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| **Year group** | **Topic being covered this half term** | **Tasks** | **Resources/ websites** |
| **7**  | Sources of materialsTools and equipmentWorkshop safetyDeveloping design ideas | Design ideasModelling ideasComplete work set via class-charts | <https://www.technologystudent.com/><https://www.bbc.co.uk/bitesize/subjects/zfr9wmn>[www.youtube.windleworkshop](file:///%5C%5Cstbedes.sch%5Cshares%5Cteachers%5CR.Gibson%5Cwww.youtube.windleworkshop)  |
| **8**  | Properties of materialsTimbers and boardsJoining methodsDesigning for a target audience | Design ideasModelling ideasComplete work set via class-charts | <https://www.technologystudent.com/><https://www.bbc.co.uk/bitesize/subjects/zfr9wmn> |
| **9**  | Working to a design briefThe 6 Rs of sustainabilityThe environmentProperties of materials -plasticsModelling and manipulating materials  | Design ideasModelling ideasComplete work set via class-charts | <https://www.technologystudent.com/><https://www.bbc.co.uk/bitesize/subjects/zfr9wmn>[www.youtube.windleworkshop](file:///%5C%5Cstbedes.sch%5Cshares%5Cteachers%5CR.Gibson%5Cwww.youtube.windleworkshop) |
| **10**  | GCSE Design Technology Unit 2 – Informing design decisions.Unit 3 – Energy generation and storage | **Critical evaluation of technologies** worksheets on class-charts**Contemporary and future scenarios** worksheets on class-charts**Ethical and environmental perspectives** worksheets on class-charts**Powering systems** worksheets on class-charts**Modern and smart materials** worksheets on class-charts**Composite materials** worksheets on class-charts | <https://www.technologystudent.com/><https://www.bbc.co.uk/bitesize/examspecs/zb6h92p> |
| **11** | NEA Section 2 Design Ideas | 2.1 Design ideas 8 marks2.2 Review of ideas 8 marks2.3 Development of ideas 12 marks2.4 Communication of ideas 8 marks2.5 Review of final design 6 marks**See class-charts for more detailed information from Mr Gibson.**Mock exam revision and preparation. | <https://www.bbc.co.uk/bitesize/examspecs/zb6h92p><https://www.technologystudent.com/><https://qualifications.pearson.com/en/qualifications/edexcel-gcses/design-and-technology> |