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| Year 7: Physics - Energy | Energy stores | I can name several different forms of energy that energy can be stored or transferred |  |
| I can give examples of everyday processes where energy is transferred. |  |
| I can draw energy transfer diagrams for a range of changes. |  |
| I can use the idea of conservation of energy in my descriptions of energy transfer. |  |
| Fuel | I can explain the difference between renewable and non-renewable energy sources |  |
| I can give examples of fossil and renewable energy sources |  |
| I can evaluate different energy sources |  |
| I can |  |
| Food as fuel | I can explain how we can trace back the energy we get from fuels to the Sun |  |
| Fossil fuel | I can name different types of fuel. |  |
| I can classify coal, gas and oil as fossil fuels. |  |
| I can draw an energy transfer diagram to show changes involved in formation and combustion of coal and of oil. |  |
| Renewable energy | I can describe solar, wind, wave etc. as examples of renewable energy sources. |  |
| I can describe problems associated with burning carbon based fuels as energy sources. |  |
| I can carry out an investigation into the energy output of solar cells. |  |
| I can use results and those from previous lessons to comment on the advantages and disadvantages of solar power |  |
| living sustainably | I can use ideas related to sustainability to suggest fossil fuel dependency should be reduced. |  |
| I can describe alternative energy resources to fossil fuels. |  |
| I can explain where the original source of energy comes from for several renewable energy resources. |  |

**7P1 – Energy**