**Curriculum Overview for Design Technology**

**Year 8**

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| **Term 1: Metal hook**  **Substantive Knowledge:**  Understand a risk assessment with using Heat and hot metal.  Ferrous and non-ferrous metals  Jigs and templates  Methods of marking out metal  Isometric drawing  **Disciplinary Knowledge:**  Learning to work to a high tolerance to ensure successful project.  Working safely with a heat source.  Understanding the effect of heat on metal and the advantages of working like this.  Understanding the individual tools for specific applications. | Books | Decoding of keywords.  Opportunities for extended knowledge theory |
| Speech | Hacksaw Mild steel Ferrous Metals  Non ferrous Metals Scriber  Tolerance Engineer square  Forging Drawing out Rivets  Ball peen hammer  2 Point perspective Emery cloth |
| Checklist RTL | Recall tests  Review sheet  End of unit test |
| Home | Retrieval and review Homework sheet.  Preparation for retrieval test |