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| **Term 3: Steam punk clock**  **Substantive Knowledge:**  Independent designing  Advanced CAD/CAM designing  Selecting materials  Joining dissimilar materials  Designing using a theme  **Disciplinary Knowledge:**  Independently generate a design based on a theme that has been based on an art/design theme.  Apply knowledge of designing and making principles  Outline design components using knowledge of CADCAM  Experiment with joining methods to join dissimilar materials.  Design prototypes which are fit for purpose  Analyse and evaluate design decisions and outcomes, including for prototypes made by themselves and others | Books | Decoding of keywords.  Opportunities for extended knowledge theory |
| Speech | Industrial  Polymers  Thermoplastic  Thermosetting plastic  Acrylic  Victorian |
| Checklist RTL | Recall tests  Review sheet  End of unit test |
| Home | Retrieval and review Homework sheet.  Preparation for retrieval test |

**Curriculum Overview for Design Technology**

**Year 9**