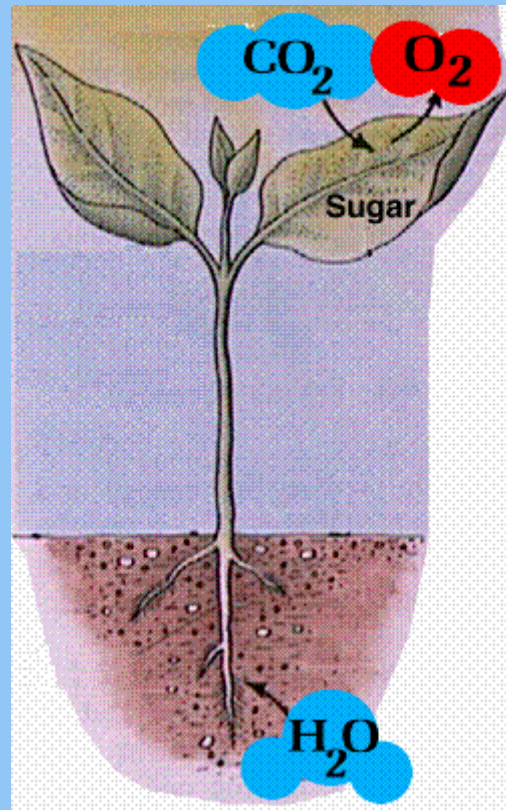


PHOTOSYNTHESIS

Reading Images



Key vocabulary

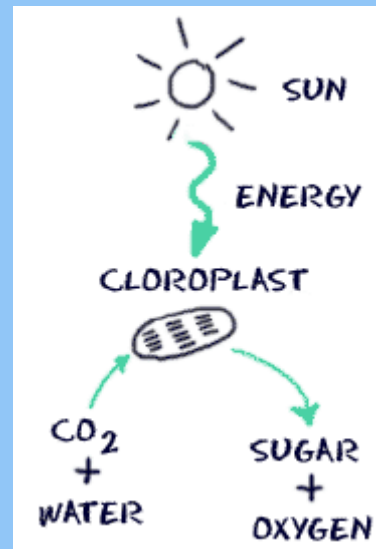
- Photosynthesis
- CO_2 – (Carbon dioxide)
- O_2 (Oxygen)
- Sunlight (Energy)
- H_2O (Water)
- Molecule
- Chlorophyll
- Fuel
- Sugar
- Chloroplast
- Glucose

Text

PHOTOSYNTHESIS -

- Not all of the light from the **Sun** makes it to the surface of the Earth. The little light that does make it here is enough for the plants of the world to survive and go through the process of **photosynthesis**.
- Light is actually energy, electromagnetic energy to be exact. When that energy gets to a green plant, all sorts of reactions can take place to store energy in the form of sugar molecules.
- Photosynthesis happens in the chloroplast.
- The chlorophyll is found in the chloroplasts.
- **Chlorophyll** is the magic compound that can grab that sunlight and start the whole process.
- The other big molecules are water (H_2O), carbon dioxide (CO_2), oxygen (O_2) and glucose ($C_6H_{12}O_6$).
- Carbon dioxide and water combine with light to create oxygen and glucose. That glucose is used in various forms by every creature on the planet.

Picture

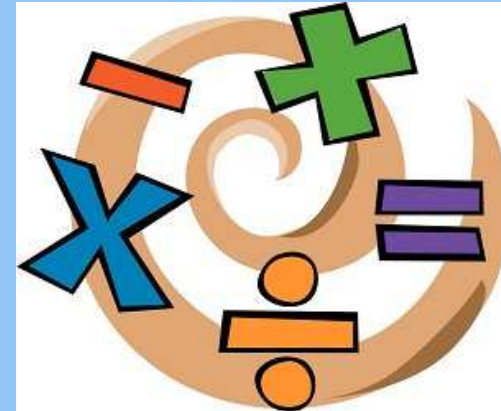




Starting point: our needs

- **EAL session for secondary
EPS PGCE**
- **Specific MFL session on EAL**

Using MFL expertise to assist subject specialists



EPS/MFL/EAL



- EPS
- Case study/EAL pupil
- Autobiography in Target language includes linguistic biography
- Differentiation and Diversity sessions (EPS & EPS)
- Visuals/ stereotypes



Differentiation



- “If a man does not keep pace with his companions, perhaps it is because he hears a different drummer.” *Henry David Thoreau (1817-1862)*

Peer teaching/Collaboration

Task based

- Time line: task introduced in October-presented in February
- Prepare a mini lesson with a subject specialist/groups of 4?
- Working with the strategies of Modern languages pedagogy work together to make the material as accessible as possible to EAL learners
- N.B who are the EAL learners? (recent arrivals to advanced bi-linguals?)

Process/Product

Process

- Collaborative work together on task
- Reflect on strategies used
- Specialists- new strategies or awareness raising of the pupil perspective
- MFLs revisit the strategies covered in Semester 1

Product

- Micro-teach peers mini lesson
- write a plan
- Add ideas to the VLE wiki/discussion/ blog
- Community of practice?

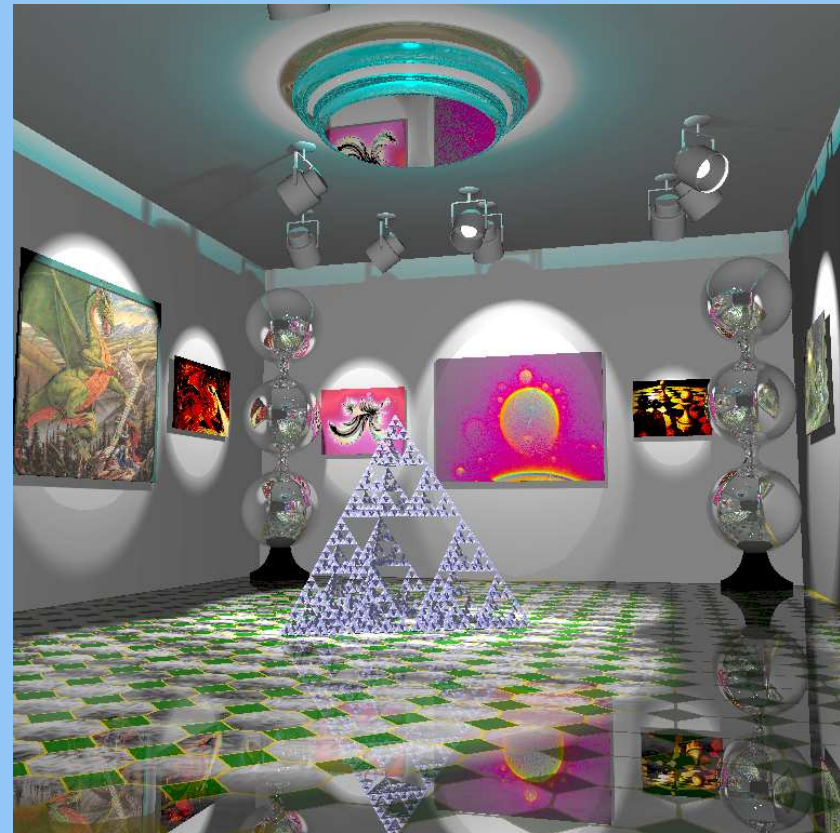


Timeline

October



Showcase February



Action research

- Possibility to follow up with specialist or EPS research project

