مدرسة الكويت الانجليزية
KUWAIT ENGLISH SCHOOL

Key Stage : Curriculum Information for Chemistry Year 7

Year	Autumn Term		Spring Term		Summer Term
7	**Experiments in Chemistry:** Laboratory Safety rules Apparatus in chemistry Hazard symbols The Bunsen burner The states of matter Changing states Matter and particles	**Explaining Physical changes:** Heating and cooling Melting, evaporation and boiling Condensation and freezing Sublimation Compressing matter Diffusion **Revision for the end of term examination.**	**Solutions:** Solubility Dissolving: physical or chemical change? Speeding up dissolving Types of solvents The effect of temperature on the solubility of solids The effect of temperature on the solubility of gases Analysing Solubility graphs	**Separating mixtures:** Decanting Filtration Evaporation Centrifugation Simple and fractional distillation Chromatography	**Atoms and Elements** Atoms and their symbols Properties of metals and non-metals The Periodic table **Revision for the end of year examination.**

Key Stage : Curriculum Information for Chemistry Year 8

Year	Autumn Term		Spring Term		Summer Term
8	**Chemical and physical changes**: Chemical change Physical change Thermal decomposition of $CuCO_3$ & $CuSO_4$ The Synthesis of MgO	**Elements, mixtures & compounds:** Defining and understanding the differences between elements, mixtures and compounds The chemical and physical properties of Iron, Sulphur and Iron Sulphide Understanding the formulae of compounds I**dentifying Acids & Alkalis in the laboratory using:** Litmus paper / solution Universal indicator **Revision for the end of term examination.**	I**dentifying Acids & Alkalis in the laboratory:** Making Red Cabbage indicator Neutralisation in the laboratory Neutralisation in real life	**The Air:** The composition of gases in the air Determining the percentage of O_2 in the air The laboratory preparation of O_2 The catalytic decomposition of H_2O_2 Reactions of metals and non-metals with oxygen	**Corrosion and Rusting:** Corrosion Rusting Investigation rusting Investigating rust prevention Investigating the properties of: Metal oxides Metal carbonates **Revision for the end of year examination.**

Key Stage : Curriculum Information for Chemistry Year 9

Year	Autumn Term		Spring Term		Summer Term
9	**Particles and matter** Atomic structure The Periodic table The reactions of groups 1 with oxygen The reactions of groups 1 & 2 with water	**The properties of the Halogens** Preparation of Chlorine Metals + Halogens Halogen displacement Properties of Transition metals & the Noble gases **Revision for the end of term examination.**	**Salt preparation**: In excess / filtration method Titration Precipitation The solubility table	**Formulas & Equations** Naming compounds Valency and predicting valencies Writing formulae Balancing equations	**Investigating carbonates** Identifying carbonates and hydrogencarbonaes Thermal decomposition of Calcium Carbonate The properties and uses of carbonates **Revision for the end of year examination.**