Year 8 Product Design Curriculum

What will you learn?

Topic(s)

Product Design
- Health and Safety in the workshop
- Polymers and their properties.
- Power Tools and Equipment
- Systems approach to designing and basics of electronics
- Computer Aided Designing
- Making a night light as a final outcome (product).

How will you be assessed?

Overall assessment

During the directed practical tasks, students are assessed on their skills and completion of the core tasks. In addition to these Self and Peer assessments, verbal feedback from the teacher and regular home learning tasks are planned throughout the unit.

End of Year assessment

Students are assessed based on their final outcome product: a night light.
Additionally Students will be assessed on their attitude to learning using the practical subject ACS level descriptors ASSURED, SECURE, DEVELOPING and EMERGING. Student booklet will be assessed and internally moderated within the Design Technology department.

Which resources should you use?

Books, websites, online resources, trips and visits

Product Design:
- Visits to Design Museums can inspire you creatively.
  The Design museum Kensington: https://designmuseum.org/
  V&A Design Museum: https://www.vam.ac.uk/
  Exhibitions e.g. NEC Birmingham/ Olympia & Earls Court London.
- Try assembling any DIY furniture.
- Practise sketching.
  https://www.youtube.com/watch?v=c_NRuzPs9R8
  https://www.youtube.com/watch?v=IaPwhWBj77o
  https://www.youtube.com/watch?v=bjEw-mulcjA

What independent work can you do?

Books, websites, online resources

Use the VIP Zone, there you will find:

- An 'Independent Learning' folder full of resources and ideas to support your learning
- PLCs [Personal Learning Checks] - use these to rate your understanding of each topic and to recap and stretch your knowledge and skills.

Start revising. Try some of these to improve your understanding of each lesson and to help you prepare for assessments.

- **Summarise your notes:** Identify the key ideas and essential details. This technique improves understanding and retention by making information clearer and more manageable.
- **Flashcards**: Write key information on cards, don't forget to include an example
- **Mind maps**: Visually organize information by creating diagrams that connect ideas. This helps you see the relationships between topics.
- **Mnemonics**: Use songs, rhymes, or acronyms to help remember facts and figures.
- **Recording and replaying**: Record yourself reading notes and listen back to them.
- **Sticky notes:** Write / draw a key point on each note and place them around your house to help with memorisation.

Watch this: BBC Bitesize The Best Memory Hacks to Help Your Revision