# YEAR 11 A - F – CHEMISTRY

**WEEK 2  (29th March to 2nd April)**

**Work sent to the students through Whats app group / Google classroom/Zoom Learning Platform**

**Lessson Objective:** Revise  Mole concept , Electrolysis and Calculations.

**Resources:** Text book, Worksheet file, video, past papers and power point presentations.

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| Sunday – 4th  period (boys)<br>Sunday – 7th   period  (girls) | Evaluate the advantages of recycling metals, including economic implications and how recycling can preserve both the environment and the supply of valuable raw materials.<br><br><br>Explains that extraction of metal from metal oxide ore involves removal of oxygen which is a reduction process.<br><br>Identify the process of reduction and oxidation in the given chemical reaction.<br><br><br>Read textbook<br><br>Solve past papers.<br>Complete worksheet file questions. |
| Monday – 3rd & 4th period  (girls)<br> Tuesday – 5th & 6th period  (boys) | Calculate the concentration of solutions in mol $dm^{-3}$ and convert concentration in g $dm^{-3}$ into mol $dm^{-3}$ and vice versa.<br><br><br>Carry out simple calculations using the results of<br><br>titrations to calculate an unknown concentration of a solution or an unknown volume of solution required.<br><br><br>Calculate the percentage yield of a reaction from the actual yield and the theoretical yield.<br><br><br>Read textbook |

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| | Solve past papers.<br>Complete worksheet file questions. |
| Wednesday - 1$^{st}$ and 3$^{rd}$ (boys)<br>Tuesday – 7$^{th}$ period (girls)<br>Thursday – 7$^{th}$ period (girls) | Calculate the atom economy of a reaction forming a desired product.<br><br>Use the molar volume and balanced equations in calculations involving the masses of solids and volumes of gases.<br><br>Use Avogadro's law to calculate volumes of gases involved in a gaseous reaction, given the relevant equation<br><br>Read textbook<br><br>Solve past papers.Complete worksheet file questions. |