

## Year 10 Chemistry Curriculum Map 2020 - 2021

### Term 1

Subject:	Year:	
Focus/Topic	UAE Links	Home Learning / Reading
<ul style="list-style-type: none"> <li>• Introduction and Expectations including key skills</li> </ul>		Year 10 summer work for Science
<ul style="list-style-type: none"> <li>• Rate and Extent of Reaction               <ul style="list-style-type: none"> <li>- Collision Theory</li> <li>- Factors Affecting Rate</li> </ul> </li> </ul>		Guided Reading
<ul style="list-style-type: none"> <li>• Rate and Extent of Reaction               <ul style="list-style-type: none"> <li>- Reporting a Rate Investigation</li> <li>- Required Practical with Rate of Reaction focus</li> </ul> </li> </ul>		Guided Reading
<ul style="list-style-type: none"> <li>• Rate and Extent of a Reaction               <ul style="list-style-type: none"> <li>- Effect of a Catalyst</li> <li>- Equilibrium</li> </ul> </li> </ul>	Consider the industrial production of pharmaceuticals and evaluate the use of catalysts for industry e.g. Pharmax or Life Pharma	Guided Reading
<ul style="list-style-type: none"> <li>• Rate and Extent of a Reaction               <ul style="list-style-type: none"> <li>- Haber Process</li> <li>- Contact Process</li> <li>- Revision and End of Topic Assessment</li> </ul> </li> </ul>	Evaluate the use of fertilisers to promote plant growth in the UAE conditions	Guided Reading
<ul style="list-style-type: none"> <li>• Energy Changes               <ul style="list-style-type: none"> <li>- Exothermic and Endothermic</li> <li>- Calculating Energy Changes</li> </ul> </li> </ul>	Reflect on everyday reactions in the UAE and determine if they are exothermic or endothermic	Guided Reading
<ul style="list-style-type: none"> <li>• Energy Changes               <ul style="list-style-type: none"> <li>- Bond Enthalpy</li> <li>- Cells</li> </ul> </li> </ul>	Evaluate the use of hydrogen fuel cells in the UAE as an alternative form of energy	Guided Reading

<ul style="list-style-type: none"> <li>• Energy Changes               <ul style="list-style-type: none"> <li>- Planning an energy changes investigation</li> <li>- Required Practical with Energy Change focus</li> <li>- Interpreting results of an energy changes investigation</li> </ul> </li> </ul>	Connect your learning from an investigation to the use of cold packs in the UAE for athletes	Guided Reading
<ul style="list-style-type: none"> <li>• Energy Changes               <ul style="list-style-type: none"> <li>- Revision and End of Topic Assessment</li> </ul> </li> </ul>		Guided Reading
<ul style="list-style-type: none"> <li>• Practical Skills               <ul style="list-style-type: none"> <li>- Hypothesis</li> <li>- Variables</li> <li>- Methods and Safety</li> </ul> </li> </ul>	Planning an investigation and relating their conclusions to real life applications	Guided Reading
<ul style="list-style-type: none"> <li>• Practical Skills               <ul style="list-style-type: none"> <li>- Recording data</li> <li>- Analysing data</li> <li>- Constructing conclusions</li> <li>- Evaluating an experiment</li> </ul> </li> </ul>		Guided Reading
<ul style="list-style-type: none"> <li>• Electrolysis Revision               <ul style="list-style-type: none"> <li>- Revision of theory</li> <li>- Application to exam style questions</li> <li>- Revision of required practical</li> </ul> </li> </ul>		Guided Reading
<ul style="list-style-type: none"> <li>• Acids, Bases and Salts               <ul style="list-style-type: none"> <li>- Revision of theory</li> <li>- Application to exam style questions</li> <li>- Revision of required practical</li> </ul> </li> </ul>		Guided Reading
<ul style="list-style-type: none"> <li>• Assessment Week</li> </ul>		Guided Reading
Winter Break		