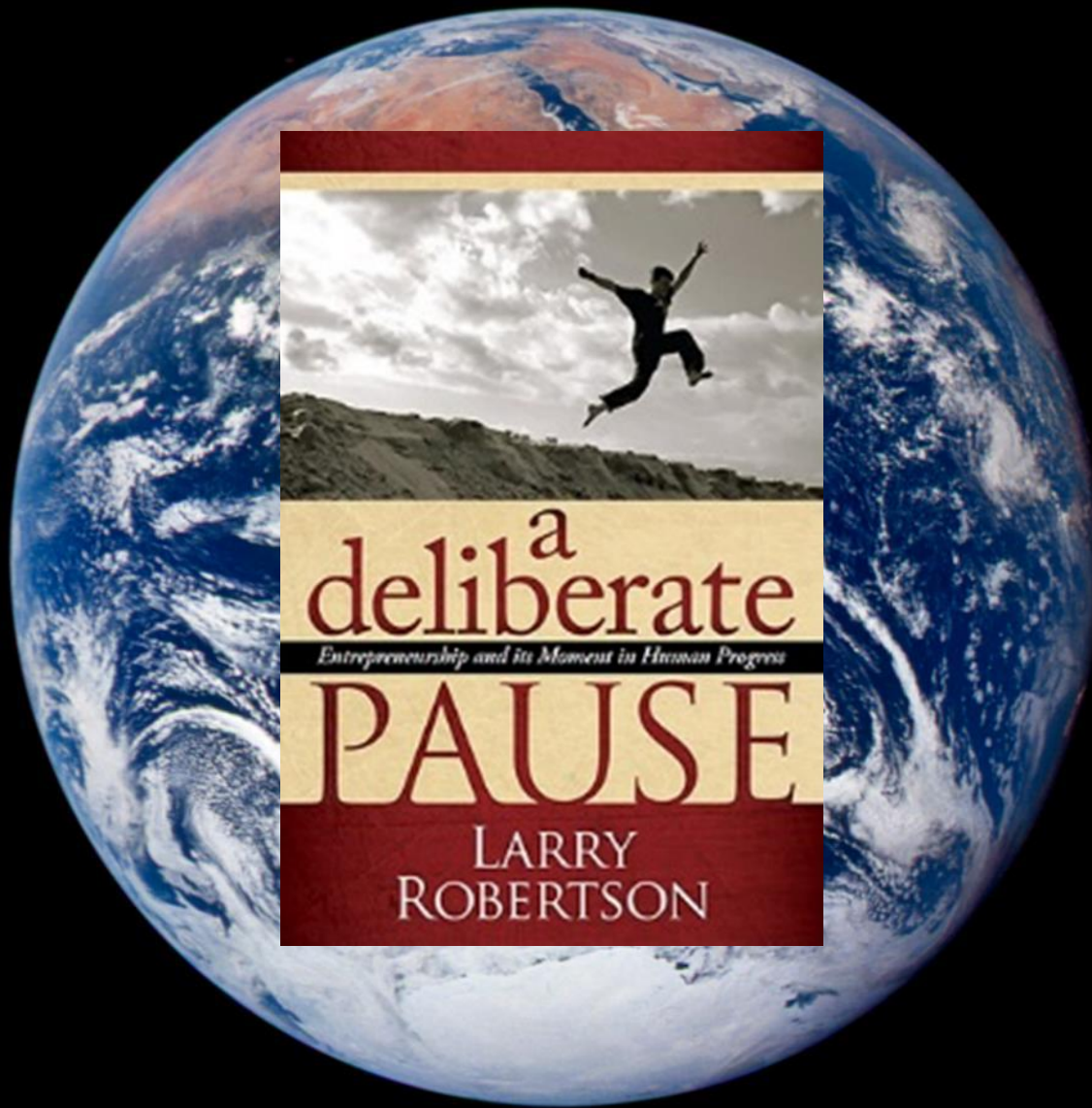




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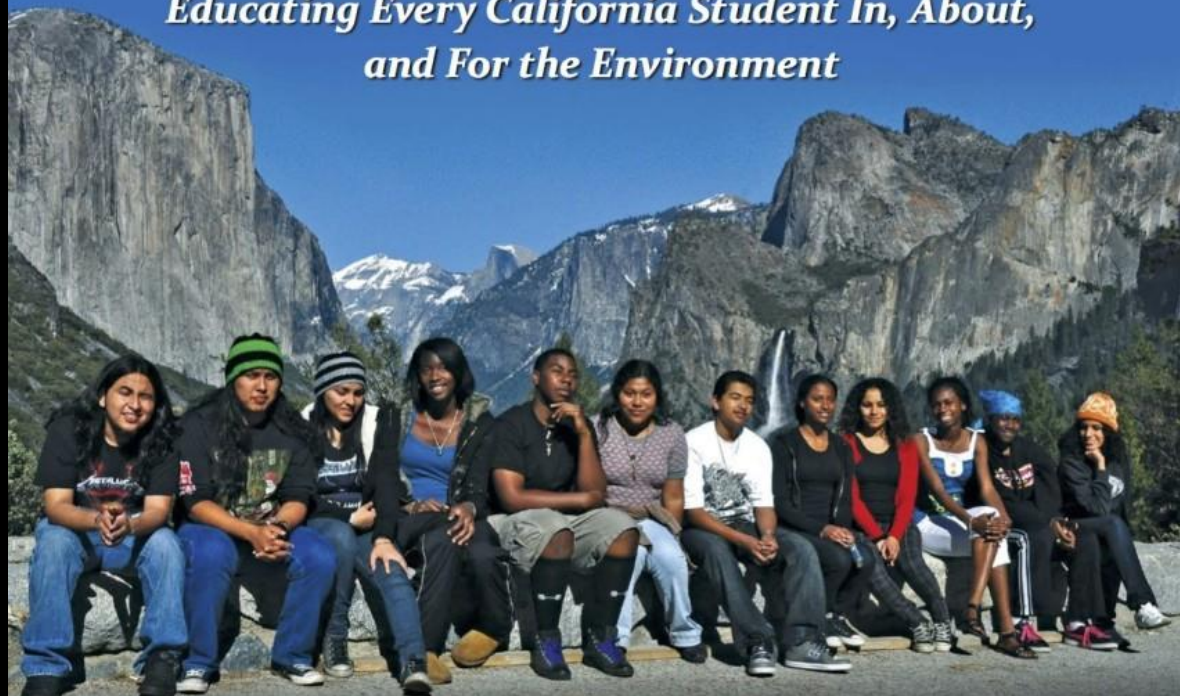


Entrepreneurship and its Moment in Human Progress

A Blueprint For Environmental Literacy



*Educating Every California Student In, About,
and For the Environment*



One of several career-related goals from the California Environmental Literacy Blueprint

<http://www.cde.ca.gov/pd/ca/sc/documents/envronliteracyblueprint.pdf>

‘Establish a state-level advisory council that provides common messaging across the state regarding the value and importance of environmental literacy to formal education and career readiness.’