



SCIENCE YEAR PLANNER (LTP) YEAR 10 CHEMISTRY TRILOGY



Term	Learning content/skills	Assessment Schedule*	Home Learning Support (How students can extend learning in addition to homework)
Autumn 1	5.2 Bonding, structure and the properties of matter. Teach or review depending on progress during yr9 <ul style="list-style-type: none">5.2.1. Chemical bonds, ionic, covalent and metallic5.2.2 How bonding and structure are related to the properties of substances		<ul style="list-style-type: none">DoddlePurchase of relevant revision guideBBC BitesizeProduction of revision aidsCompletion of relevant past exams questions
Autumn 2	5.2 Bonding, structure and the properties of matter <ul style="list-style-type: none">5.2.3 Structure and bonding of carbon 5.3 Quantitative chemistry <ul style="list-style-type: none">5.3.1 Conservation of mass and the quantitative interpretation of chemical equations5.3.2 Use of amount of substance in relation to masses of pure substances	5.2 Bonding, structure and the properties of matter end of unit test 5.3 Quantitative chemistry end of unit test	<ul style="list-style-type: none">DoddlePurchase of relevant revision guideBBC BitesizeProduction of revision aidsCompletion of relevant past exams questions
Spring 1	5.4 Chemical changes <ul style="list-style-type: none">5.4.1 Reactivity of metals5.4.2 Reactions of acids		<ul style="list-style-type: none">DoddlePurchase of relevant revision guideBBC BitesizeProduction of revision aidsCompletion of relevant past exams questions

*All assessments may be subject to alteration to best suit the learning needs of students.

Term	Learning content/skills	Assessment Schedule*	Home Learning Support (How students can extend learning in addition to homework)
Spring 2	5.4 Chemical changes <ul style="list-style-type: none"> • 5.4.3 Electrolysis 5.5 Energy changes <ul style="list-style-type: none"> • 5.5.1 Exothermic and endothermic reactions 	5.4 and 5.5 Chemical and energy changes end of unit test	<ul style="list-style-type: none"> • Doodle • Purchase of relevant revision guide • BBC Bitesize • Production of revision aids • Completion of relevant past exams questions
Summer 1	Preparation for Year 10 exams Start Year 11 course: 5.6 The rate and extent of chemical change <ul style="list-style-type: none"> • 5.6.1 Rate of reaction 		<ul style="list-style-type: none"> • Doodle • Purchase of relevant revision guide • BBC Bitesize • Production of revision aids • Completion of relevant past exams questions
Summer 2	5.6 The rate and extent of chemical change <ul style="list-style-type: none"> • 5.6.2 Reversible reactions and dynamic equilibrium 5.7 Organic chemistry <ul style="list-style-type: none"> • 5.7.1 Carbon compounds as fuels and feedstock 	5.6 The rate and extent of chemical change end of topic test	<ul style="list-style-type: none"> • Doodle • Purchase of relevant revision guide • BBC Bitesize • Production of revision aids • Completion of relevant past exams questions

