

# Firecrests Science Spring 2



## Taking care of the Earth

### Logging

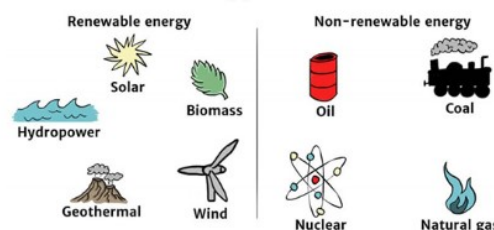
Logging is where trees are cut down and then prepared so that they can be used to be made things like paper, furniture and pencils. Trees are also cut down to make space for building. When people cut down trees they are destroying animals homes.



| Key Vocabulary       | Definition                                                                       |
|----------------------|----------------------------------------------------------------------------------|
| <b>Biodiversity</b>  | The variety of plant and animal life in the world                                |
| <b>Contamination</b> | The action of making something impure by polluting                               |
| <b>Deforestation</b> | The action of clearing a wide area of trees                                      |
| <b>Earth</b>         | The planet on which we live, the world                                           |
| <b>Fossil Fuels</b>  | A natural fuel, such as coal or gas, formed from the remains of living organisms |
| <b>Fumes</b>         | An amount of gas that is dangerous to inhale                                     |
| <b>Landfill</b>      | The disposal of waste material by burying it                                     |
| <b>Logging</b>       | The activity of cutting down trees and preparing the timber                      |
| <b>Manufactures</b>  | Making something that is ready to be used                                        |
| <b>Materials</b>     | The matter from which a thing is or can be made                                  |
| <b>Natural</b>       | Something made from nature and not made by humans                                |
| <b>Non-renewable</b> | An energy source that cannot be remade                                           |
| <b>Pollution</b>     | Something which has a harmful or poisonous effect on the Earth                   |
| <b>Recycle</b>       | To convert waste into a reusable material                                        |
| <b>Renewable</b>     | Something which is non depleted when used                                        |
| <b>Resources</b>     | A material available in our environment                                          |
| <b>Reuse</b>         | To use something again, more than once                                           |
| <b>Rubbish</b>       | Waste material, litter                                                           |

### Renewable and Non-renewable sources of energy

Renewable energy sources are things that can be replenished over time. They are natural resources, not things made by humans. Renewable energy sources include sunlight and wind energy. Solar panels help to store and produce energy from sunlight and wind turbines help to turn wind into energy that can be used to power our homes. Non-renewable resources include oil and coal. These are



things that cannot be remade. We dig coal up from under the ground. Once we have used up all the coal, we will not be able to make any more. Oil is dug up from the Earth and is used for things such as petrol for cars. Once the oil runs out people will have to find alternative energy resources.

### Pollution

There are several different types of pollution including water, air, littering and noise. Pollution is a problem affecting the whole world, with more people driving cars and using plastic packaging. Pollution is more of a problem in built-up urban areas but is slowly spreading to more rural areas. Pollution is also affecting animals by poisoning their habitats.

### Recycling

Recycling is something which more and more people are doing. Recycling is the process of converting waste materials into new materials and objects. This concept often includes the recovery of energy from waste materials. Recycling helps to protect ecosystems and wildlife and conserve natural resources.



*End of Unit: Taking care of the Earth*

*What is logging?*

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*What does recycling mean?*

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*What are the different types of pollution?*

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