

## Vocabulary

**Sustainable:** A method of managing or using a resource so that the resource is never used up.

**Unsustainable:** A method of using a resource so that the resource will eventually run out.

**Reusable:** Capable of being used more than once.

**Solar energy:** Sustainable energy generated from sunlight.

**Turbine:** Sustainable energy generated from wind.

**Recycle:** Putting materials through a process meaning they can be used again.

**Power station:** A place where electricity is produced.

**Finite:** Having a limited number of something.

**Infinite:** Having an unlimited number of something.

**Greenhouse gases:** Gasses in the earth's atmosphere that trap heat (e.g. carbon dioxide)

**Fossil fuels:** A natural substance formed from the buried remains of ancient organisms that can be used as a source of energy

What are solar cookers? How are they improving the lives of people in less developed countries?



Why is the Lapwing bird in danger?



# Year 4 – Summer 1 Sustainability

## Renewable vs non renewable energy

### Renewable sources of energy I will study



Solar



Wind



Hydro power

### Non-renewable sources of energy I will study



Coal



Natural Gas



Oil



How is sunlight converted into energy?  
Is this a renewable option?



How is wind turned into energy?  
Is this a renewable option?



How are rivers used to make electricity?  
Is this a renewable option?



Oil, coal and natural gasses are also used to make energy.



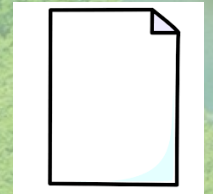
When they are burned, they create greenhouse gas emissions.



These are non-renewable sources of energy. We have a limited supply of them.



How can we make St Agnes more sustainable?



Longley Lane recycling centre trip



Here we will see first-hand what happens to the items we put in our recycling bin.