ACTIVITY 6 – Core Practicals

Chemistry

1.7C	**Investigate solubility of a solid in water at a specific temperature**
1.13	investigate paper chromatography using inks/food colourings
1.36	know how to determine the formula of a metal oxide by combustion (e.g. magnesium oxide) or by reduction (e.g. copper(II) oxide)
1.60C	**Investigate the electrolysis of aqueous solutions**
2.14	determine the approximate percentage by volume of oxygen in air using a metal or a non-metal
2.21	investigate reactions between dilute hydrochloric and sulfuric acids and metals (e.g. magnesium, zinc and iron)
2.42	prepare a sample of pure, dry hydrated copper(II) sulfate crystals starting from copper(II) oxide
2.43C	**Prepare a sample of pure, dry lead(II) sulfate**
3.8	investigate temperature changes accompanying some of the following types of change: salts dissolving in water; neutralisation reactions; displacement reactions; combustion reactions.
3.15	investigate the effect of changing the surface area of marble chips and of changing the concentration of hydrochloric acid on the rate of reaction between marble chips and dilute hydrochloric acid
3.16	investigate the effect of different solids on the catalytic decomposition of hydrogen peroxide solution
4.43C	**Prepare a sample of an ester such as ethyl ethanoate**