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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 Isometric drawing | 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 -metals  Modelling and manipulating materials | Design ideas  Review of ideas  Modelling ideas  Design Specification  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.**  Materials, types and properties. | Metals, Papers and boards, Polymers.  **See class-charts for more detailed information from Mr Gibson.** | <https://www.technologystudent.com/>  <https://www.bbc.co.uk/bitesize/examspecs/zb6h92p> |
| **11** | Completion of NEA ready for hand-in deadline of February half term. | 1 – **Investigate 16 marks**  Investigation of needs and research, and a product **specification.**  2 – **Design** **42 marks**  Produce design ideas, review ideas, develop ideas into a chosen design, communication of ideas and review of the chosen design.  3 – **Make 36 marks**  Manufacture, quality and accuracy.  4 – **Evaluate** **6 marks**  Testing and evaluation.  **See class-charts for more detailed information from Mr Gibson.** | <https://www.bbc.co.uk/bitesize/examspecs/zb6h92p>  <https://www.technologystudent.com/>  <https://qualifications.pearson.com/en/qualifications/edexcel-gcses/design-and-technology> |