



ASSESSMENT INFORMATION FOR STUDENTS – SUMMER 2021

SUBJECT: CHEMISTRY

YEAR GROUP: 11

From Easter to May half term, we will be revising and assessing content to build your Chemistry portfolio. You will be revising in one lesson each week with a short assessment in the last lesson; your teacher will mark this in order to form a contribution to your final grade.

The following table shows the topics covered each week in the assessment.

Checklist references after each topic.

Week commencing 19th April (Paper 1) 26 marks/30 mins Bonding, structure and properties of ionic compounds, small covalent molecules and giant covalent compounds. (8, 9) Limiting reactant calculations (12) Definitions of redox reactions (11) Energy level diagrams (14) Limitations of the particle model (5) Mole and volume of a gas calculations (19)	Week commencing 26th April (Paper 1) 29 marks/30 mins Properties of Transition metals (6) Displacement reactions of metals (11) Practical methods to determine reactivity of metals (11) Relative atomic mass calculations (12) Energy changes in neutralisation reactions and method. (12, 14) Calculations involving mass and concentration of solutions (20) Method of a titration (20) Calculation from a titration (20)
Week commencing 3rd May (Paper 1) 34 marks/35 mins Conservation of mass experiment (12) Separation methods (1) Calculation of atom economy (12) Electrolysis, observations and explanations (13) Changes of state (5) Trends in properties of the halogens (4) Reacting mass and mole ratio calculations (12)	Week commencing 10th May (Paper 2) 30 marks/30 mins Flame tests (24) Sodium hydroxide tests (24) Negative ion tests (24) Plotting graphs Calculating average rates of reaction (16) Factors affecting rate of reaction (16) Surface area to volume ratio calculations (10) Factors affecting the position of an equilibrium and reversible reactions. (17)
Week commencing 17th May (Paper 2) 30 marks/30 mins Alkanes and alkenes, structure, bonding and reactions (21, 22) Chromatography and calculating R_f values (29) Structure, formulae and reactions of carboxylic acids (25)	

The assessments will have similar structure with short and longer answer questions.

There will be mathematical components in the assessments and reference to required practical.