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| Year 8 | **Topic: Mobile Phone Seat Holder**  **Period: Spring 2** |
| **Overview of topic:**  Students will build upon workshop skills from Yr7 to manufacture a mobile phone seat holder. They will be introduced to new processes and materials helping to develop their knowledge and understanding. They will have to consider a user and how they intend to meet their needs as well as questioned around designers/manufacturers. What factors influence their decisions and if they can suggest ways to develop the product further. | |
| **Key** **knowledge:**  Students will develop the knowledge and understanding of material choices and how to address the needs of their intended user. They will Analyse and evaluate existing products to suggest ways to modify them. Students will consider the key decisions designers make when manufacturing new products and how they too can apply to their own work.  **Key vocabulary:**   |  |  | | --- | --- | | **Tier 2** | **Tier 3** | | **Analysis**  **Develop**  **Evaluate**  **Complete** | **Manufacturing**  **User**  **Environmental Impact**  **Life Cycle Assessment (LCA)**  **6 R’s (Reduce, Reuse, Repair, Rethink, Recycle, Refuse)** | | **Key skills:**  **Students will develop the following manufacturing skills;**  **Cutting & shaping**  **Drilling**  **Finishing** |
| **Co-curricular opportunities:**  DT HOMEWORK CLUB – WEDNESDAY DINNER | **Key reading skills taught *(clarify, question, summarise, predict)* and key texts:**  Skimming and Scanning  Reading class instructions  **Wider Reading Opportunities/Links:**  Knowledge Organisers |
| **How can I use this information at home?**   * Conversation starters with your children to discuss their learning * Support your child in carrying out independent research around the topic * Visit your local library (or BorrowBox), museums, or other locations to explore the topic * Promote books/other texts that explore this topic (see reading section) * Help your child to learn the key vocabulary | |