**Curriculum Overview for Design Technology**

**Year 10**

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| **Half Term 5: Exploring the contextual challenge****Substantive Knowledge:**Investigating a problemAnalysing dataAnalysing a productUnderstanding clients needsWriting a specification**Disciplinary Knowledge:**Generate a problem based on a contextual challengeUnderstanding a clients needsLooking at an existing product and comparing to clients needs.Interpreting data and writing a specification to meet needs | Books | Decoding key words and terminology.Opportunities for extended knowledge theory |
| Speech | Market research, primary data, secondary data, ergonomics, anthropometric data, design brief, design specification, end user, manufacturing specification, model. |
| Checklist RTL | Weekly recall testsEnd of unit test |
| Home | Review of class workReading for end of unit tests |
| **Half Term 6: Generating ideas****Substantive Knowledge:**New and emerging technology effects on:IndustryEmploymentManufacturingSustainability and employmentCulture and society**Disciplinary Knowledge:**Demonstrate a deep understanding of how modern technologies have an impact on employment, enterprise, Environmental concerns, Manufacturing and society | Books | Decoding key words and terminology.Opportunities for extended knowledge theory |
| Speech | Scale, perspective, Isometric projection, exploded drawing, annotation, working drawing, orthographic projection, virtual meeting software, presentation software, spreadsheet software, prototype, evaluation |
| Checklist RTL | Weekly recall testsEnd of unit test |
| Home | Review of class workReading for end of unit tests |