

Prior Learning:		8E- they have described oxidation reactions of metals and non-metals and completed word and symbol equations. Looked at the idea of law of conservation			
Lesson Number	Title	Lesson Objectives	Content	Key words	Assessment/Homework
1	Metal Properties	What makes metals useful?	<ul style="list-style-type: none"> <li>Describe some common properties and uses of metals</li> <li>Write word equations for the reactions of metals and non-metals</li> <li>Describe what a catalyst is and some uses of catalysts</li> </ul>	<ul style="list-style-type: none"> <li>Metals</li> <li>Non-metals</li> <li>Physical and chemical properties</li> </ul>	
2	Corrosion	What happens during rusting and corrosion?	<ul style="list-style-type: none"> <li>Describe what happens during corrosion and rusting</li> <li>Explain how metals can be protected from corrosion</li> <li>Identify the products and reactants using a symbol equation</li> </ul>	<ul style="list-style-type: none"> <li>Corrosion</li> <li>Rusting</li> <li>Formula</li> </ul>	
3	Metals and water	How do metals react with water?	<ul style="list-style-type: none"> <li>Describe the reactions of metals with water</li> <li>Place metals in order of reactivity</li> <li>Write word and symbol equations for reactions</li> </ul>	<ul style="list-style-type: none"> <li>Reactivity</li> </ul>	20-mark multiple choice quiz
4	Metals and acids	What happens when metals react with acids?	<ul style="list-style-type: none"> <li>Describe reactions of metals with acids</li> <li>Place metals in order of reactivity</li> <li>Write word and symbol equations for reactions</li> </ul>	<ul style="list-style-type: none"> <li>Salt</li> </ul>	

5	Pure metals and alloys	What makes alloys useful?	<ul style="list-style-type: none"><li>• Explain what alloys are and why they are used</li><li>• Explain properties of alloys</li><li>• Identify pure substances by their melting points and boiling points</li></ul>	<ul style="list-style-type: none"><li>• Alloys</li><li>• Pure</li><li>• Melting point</li><li>• Boiling point</li></ul>	
<b>Revision and Test</b>					
<b>Where we will use these ideas again</b>		C1: metallic bonding C4: chemical changes C6: rates of reactions: catalysts			