

PAPER 2			
<u>Topic 6-Rates of Reaction</u>			
6.1-Calculating rates of reaction			
6.2- Factors which effect the rate of reaction			
6.3- Collision theory and activation energy			
6.4- Catalysts			
6.5- Reversible reactions			
6.6- Energy changes and reversible reactions			
6.7-Equilibrium			
6.8-The effect of changes conditions on equilibrium (HT)			
6.9-The effect of changing concentration (HT)			
6.10-The effect of changing temperature (HT)			
6.11-The effect of changing pressure (HT)			
REQUIRED PRACTICAL: DISAPPEARING CROSS			
<u>Topic 7-Organic Chemistry</u>			
7.1-Crude Oil, hydrocarbons and alkanes			
7.2-Fractional distillation and petrochemicals			
7.3- Properties of hydrocarbons			
7.4-Cracking and alkenes			
<u>SPEC 8- Chemical Analysis</u>			
8.1-Pure Substances			
8.2-Formulations			
8.3- Chromatography			
REQUIRED PRACTICAL: CHROMATOGRAPHY			
<u>Topic 9-Chemistry of the Atmosphere</u>			
9.1-Gases in the atmosphere			
9.2-The Earths early atmosphere			
9.3-How Oxygen Increased and Carbon Dioxide decreased			
9.8-Properties of effects of atmospheric pollutants			
<u>Topic 10- Earth's Resources</u>			
10.1- Using the Earth's resources			
10.2-Potable water			
10.3- Waste water treatment			