

Year 11 workshop package

The package includes the first five experiments + an option to choose two of the other experiments (other suggestions are welcome)

Experiments relevant to syllabus

- Fireworks
- Solvay process
- Activity of metals
- Titration (chlorine content)
- Thermochemistry

Outcomes

- Explosions and collisions of molecules
- Decomposition of a carbonate into CO_2
- The reaction of metals with water and acids
- Ionic equations and precipitation
- Endothermic/exothermic reactions

Select one of the following

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| • Making esters | • Esterification reaction |
| • Surface tension of water/oil | • Properties of water: Surface tension and viscosity (observe on different surfaces) |
| • Liquid N_2 and gases experiment (\$50 surcharge) | • Different phases of gases e.g. Ar, liquid N_2 and CO_2 at low temperatures and 25 °C |