Metals and their Uses

Topic Checklist / Progression Check

I know this colour green	I'm not sure colour yellow	I don't know this colour red

Subtopics and Learning Objectives	Start	End
Metal Properties		
- Describe some common properties and uses of metals		
- Write word equations for the reactions of metals and non-metals		
- Describe what a catalyst is and some uses of catalysts		
Corrosion		
- Describe what happens during corrosion and rusting		
- Explain how metals can be protected from corrosion		
- Identify the products and reactants using a symbol equation		
Metals and Water		
- Describe the reactions of metals with water		
- Place metals in order of reactivity		
- Write word and symbol equations for reactions		
Metals and Acids		
- Describe pollutants that are formed by burning fuels		
- Explain how these pollutants cause problems and how their effects can be reduced		
Pure Metals and Alloys		
- Explain what alloys are and why they are used		
- Use models to explain the properties of alloys		
- Identify pure substances by their melting points and boiling points		

Metals and their Uses

Topic Checklist / Progression Check

I know this colour green	I'm not sure colour yellow	I don't know this colour red

Subtopics and Learning Objectives	Start	End
Metal Properties		
- Describe some common properties and uses of metals		
- Write word equations for the reactions of metals and non-metals		
- Describe what a catalyst is and some uses of catalysts		
Corrosion		
- Describe what happens during corrosion and rusting		
- Explain how metals can be protected from corrosion		
- Identify the products and reactants using a symbol equation		
Metals and Water		
- Describe the reactions of metals with water		
- Place metals in order of reactivity		
- Write word and symbol equations for reactions		
Metals and Acids		
- Describe pollutants that are formed by burning fuels		
- Explain how these pollutants cause problems and how their effects can be reduced		
Pure Metals and Alloys		
- Explain what alloys are and why they are used		
- Use models to explain the properties of alloys		
- Identify pure substances by their melting points and boiling points		