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| **Year group** | **Topic being covered this half term** | **Tasks** | **Resources/ websites** |
| **7** | Sources of materials  Tools and equipment  Workshop safety  Developing design ideas | Design ideas  Modelling ideas  Complete work set via class-charts | <https://www.technologystudent.com/>  <https://www.bbc.co.uk/bitesize/subjects/zfr9wmn>  [www.youtube.windleworkshop](file:///\\stbedes.sch\shares\teachers\R.Gibson\www.youtube.windleworkshop) |
| **8** | Properties of materials  Timbers and boards  Joining methods  Designing for a target audience | Design ideas  Modelling ideas  Complete work set via class-charts | <https://www.technologystudent.com/>  <https://www.bbc.co.uk/bitesize/subjects/zfr9wmn> |
| **9** | Working to a design brief  The 6 Rs of sustainability  The environment  Properties of materials -plastics  Modelling and manipulating materials | Design ideas  Modelling ideas  Complete work set via class-charts | <https://www.technologystudent.com/>  <https://www.bbc.co.uk/bitesize/subjects/zfr9wmn>  [www.youtube.windleworkshop](file:///\\stbedes.sch\shares\teachers\R.Gibson\www.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 marks  2.2 Review of ideas 8 marks  2.3 Development of ideas 12 marks  2.4 Communication of ideas 8 marks  2.5 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> |