**Curriculum Overview for Design Technology**

**Year 10**

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| **Half Term 1: Understanding materials****Substantive Knowledge:**Wood and its sourceMetal and its sourcePlastic and its source**Disciplinary Knowledge:**Demonstrate a good foundation knowledge of a variety of key materials.Work on a variety of practical tasks in the above materials to deepen understanding. | Books | Decoding key words and terminology.Opportunities for extended knowledge theory |
| Speech | Grain, hardwood, veneer, softwood, Ferrous metal, non- ferrous metal, alloy, polymer, synthetic, finite resource, thermosetting polymer, thermoforming polymer |
| Checklist RTL | Weekly recall testsEnd of unit test |
| Home | Review of class workReading for end of unit tests |
| **Half Term 2: Understanding Materials****Substantive Knowledge:**Textiles and its sourcePaper and card and its sourceVariety of New Materials including smert materials**Disciplinary Knowledge:**Demonstrate a good foundation knowledge of a variety of key materials.Work on a variety of practical tasks in the above materials to deepen understanding. | Books | Decoding key words and terminology.Opportunities for extended knowledge theory |
| Speech | yarn, knitting, selvedge, natural fibres, synthetic fibres, metal foam, graphene, nanomaterials, composite, technical textile, gsm, ply, biodegradable. |
| Checklist RTL | Weekly recall testsEnd of unit test |
| Home | Review of class workReading for end of unit tests |