

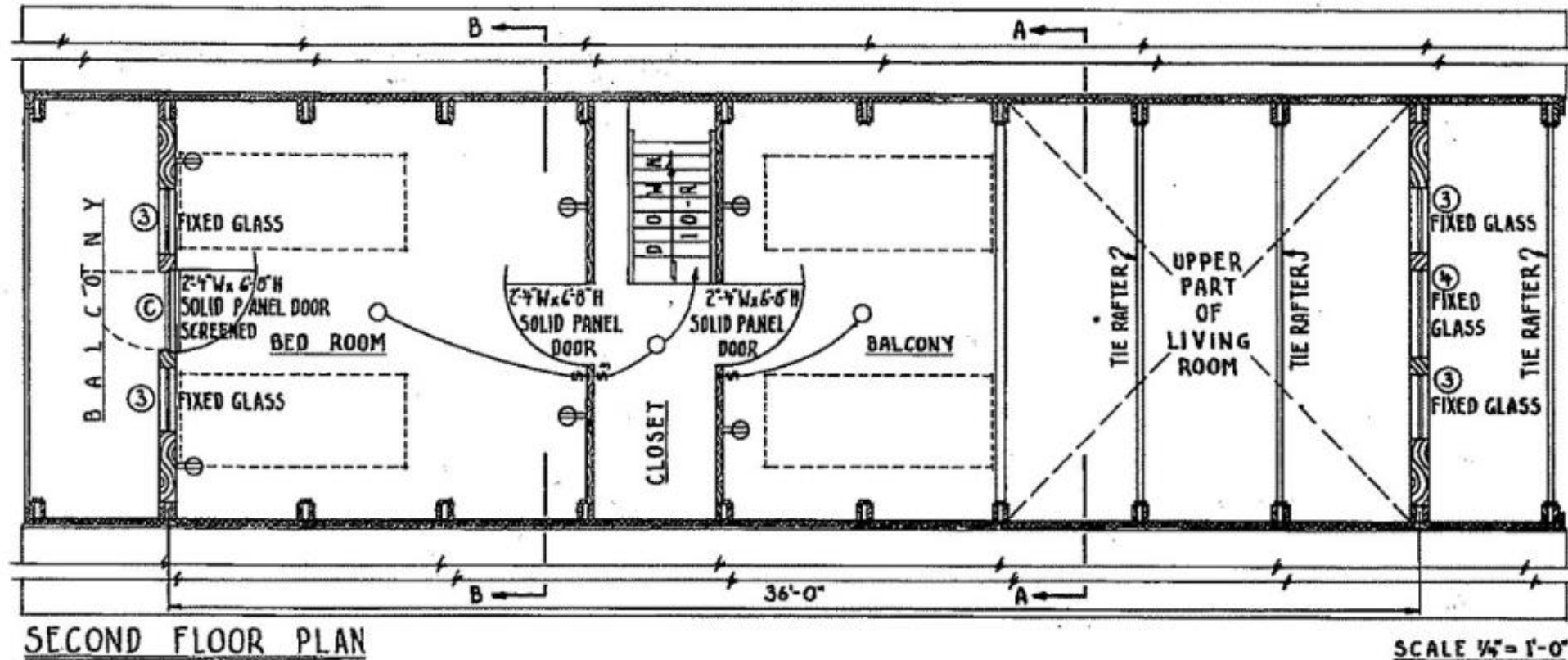


# **Eco School Project**

# Overview and Introduction

In small teams (4-8 pupils) we want you to conduct some research, come up with some ideas and designs, build a model and put on a short presentation about "Eco Schools"

So, first things first, what does "Eco Schools" mean, and what research could you do?



# Questions and definitions

To get started you could discuss some of these questions with your team or class:

- You may have heard the phrase ***Eco Friendly***, what do you think it means?
- You may also hear words and phrases such as ***green, healthy, sustainable, environmentally friendly, organic and fair trade***. Do they all mean the same thing, how are they different?
- Can you think of anything you do at home or in your school that could be considered ***eco or environmentally friendly?***



We want you to take all these ideas and build on them, how can you make your school even more Eco friendly, and what research can you do to learn more about this?

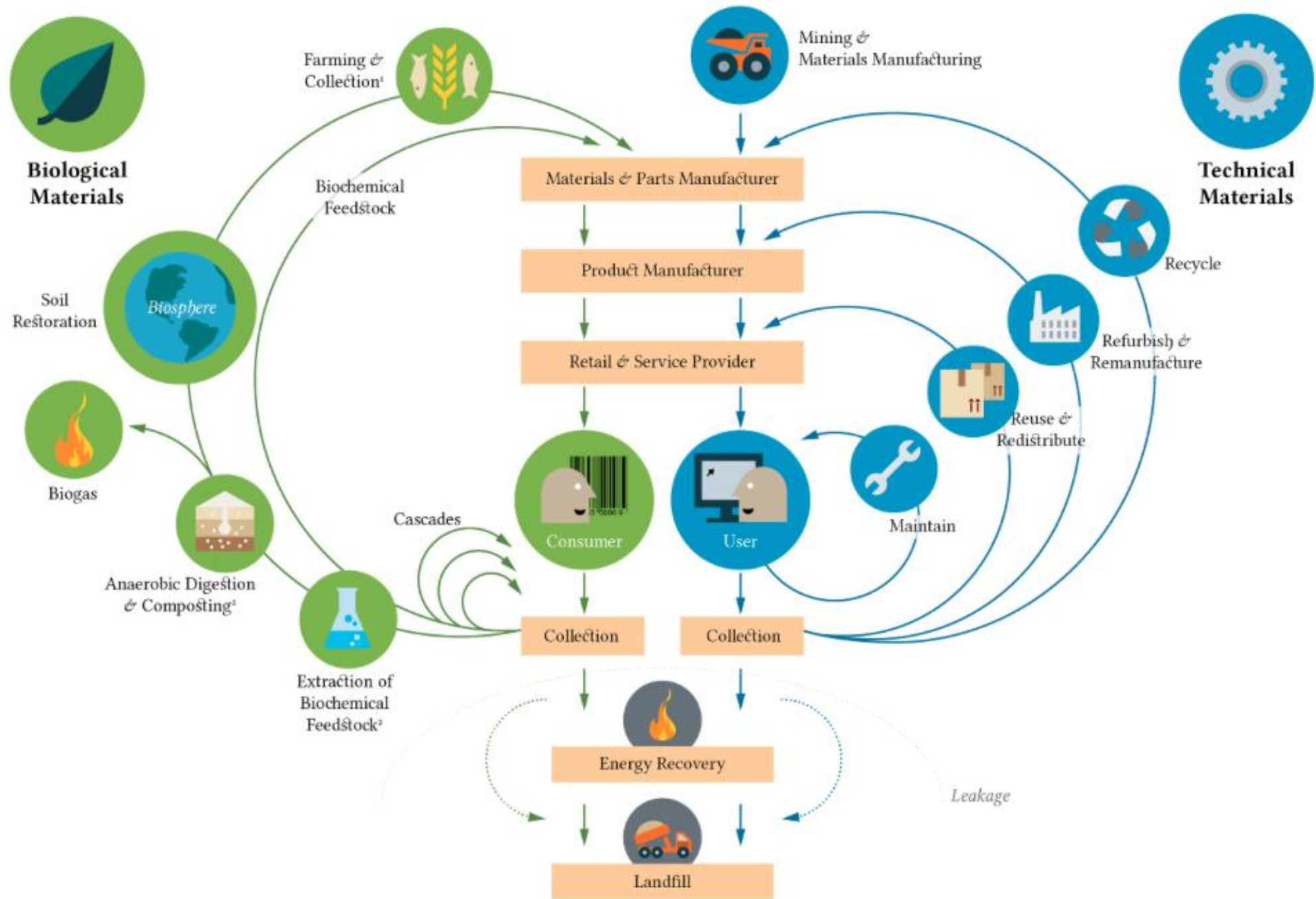
When we talk about things being Eco/environmentally friendly or sustainable, we mean something that tries not to have a negative impact on people or nature. In fact we want to have a positive effect on the world around us.

When we use something or make something we have to think about the lifecycle of that product - where has it been, who designed and made it, where do the materials come from, where will they go now, how much energy and water did it take to make?

You probably already do lots of good things at home and in school, like turning the lights off when you're not in the room, making sure the taps are turned off, recycling waste, even growing some of your own food!

# Checklist

1. Get into your teams! - write a little bit about yourself and include an image
2. Create a team logo
3. Based on your research come up with a definition for an ***Eco-school***
4. Research into some of the key areas mentioned and think about how they relate to your school- use the information on here and in your project folder
5. Create a survey or use the one in your project folder to find out more about how Eco-friendly your school or home is
6. As a team come up with some key ideas to help make your school and classroom more Eco-friendly- use your research, come up with new ideas or inventions, make some drawings
7. Make a video or trailer to tell others about your ideas (it could be a news report, a discussion or a demonstration for example)
8. Make a model to show how your ideas would work in the school or classroom - think about the materials you use to make the model and all the different areas you could show.
9. Prepare a 3 minute presentation to show to visiting experts - talk about your research, your ideas and model and why you think this would be more Eco-friendly and the impact it would have on you and your school.

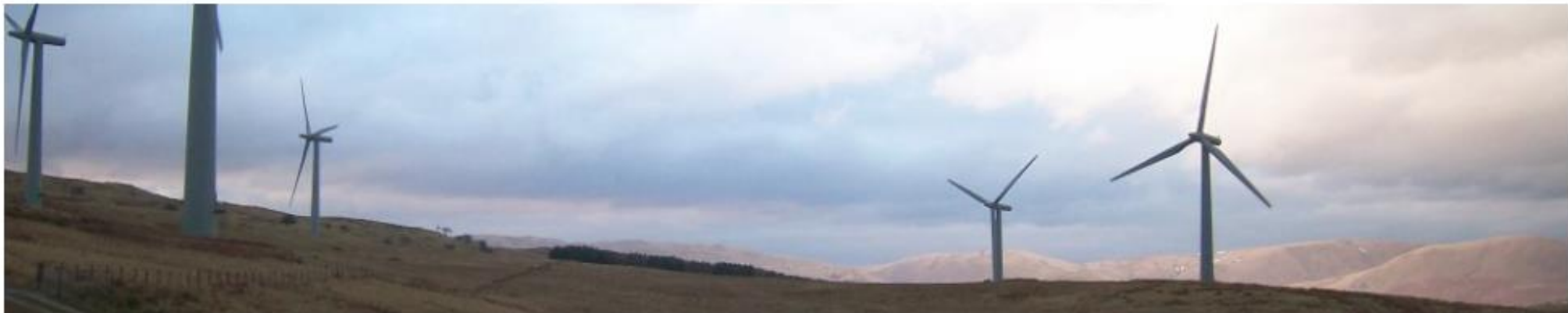


# Key Research Areas

Think about your school and these research topics - perhaps you want to split up your team to research. Remember to save and record everything you find!

## Energy

- Renewable energy vs fossil fuels
- How much and what sorts of energy does your school use?
- Solar panels, wind farms, tidal power
- Energy saving, ideas for your school



## Materials

- Where did they come from and what are they made of?
- How much water/energy did it take to make?
- Who made them and how?
- Can they be reused? What will happen if they break or are no longer needed?
- Natural vs man made





## Recycling

- What is recycling and how do you recycle at school?
- What happens to everything that can't be recycled?
- What can be recycled, can you 'upcycle' anything at school?
- What is the problem with all the waste we produce and where does it go?



## **Water**

- Saving and reusing water in your school
- Water pollution (perhaps look at other places around the world)
- What uses up a lot of water?



## People

- It's really important to think about nature and the environment but also the impact on people
- What impact would it have on you and the others at your school to be more Eco friendly?
- Why is it important for the future?
- Who else could be effected by changes you make?



## Lifecycle

- How long do materials last?
- How far have they travelled (from other parts of the world?)
- What is the life cycle of something in your school (for example growing the trees through to recycling)
- What happens when something is not useful anymore?
- How could the lifecycle of something be changed? (Redesign or recycled perhaps)



# Presentation

We want you to record all your findings throughout this project. Use your folder, conduct surveys, make a video or trailer, make a model, create new ideas and designs and use it all to make a short presentation.

We want to hear something from all of you, and we want to know about your ideas and why you think it's important!