**Chapter 5- Metals**

**Key Knowledge**

* Metallic bonding model used to explain observed properties including:
  + Melting temperatures
  + Electrical conductivity
  + Chemical reactivity

**Chapter Outcomes**

* List some typical properties of metals such as electrical conductivity, melting temperature, malleability and ductility.
* Describe the metallic bonding model.
* Use the metallic bonding model to explain the properties of metals.
* List some limitations of the metallic bonding model.
* Describe how making alloys can change the properties of metals.
* Describe how work hardening and heat treatment can change the properties of metals.