

MEILIC SOCIAL SCIENCE PROGRAMME 2020 - 2021

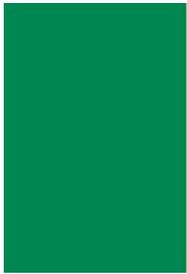
Universidad de Oviedo
Departamento de Ciencias de la Educación
John K. White
johnkw.meilic@uniovi.es
johnkwhite.ie/UniOviMEILIC

UNIT 3 Society

- ◎ Big Ideas in Social Science
- ◎ Green energy (RRR!, plastic, carbon footprint)
- ◎ Politics and society
- ◎ Cities and urban environments

- ◎ Activities, activities, activities!

- ◎ Reading, homework



TEACHER

Knowledge and Enthusiasm
(and safety)

SOCIAL SCIENCE TEACHER

Inquisitive
ASK WHY?

ACTIVITY-BASED

TEACHING

1. A bit of theory
2. Some practical applications
(activities!)
3. **LOTS of INSPIRATION**

Teachers inspire others to learn

LIFE LONG LEARNING

The Social Science Curriculum

GEOGRAPHY	HISTORY	SOCIETY
<p>The universe and solar system</p> <p>The earth: climate zones, seasons, landscapes</p> <p>Climate change, pollution, recycling, water as a natural resource</p> <p>Maps</p>	<p>Timelines</p> <p>Important events in Spain and Asturias</p> <p>Family – School – Town – Country</p>	<p>Types of government</p> <p>Democracy, Spanish Constitution, Citizenship</p> <p>Economics: Sectors, Jobs, Entrepreneurship, statistics</p> <p>Means of transport: private and public</p>

The Big Ideas in Social Science

- Maps – what is the correct projection?



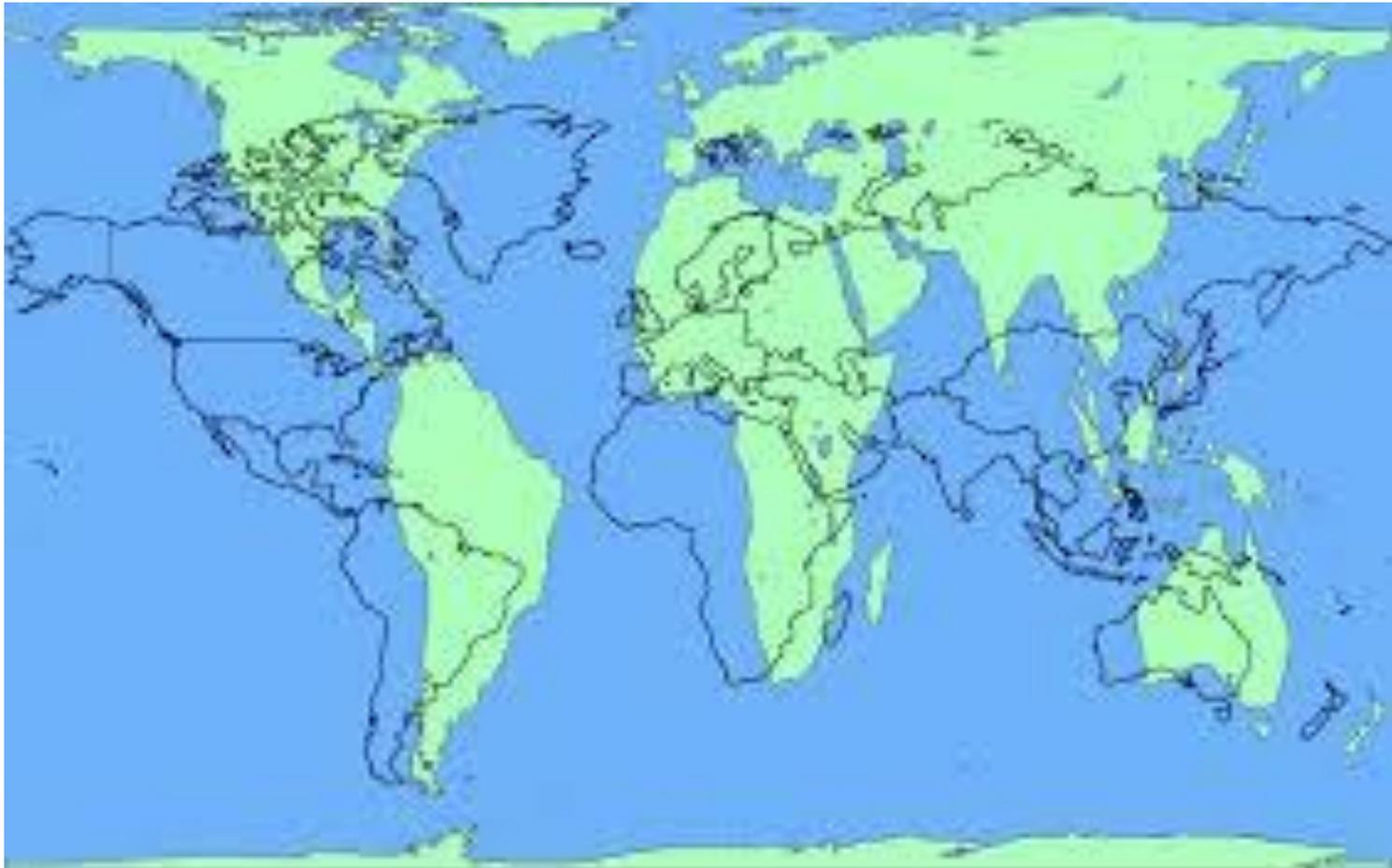
The Big Ideas in Social Science

- Maps – what is the correct projection?



The Big Ideas in Social Science

- Maps – what is the correct projection?



The Big Ideas in Social Science



LEF

&



MLK

The Big Ideas in Social Science

- Reverend Martin Luther King Jr

I Have a Dream (August 28, 1963, at the Lincoln Memorial, Washington D.C.)

I am happy to join with you today in what will go down in history as the greatest demonstration for freedom in the history of our nation.

Five score years ago, a great American, in whose symbolic shadow we stand today, signed the Emancipation Proclamation. This momentous decree came as a great beacon light of hope to millions of Negro slaves who had been seared in the flames of withering injustice. It came as a joyous daybreak to end the long night of their captivity.

But one hundred years later, the Negro still is not free. One hundred years later, the life of the Negro is still sadly crippled by the manacles of segregation and the chains of discrimination. One hundred years later, the Negro lives on a lonely island of poverty in the midst of a vast ocean of material prosperity. One hundred years later, the Negro is still languished in the corners of American society and finds himself an exile in his own land. And so we've come here today to dramatize a shameful condition.

...

The Big Ideas in Social Science



Ursula von der Leyen & Charles Michel

The Big Ideas in Social Science

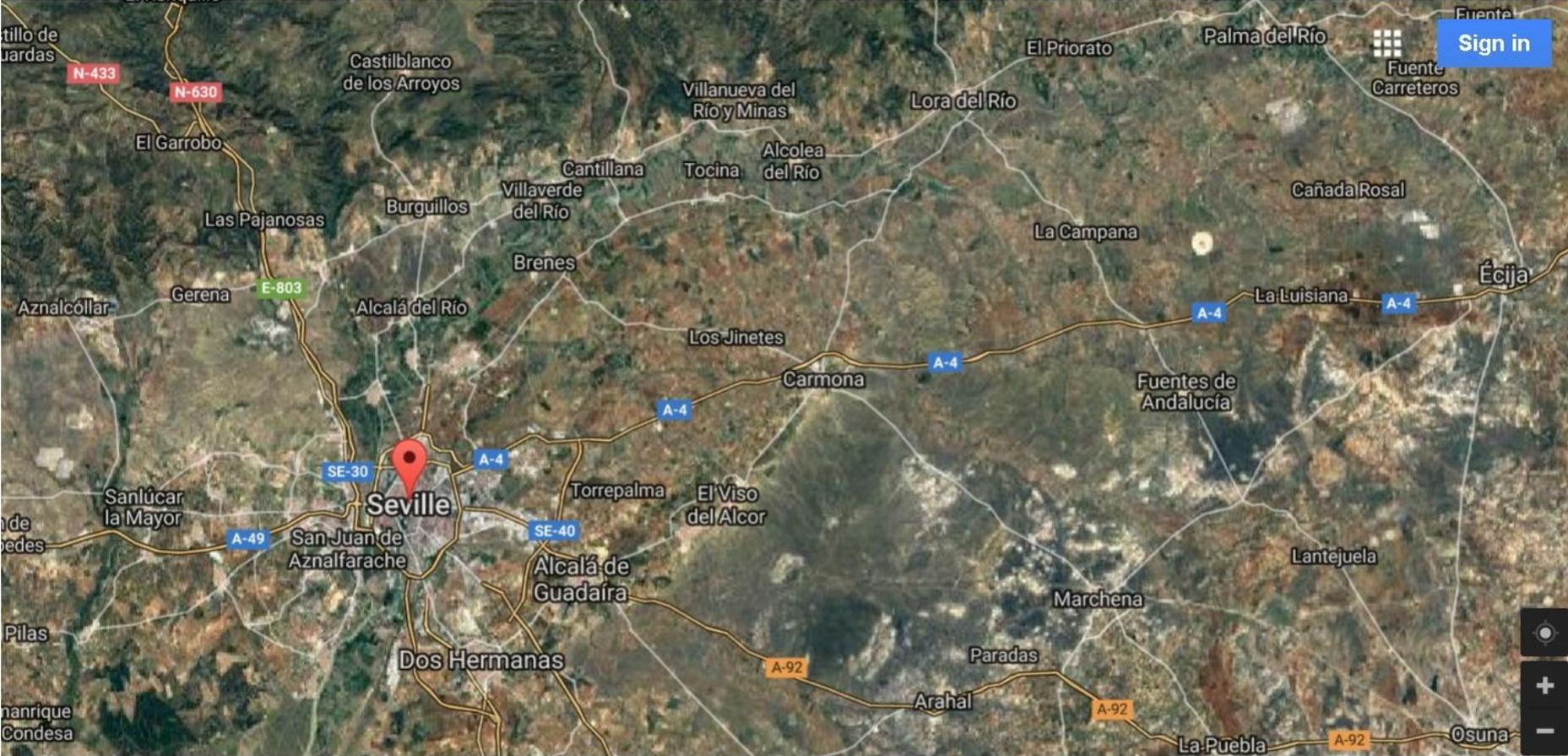


Charles Michel & Ursula von der Leyen

The Big Ideas in Social Science



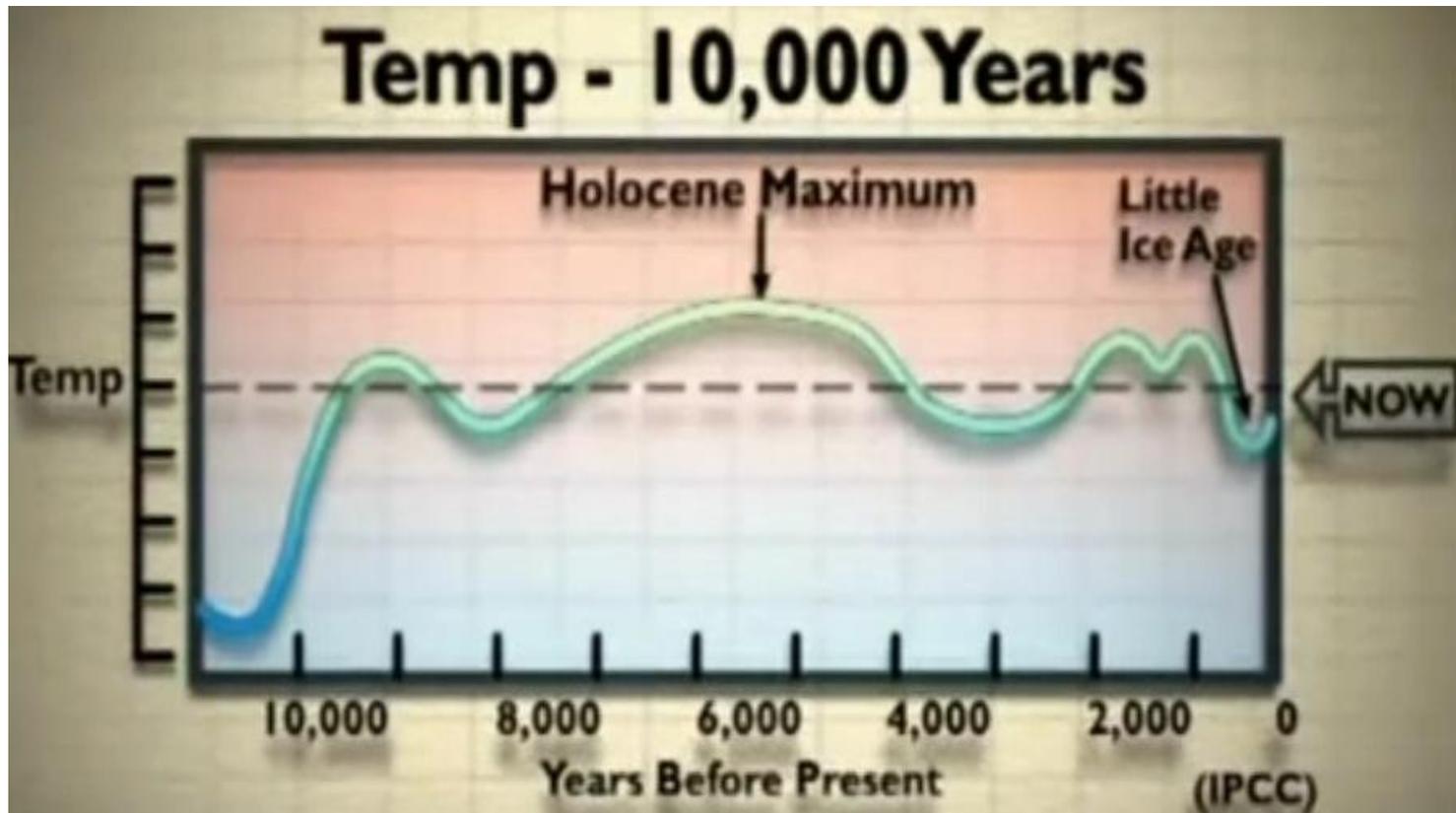
The Big Ideas in Social Science



Google Maps (Satellite): Andalusia, Spain

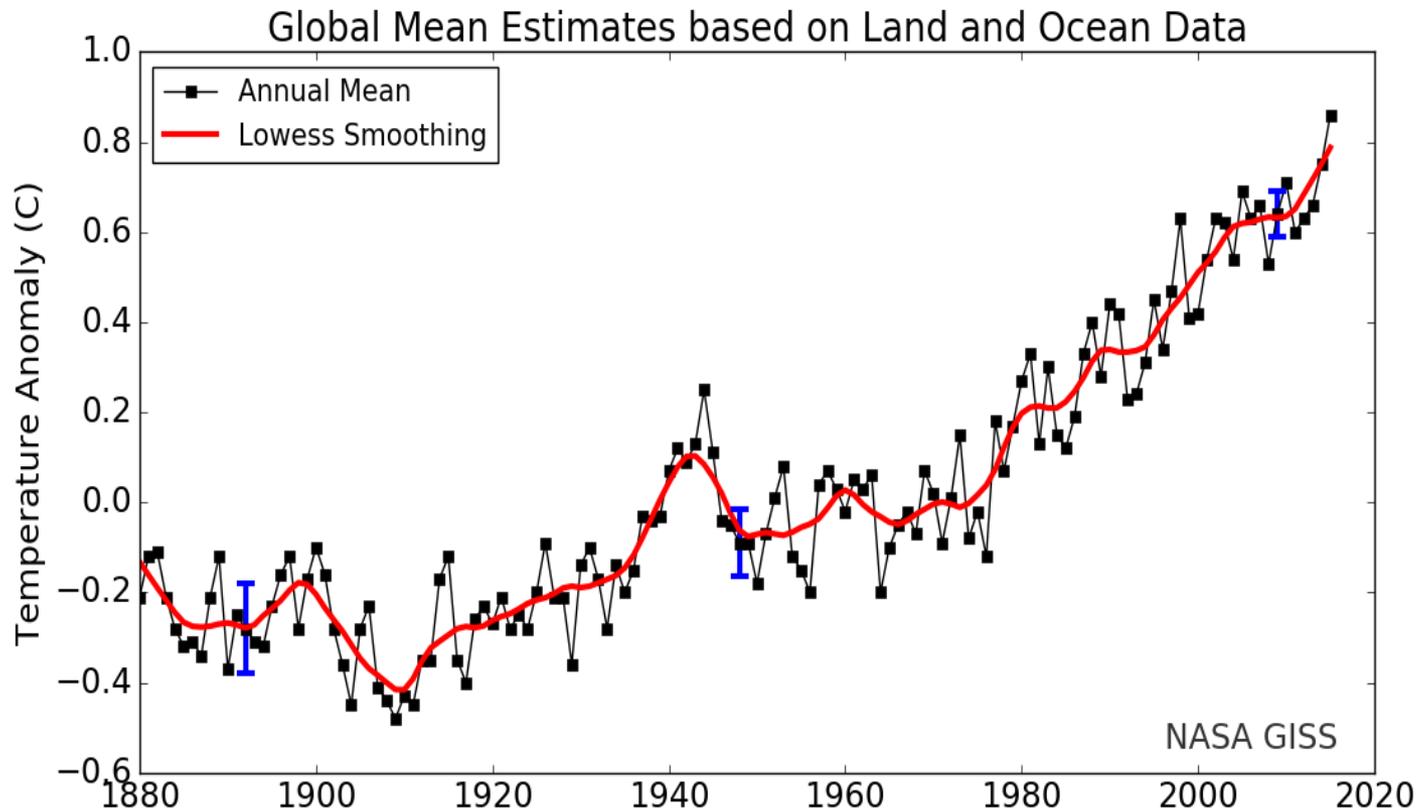
The Big Ideas in Social Science

- Global warming and climate change?



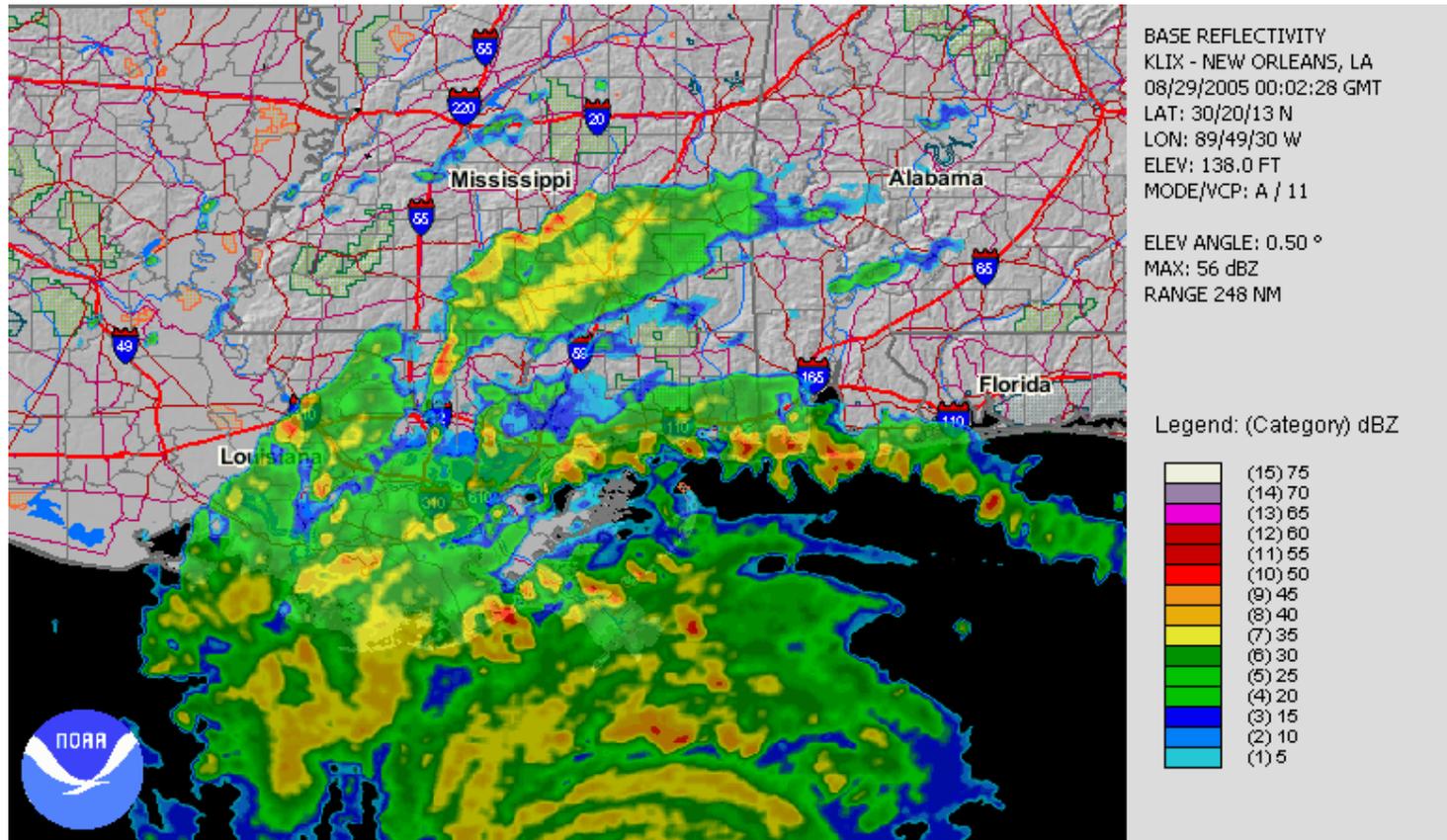
The Big Ideas in Social Science

- Global warming and climate change?



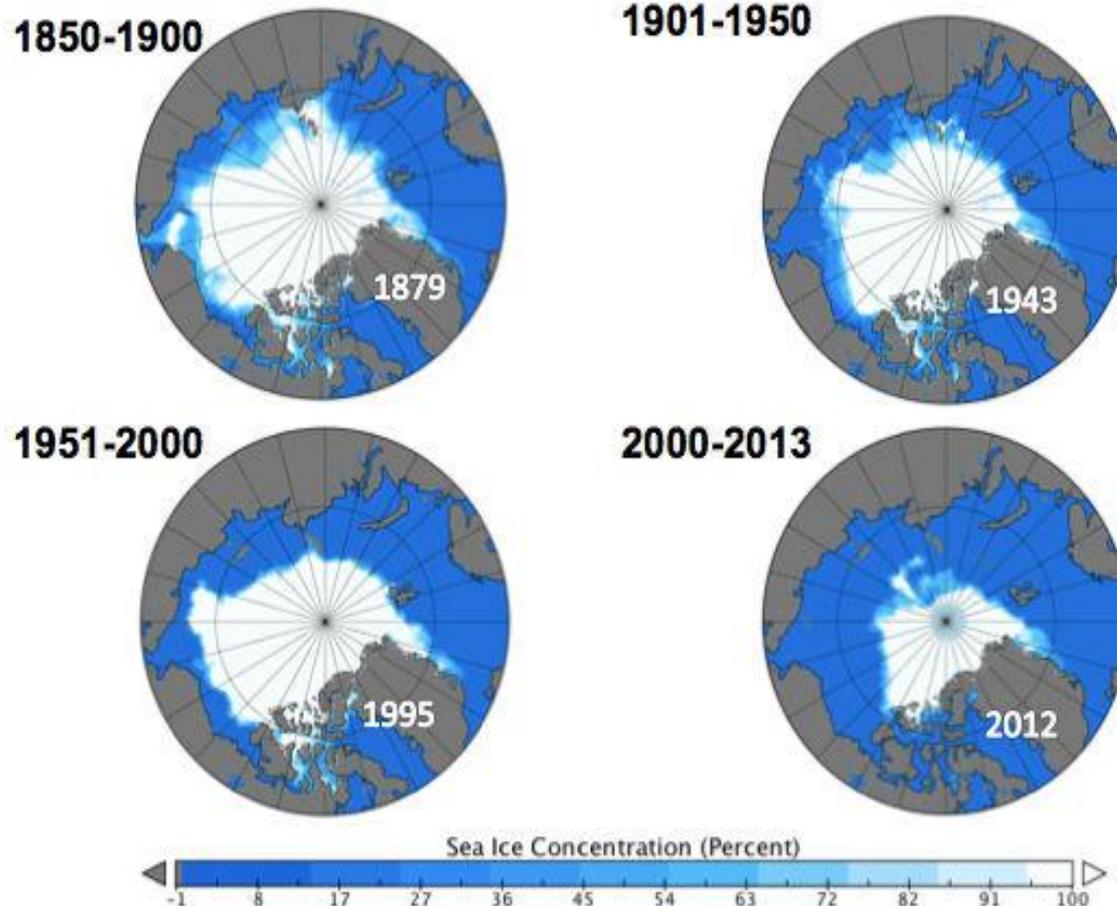
The Big Ideas in Social Science

- The Earth and its climate are shaped by everyday processes.



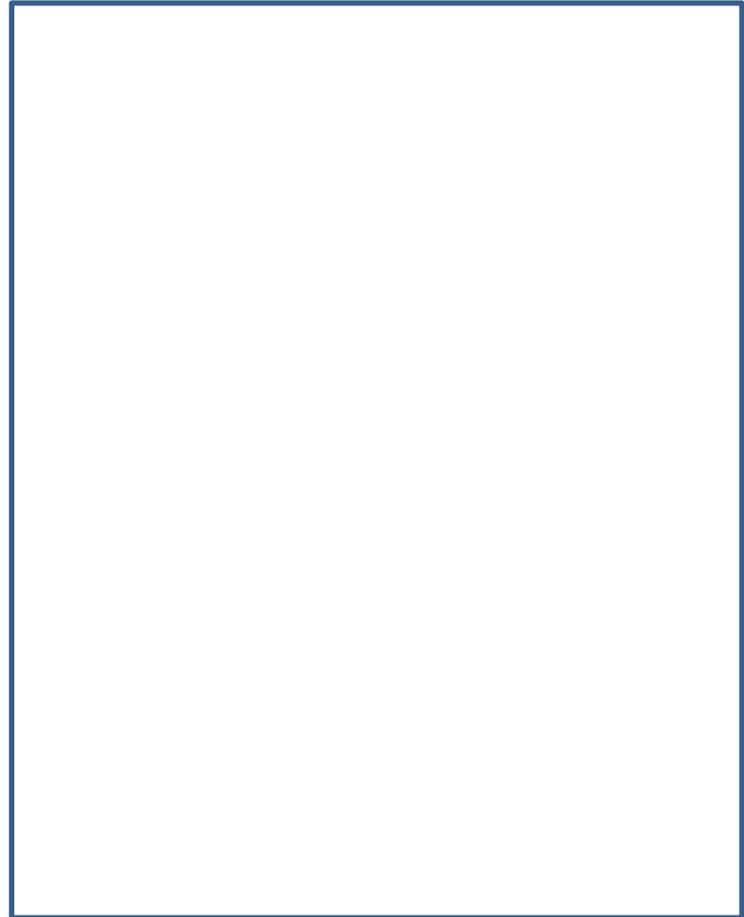
The Big Ideas in Social Science

- Our dying cryosphere (Sept. sea-ice minimum)

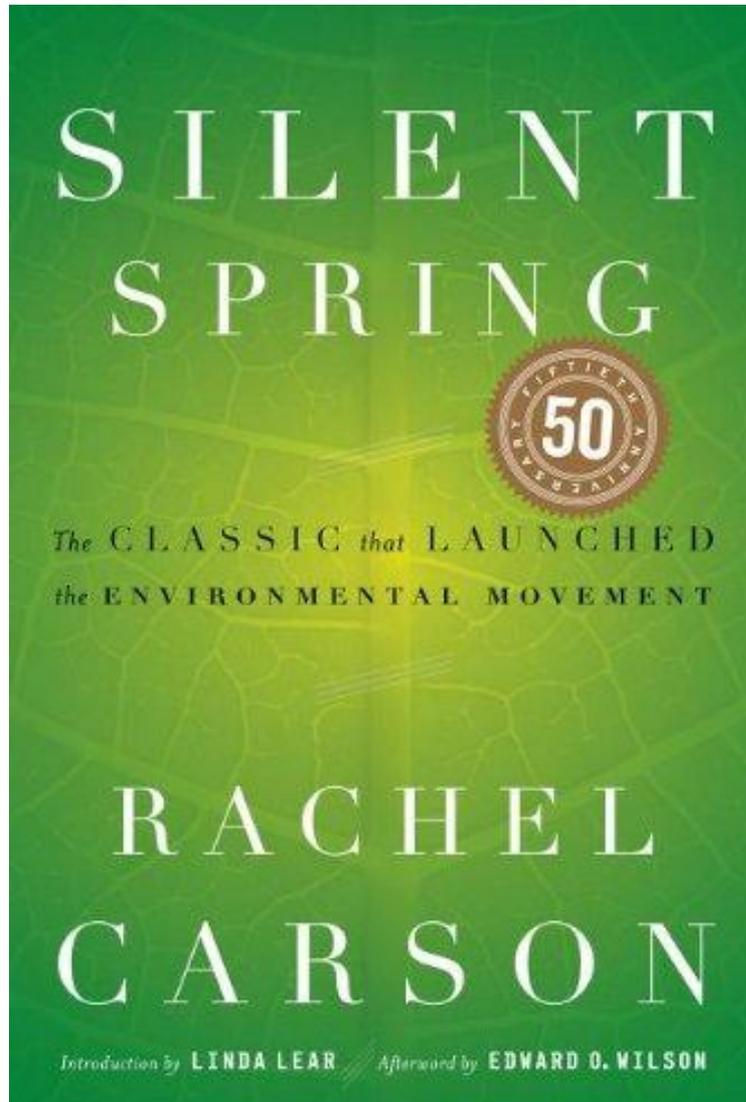


The Big Ideas in Social Science

- Our dying cryosphere (non-linear AGW)



The Big Ideas in Social Science



We stand now where two roads diverge. But unlike the roads in Robert Frost's familiar poem, they are not equally fair. The road we have long been traveling is deceptively easy, a smooth superhighway on which we progress with great speed, but at its end lies disaster. The other fork of the road – the one "less traveled by" – offers our last, our only chance to reach a destination that assures the preservation of our earth.

– Rachel Carson

The Big Ideas in Social Science



earthrise/Pale Blue Dot



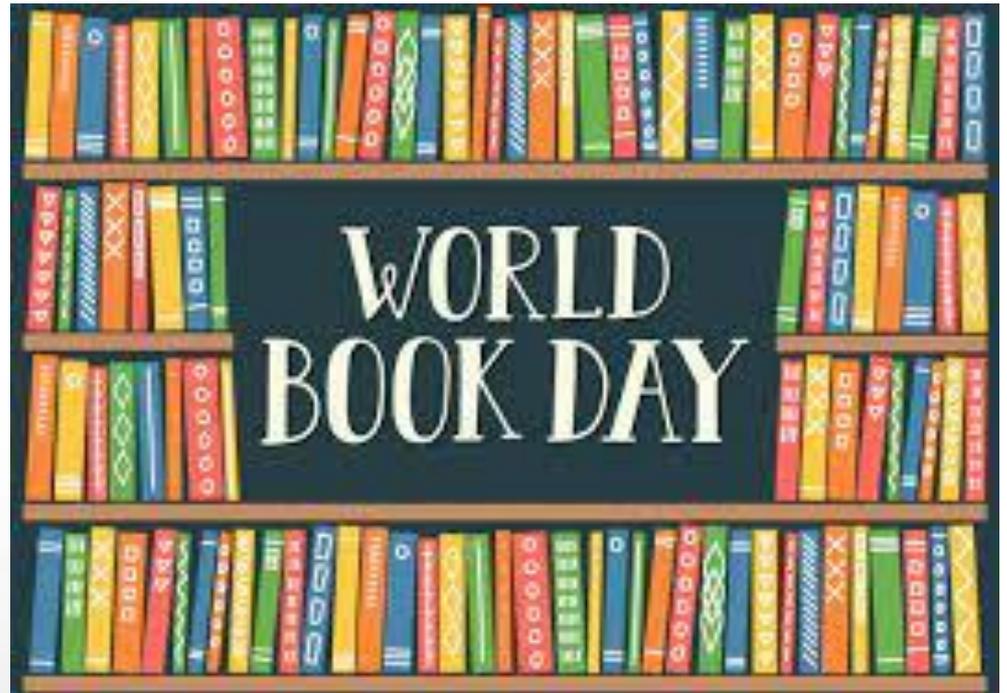
“We came all this way to explore the moon, and the most important thing is that we discovered the Earth.”

— William Anders, Apollo 8 astronaut

“This universe is bigger than all of us. That earthrise photo gave us the sense that we live on a fragile planet, that we have limited resources, and that we better learn to take care of it.”

— Apollo 8 commander Frank Borman, remarking on seeing the earth for the first time from the moon, a moment captured by crewmate Bill Anders in his famous *earthrise* picture

EARTH DAY & BOOK DAY

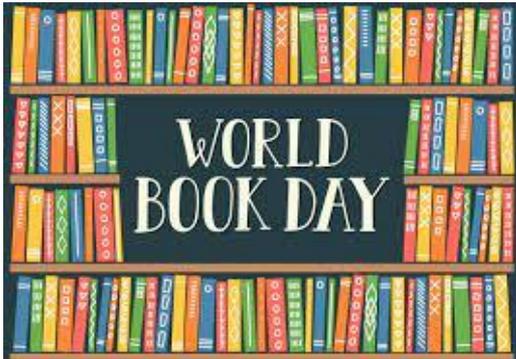


EARTH DAY & BOOK DAY

What kind of festivals to celebrate for students?
What kind of activities?



- **Greta bio**
- make climate posters, signs
- construct RRR containers



- add a line
- write a poem, **collaborative story**
- [record yourself](#)

WHOLE DAY CELEBRATION

FESTIVAL DAYS

January 25	National Voters Day
February 28	National Science Day
March 21	World Forestry Day
April 22	Earth Day
May 22	International Day for Biological Diversity
June 3	World Bicycle Day
July 11	Straw Free Day
August (1st Sunday)	International Friendship Day
September equinox	World Car-Free Day
October 5	Energy Efficiency Day
November (last Saturday)	Buy Nothing Day
December 14	World Energy Conservation Day

50 billion tons of greenhouse gases annually (two-thirds carbon)

RRR

REDUCE

REUSE

RECYCLE

...

refuse (just say “no”), remove (picking up garbage),
refill (so simple), rot (organic decomposition),
replenish, repair, repurpose, redistribute,
regenerate, refurbish, recharge, rebel, rethink,
rebuild, rewire, ...

THE GREAT GRETA

- Where is Greta from?
- How old is Greta?
- What is her occupation?
- How and when did she first become famous?
- What does “SKOLSTREJK FÖR KLIMATET” mean?
- How did she travel across the Atlantic Ocean to speak at the UN?
- Can you state one her conference quotes?

THE GREAT GRETA

Stockholm, Sweden

18 (January, 2003)

student

school strike,
August 2018

SCHOOL STRIKE
FOR CLIMATE

boat



“Right now we are desperate for any sign of hope. People are ready for change.”
– Madrid COP25

[BBC Greta Thunberg: A Year to Change the World](#)

SCHOOL STRIKE



3 Rs Game



How To Play

2-4 Players

1. All players begin on start and move continuously around the board until all the cards have been drawn.
2. Spin the spinner and move forward based on the number you land on.
3. If you land on a picture of a garbage man, draw a card.
4. After you draw a card , decide if the item should be reduced, reused, or recycled . Place the card in the column you think is correct.
5. Continue playing until all the cards have been drawn.
6. Use the answer key to check the placement of each players cards. Players receive one point for every correct answer. Some items fit into more than one category.
7. The player with the most points wins.

Game pieces: Cut and fold.



Glass Bottle



Paper Bag



Soda Can



Aerosol Can



Can



Empty Plastic Bottle



SUV



Plastic Bottle



Milk Carton



Glass



Old Newspaper



Plastic Spoon



Pizza Box



Plastic Crate



Plastics



Gift Bag



Plastic Bag



Rusty Barrels



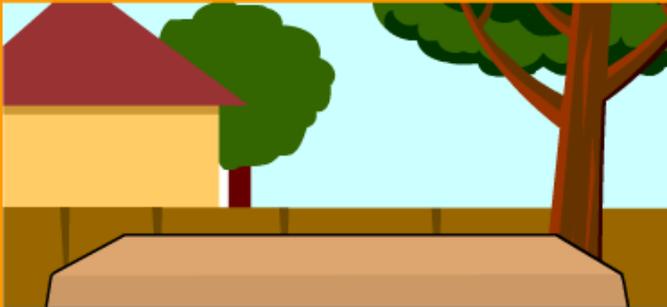
Cardboard Box



Old Tires

Drag And Drop

Drag the items into the bins to show what can be recycled, composted, thrown away, or sold at a yard sale.

 <p>trash</p>	 <p>recycle</p>
 <p>compost</p>	 <p>yard sale</p>
	



scrap mobile phones at a recycling facility in Tokyo



a pile of plastic bottles at a recycling centre in China



hundreds of flowers made from recycled plastic water bottles



a world globe created using recycled bottles for Earth Day

RRR

**What can you see in the photo?
How can it help the environment**





recycling around the world



recycling around the world

CRAZY!



RRR

**What do you do to help the environment?
Do you think people do enough?**



CONSERVATION IDEAS

GENERAL

- [The Eden Project](#)
- [Energy Star](#)
- [Slow Food](#)
- [Circular Economy Action Plan](#)
- [Punto Limpio](#) (Gijón)
- [Waste Wizard](#) (Toronto)
- [Återbruksgalleria](#) (Sweden)
- [Little Free Library](#)

PLASTIC

- [The Great Bubble Barrier](#)
- [Sky Ocean Rescue](#)
- [The Ocean Cleanup](#)
- [Soulbag](#)
- [Ekoplaza](#)
- [Plastic Soup](#)
- [“Bring your own mug”](#)
- [DGrade](#)

The Eden Project

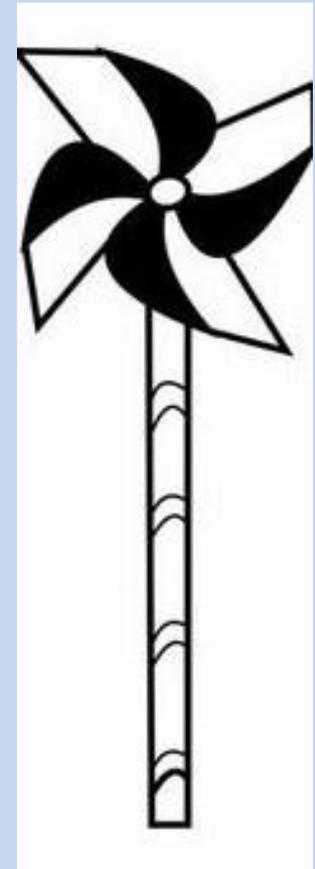


A pinwheel

1. Fold an A4 sheet of paper and cut it into a square.
2. Cut along the diagonals to almost the centre.
3. Fold over each of the 4 left corners to the centre.
4. Pin the corners to the centre and to a stick.
5. Blow or hold in a breeze.



You can colour the sections for effect



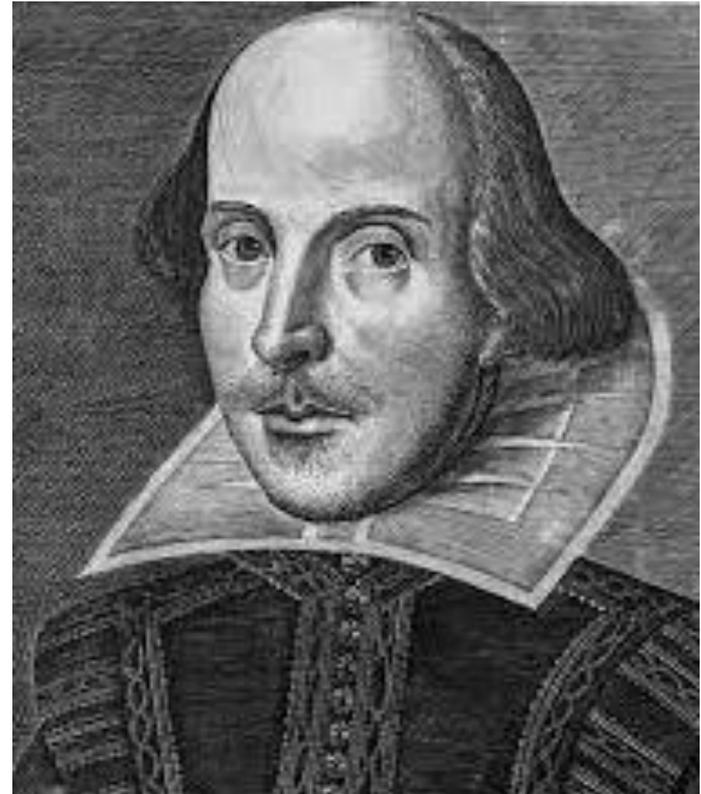
What happens?

International Book Day

What do you know about Book Day? What activities can you make?



1547 – 1616 (April 22)



1564 – 1616 (April 23)

Forms of government

Picture quiz – who and what are they?



WORLD LEADERS QUIZ



PARLIAMENT MATCHING

Duma	United Kingdom	Knesset	Russia
Westminster	China	National People's Congress	Israel
Congreso de los Diputados	Ireland	Bundestag	Spain
Oireachtas	Iceland	Althing	Germany

CAPITAL/RIVER MATCHING

Moscow	United Kingdom	Jerusalem	Russia
London	China	Beijing	Israel
Madrid	Ireland	Berlin	Spain
Dublin	Canada	Ottawa	Germany

Volga	United Kingdom	Jordan	Russia
Thames	China	Yangtze	Israel
Tagus	Ireland	Spree	Spain
Liffey	Canada	Yukon	Germany

CITIES / COUNTRIES

A simple game in turns

Atlanta, Barcelona, Cairo, Dubai, El Paso, Frankfurt, Geneva, ...?

Afghanistan, Netherlands, Switzerland, Denmark, Kenya, ...?

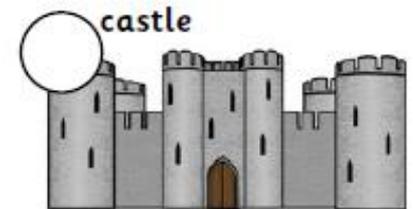
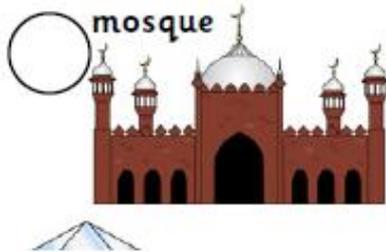
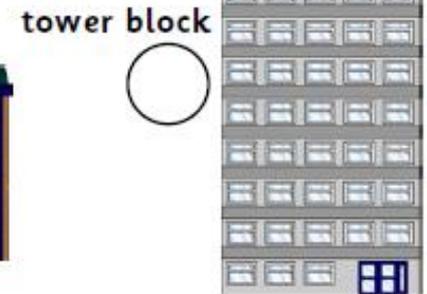
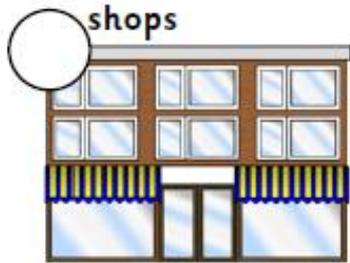
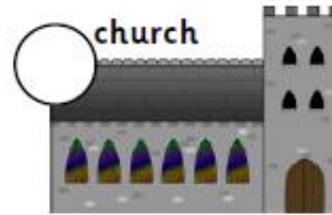
CITIES

nuclear plan, orthogonal plan, mixed plan

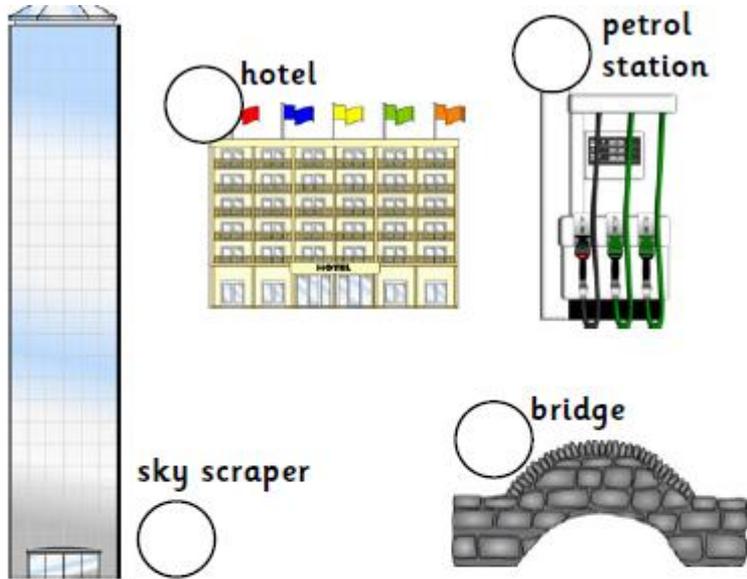


MY CITY WALK

Tick the types of buildings you see as you walk around your town:



MY CITY WALK



Stand and listen for 1 minute.
List 3 things you can hear around you:

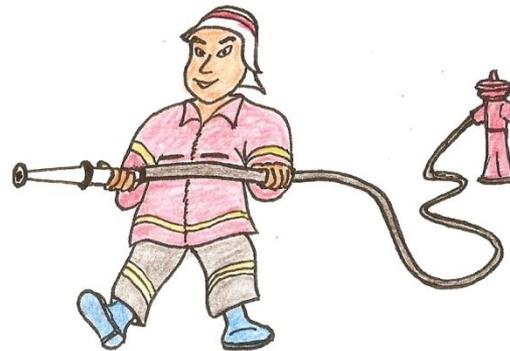
- 1.
- 2.
- 3.



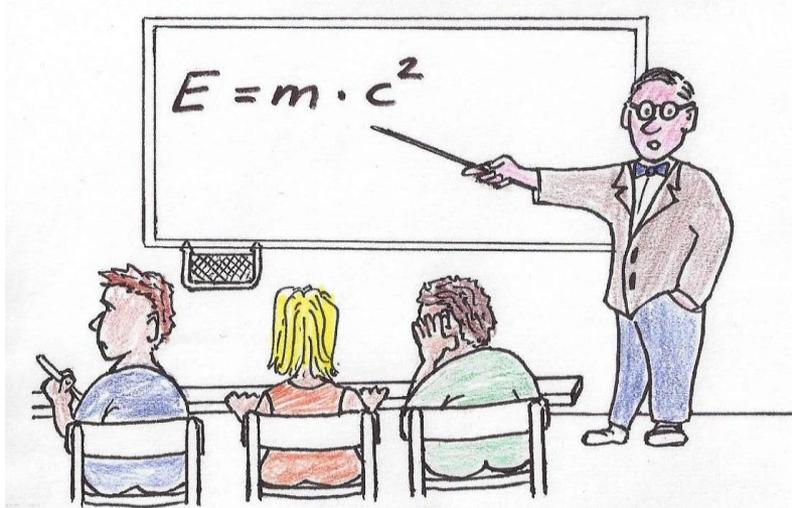
List 6 other things you saw:

- | | |
|----|----|
| 1. | 4. |
| 2. | 5. |
| 3. | 6. |

PROFESSIONS COLOURING



PROFESSIONS COLOURING



STORY TELLING

Knowledgeable

Creative / interested

Engaging with class

Changing voices / characters

Empathetic

ENJOY YOURSELF!

Reading / Bibliography

[“Boston schools ditch conventional world maps in favor of this one,”](#) *Boston Globe*, March 17, 2017.

[“Recycling Around the World,”](#) *Atlantic*, November 9, 2011.

[Sparklebox](#), Primary level teaching resources.

[The Language Magician](#): Support for primary school foreign languages learning and teaching.

Carbon offsetting: [Count your emissions](#)

Electricity consumption: [Count your watts](#)