

# Design & Technology

Year 11 GCSE Design &  
Technology Information

# The Course

- Pearson EdExcel are the Exam Board
- Syllabus: GCSE Design & Technology 1-9 (2017)
- Key Topic Areas
  - Core Content
    - The Design Process
    - Broad Materials Knowledge
    - Environmental Concerns
  - Paper & Boards
    - Detailed Material Knowledge
    - Product Techniques
    - Tools
  - Timbers
    - Detailed Material Knowledge
    - Product Techniques
    - Tools
- Most of the topics have been covered but we will be refreshing some details in preparation for Mock and between the NEA hand in and the final exam.

# Assessment Structure 2020

- 50% NEA – In progress now
  - Final Prototype outcome marks removed more emphasis on developmental prototyping and the theory of manufacture
- 50% Exam
  - 40% Core Theory Topics
    - Covers a range of materials (Timbers/Polymers/Metals/Paper & Boards/Textiles and Systems and Control and Design Processes)
  - 60% Specialist Topics
    - Paper and Boards/Timbers are the two subject papers we are sitting

# Upcoming Assessments

- Centre Assessed Grades (CAGs) (Mock Exams)
  - Exam Paper - 10<sup>th</sup> February 2021
- NEA (Non-Examined Assessment)
  - Pupils should be into their development section of the NEA by Christmas
  - After Christmas we will begin to work on Final Prototyping skills
  - Final hand in Due Thursday 1<sup>st</sup> April 2021 (TBC)
  - Pupils will find out their mark for the NEA after Easter before the marks are sent to EdExcel.

# Tips for Success

- Revise Material Properties – this is a feature of many sections of the paper
- Learn Vocabulary which are used for material properties
- Revise small chunk at a time and repeat them often
- Focus revision on Materials and Properties – practicing designing is less important
- Use common sense and knowledge from other subjects to help with the longer written answers –these will often focus on topic such the environment so you can debate both sides of the argument for and against.

# Sitting the Exam Paper

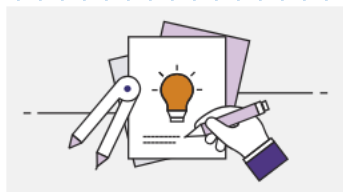
- Calculate = Give the answer + Working out
- Explain = Give the answer and say why this is the case
- Name = Give the name of the item requested
- Draw = Sketch out – Use a Ruler to increase accuracy
- Give = Name a material or property
- Label = Add annotations
- Complete = Finish
- Discuss = Give points of view on a topic and justify them, you might wish to give opposite points of view to make it a discussion
- Use Note and Sketches = Draw and annotate
- Analyse + Evaluate = Use the information provided and discuss what is good or bad about each point
- Describe = Give an explanation

# Revision Techniques

- I highly recommend pupils using techniques such as the “grid of 9” where they can break down a topic in to 9 chunks of key information on a page
- Testing on means for key words particularly material properties
- Undertaking the practice questions set by their teachers
- Revision cards

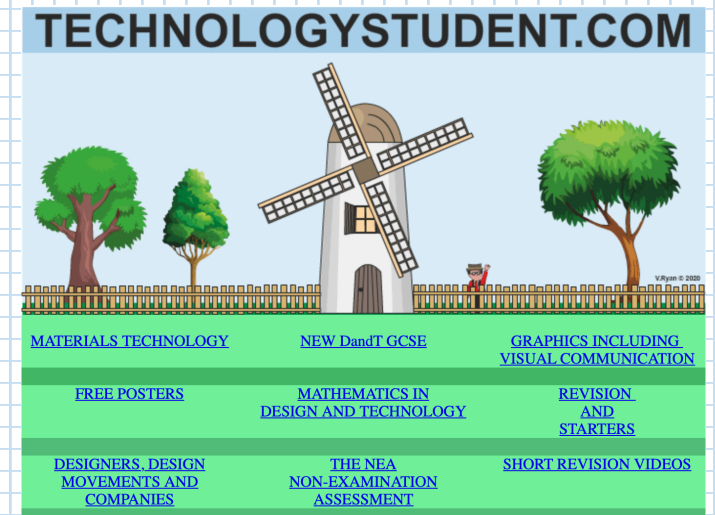
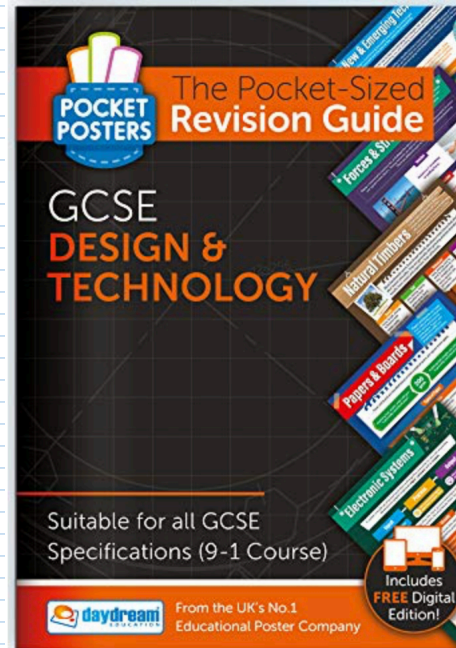
# Useful Information

- BBC GCSE Bitesize is an excellent revision guide for this exam board
- [www.technologystudent.com](http://www.technologystudent.com) is a fantastic resource for revision
- Revision Topics will be added to the Frog Year 11 Pages over the next few weeks
- Pocket Posters Revision Guide



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**YR11**  
DESIGN &  
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EXAMS





# Parental Support

- Ask pupils to see their revision and discuss the work they are doing
- When sat at home perhaps look for items around the house and get your pupil to describe the materials and properties that might be key to that product.
- Encourage pupils to work on their NEA (this can be worked on at home this year as a dispensation from the government)
- Encourage them to attend D&T Catch up sessions to work on NEA (Tuesday, Week 2)

# Extending Knowledge

- I cannot rate [www.technologystudent.com](http://www.technologystudent.com) highly enough as a one stop shop for revision and looking further at technology subjects. It thoroughly covers all topics which are important for both the NEA and the exams.
- Look at the world around you everything you touch has been designed by someone and be curious about the things you have. Think about how they have been made.

# Concerns or Questions

- If you have any concerns or questions you can contact me via ePraise