. A. 6 Learning Lourney, Year 7 Chemistry

	Learning Journey. Tear 7 Ch	ennstry
Final Projected Grade last year:	I am happy/unhappy with my final projected grade from last year because	
	<i>To continue to improve my projected grade I need to focus on the habit of</i>	by
Content co Naming an Creating re Solids, liqu Changes of	d drawing lab equipment isults tables and drawing graphs ids and gases state state graphs	TA1 Projected Grade:
Content c Atoms and Inside the Elements a Molecules	I Elements (Dalton's model) atom and the Periodic Table and compound theory ompounds mpounds	TA2 Projected Grade:
Content o Mixtures Purity Dissolving	g Solutions and saturated ation ography	
Final Projected (Grade: Careers: The career that interests me is Subject will help me achieve this because	
EAR HABI		Respectful Responsible Aspirational

Learning Journey: Year 8 Chemistry

Final Projected I am happy/unhappy with my final projected grade from last year because ... Grade last year: To continue to improve my projected grade I need to focus on the habit of _____ by ... Term 1: Year 7 recap and Chemical Reactions **TA1 Projected** Grade: Content covered: Symbols and balancing equations Year 7 recap chemical reactions State symbols Conservation of mass Chemical reactions Oxidation reactions Fuels and combustion Thermal decomposition Term 2: Acids and Alkalis **TA2** Projected Grade: Content covered: Hazards

Group 1 properties and reactivity trend

CHARACTER

HABITS

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Respectful

Responsible

Aspirational

Group 7 properties and reactivity trend

- Acids and Alkalis
- Indicators and pH scale
- Neutralisation
- Making salts
- Metals and acids
- Metals and non-metal oxide

Term 3: Periodic Table

Content covered:

- Groups and periods
- Mendeleev's Table
- Atomic model recap
- Counting subatomic particles
- Electronic structure and Outer shell electrons
- Group 0 properties and reactivity trend
- Metals and non-metals

Final Projected Grade:

Careers:

The career that interests me is ...

Subject will help me achieve this because ...

Hard working

Inquisitive

Resilient

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	Learning Journey: Year 9 Ch	emistry			
Final Projected Grade last year:	ade last year:				
Content co Recap o Reactiv Displac Extractiv Exother	To continue to improve my projected grade I need to focus on the habit of Chemical reactions part 2 extend the fraction's part 1 ity series • Investigating exothermic reactions ity series • Catalysts ement reactions ing metals from ores rmic and Endothermic reactions profile graphs	TA1 Projected Grade:			
Content co • The str	The Earth and atmosphere overed ucture of the Earth entary rocks and fossil fuels	TA2 Projected Grade:			

- Igneous rocks
- Metamorphic rocks
- The rock cycle
- Finite and renewable resources
- Ceramics, polymers and composites
- Conserving the worlds resourcesThe composition of the atmosphere
- combustion
 - Acid Rain
- Carbon Cycle and the greenhouse effect
- Human activities effect on climate change
- Carbon footprint
- Term 3: C1 Atomic Structure and C3 Bonding

Topic 1: Atomic Structure

- States of matter
- Atoms, mixtures and compounds
- Mixtures and separation **RP6**
- Word equations
- Atomic structure and electron configuration
- History of the atom
- Isotopes

Final Projected Grade:

Careers:

The career that interests me is ...

Subject will help me achieve this because ...

METG



Hard working Inquisitive Resilient

Topic 2: Bonding

- Chemical bonds
- Ionic bonding
- Ionic compounds and their properties

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Aspirational

- Covalent bonding
- Metallic bonding

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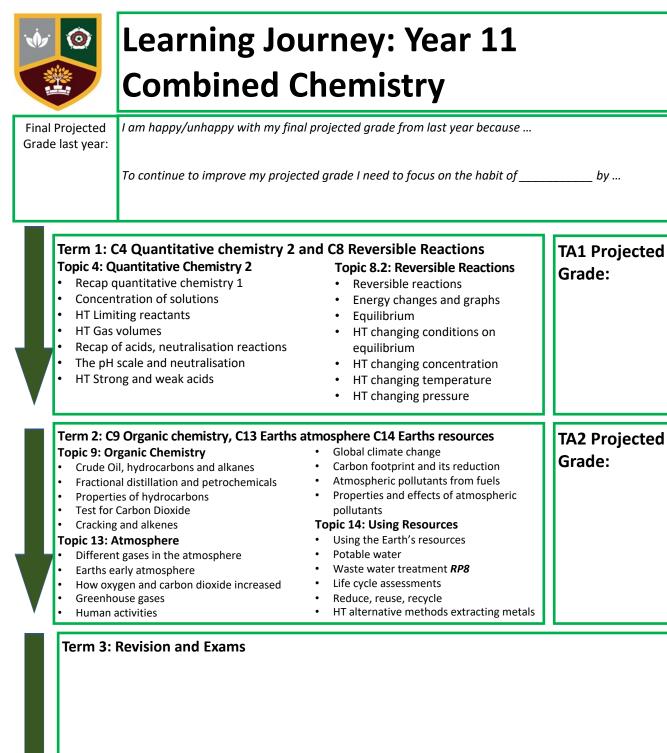
Learning Journey: Year 10 Combined Chemistry

Final Projected Grade last year:

I am happy/unhappy with my final projected grade from last year because ...

To continue to improve my projected grade I need to focus on the habit of ______ by ...

 Term 1: C3 bonding, C2 Periodic Tabl Topic 2: Bonding Giant Covalent structures Properties of metals and alloys Metals conductors 	 e and C7 Energy changes Development of the periodic table Metals and non-metals Groups 1, 7 and 0 	TA1 Projected Grade:
 Diamond Graphite Graphene and fullerenes 	 Topic 7: Energy Changes Using energy transfers during Exothermic and Endothermic reactions <i>RP4</i> 	
Topic 3: The Periodic TableThe periodic table	Reaction profilesHT bond energy calculations	
Term 2: C4 Quantitative chemistry 1 Topic 4: Quantitative Chemistry 1 Conservation of mass Balancing equations Relative masses and % by mass Chemical measurements Concentration HT moles HT Amounts of substances in equations HT Using moles to balance equations	 and C5 Chemical reactions Topic 5: Chemical Reactions Metal Oxides The reactivity series Displacement reactions Extracting metals and reduction Reactions of acids with metals <i>RP1</i> Neutralisation of acids Soluble salts Test for Hydrogen and state symbols HT oxidation and reduction (electrons) 	TA2 Projected Grade:
 Term 3: C6 Electrolysis and C8 rates Topic 6: Electrolysis The process of electrolysis Electrolysis of molten ionic compounds Using electrolysis to extract metals Electrolysis of aqueous solutions <i>RP3</i> Tests for gases HT Reactions at the electrodes HT Half equations 	of reaction Topic 8.1: Rates of Reaction • Rate of reaction graphs • Calculating rates of reaction • Effect of temperature <i>RP5a</i> • Effect of concentration <i>RP5b</i> • Effect of pressure • Effect of catalysts • Collision theory and activation energy	
al Projected Grade: <i>Careers:</i> <i>The career that interest</i> <i>Subject will help me ach</i>		
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LEARNING HABITS HABITS HABITS		R Respectful Responsible Aspirational



Final Projected Grade:

Careers:

The career that interests me is ...

Subject will help me achieve this because ...

Respectful

Responsible

Aspirational

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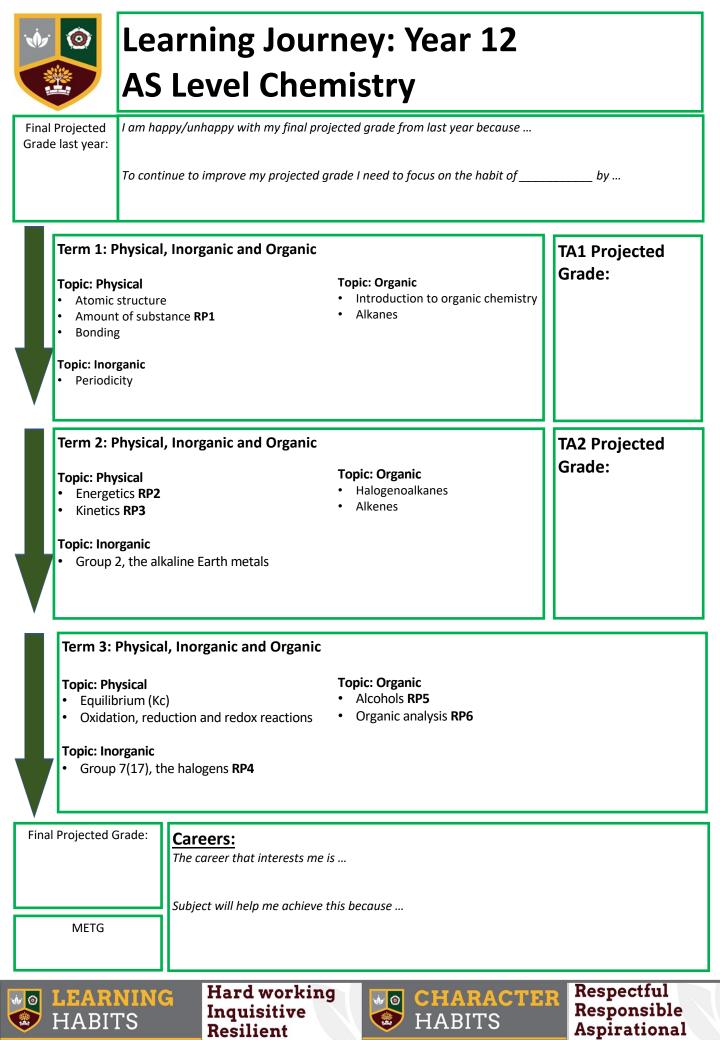
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Learning Journey: Year 13 A Level Chemistry					
Final Projected Grade last year:					
Topic: Phy • Thermo • Rate eq • Equilibr Topic: Inor • Propert	dynamics Jations RP7 um constant Kp	 Topic: Organic Optical isomerism Aldehydes and ketones Carboxylic acids and derivatives RP10 Aromatic chemistry Amines Polymers 	TA1 Projected Grade:		
Term 2: Physical, Inorganic and OrganicTopic: Physical• Electrodes potential and electrochemical cells RP8• Acids and Bases RP9Topic: Inorganic• Reactions of ions in aqueous solution RP11			TA2 Projected Grade:		
Term 3: 1	Revision and Exams				
Final Projected G	rade: Careers: The career that interests me is Subject will help me achieve this				
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