



Key Stage 4 Curriculum Map 2020 - 2021

Year 10 GCSE Chemistry

Term 3

Subject: Chemistry	Year: 10	
Focus/Topic	UAE Links	Home Learning / Reading
<ul style="list-style-type: none"> Chemical Analysis <ul style="list-style-type: none"> Separating techniques (filtration, crystallization, chromatography) 	Importance of water filtration in the UAE and debating the advantages and disadvantages of using chlorine in water	Guided reading
<ul style="list-style-type: none"> Chemical Analysis <ul style="list-style-type: none"> Gas testing Testing for Ions 		Guided reading
<ul style="list-style-type: none"> Chemical Analysis <ul style="list-style-type: none"> Testing for Ions Assessment 		Guided reading
<ul style="list-style-type: none"> Acids, Bases and Salts <ul style="list-style-type: none"> The pH scale Acids and bases 	Investigating the pH of water supplies in the UAE and the impact on the environment. How does the petrol usage affect the pH of natural water in the UAE?	Guided reading
<ul style="list-style-type: none"> Acids, Bases and Salts <ul style="list-style-type: none"> Neutralisation Ammonia 	Exploring the use of ammonia in the production of fertilisers which are required to support plant growth in the UAE (food supply chain)	Guided reading
<ul style="list-style-type: none"> Acids, Bases and Salts <ul style="list-style-type: none"> Metal carbonates Assessment 		Guided reading
<ul style="list-style-type: none"> Rates of Reaction <ul style="list-style-type: none"> Collision theory Factors Affecting Rate 	Relate the measuring of rate to industrial processes in the UAE e.g. medical field. Exploring the need for rapid production of the COVID vaccine	Guided reading
<ul style="list-style-type: none"> Rates of Reaction 		Guided reading

<ul style="list-style-type: none"> - Reporting a Rate Investigation - Effects of a Catalyst 		
<ul style="list-style-type: none"> • Rates of Reaction <ul style="list-style-type: none"> - Equilibrium - Haber Process - Contact Process - Assessment 		Guided reading
<ul style="list-style-type: none"> • Practical Module 		Guided reading
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End of Year Assessments		Revision
End of Year Assessments		Revision
End of term 3		