# Combustion

## Topic Checklist / Progression Check

| I know this colour green | I'm not sure colour yellow | I don't know this colour red |
|---|---|---|

| Subtopics and Learning Objectives | Start | End |
|---|---|---|
| **Burning Fuels** | | |
| - Describe the reactions of hydrogen and hydrocarbons with oxygen | | |
| - Use word equations to model combustion reactions | | |
| - Describe how to test for the products of combustion reactions | | |
| **Oxidation** | | |
| - Describe oxidation reactions of metals and non-metals | | |
| - Explain changes in mass seen in oxidation reactions | | |
| **Core Practical – Investigating Chemical Reactions** | | |
| - Investigate the changes in mass when copper carbonate and magnesium are heated. | | |
| **Air Pollution** | | |
| - Describe pollutants that are formed by burning fuels | | |
| - Explain how these pollutants cause problems and how their effects can be reduced | | |
| **Global Warming** | | |
| - Describe the greenhouse effect and how it is caused | | |
| - Explain how human activity may be causing global warming | | |
| **Recycling Materials** | | |
| - Explain the advantages of recycling | | |
| - Describe the recycling of some materials such as metals, glass and plastic | | |

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