

For some of our students, formal exams have been something they have not completed regularly or at all. We are aware that all students have had significant disruption over the last two years. In order to support you to support them effectively at home, we would like to give you the following information:

The Topics your child will be tested on are:

- Co-operatives
- Renewable Energy
- Design for Maintenance
- Biodegradable Materials
- Packaging for Food
- Input-Process-Output
- Softwoods
- Mechanisms
- Global Warming Contributory Factors
- Area calculation
- Multiplication and Addition
- Kevlar
- Properties of Manufactured Boards
- Just in Time Production Methods
- Forces and Stresses
- Addition Processes in your specialist area:
 - Soldering
 - Welding
 - Lamination
 - Printing
 - Sewing
- Wastage processes/process of removal of waste material not needed when making a prototype
- Quality Control
- Sources and Origins of Materials
- Choose one material category
 - Metals
 - Papers and Boards
 - Polymers
 - Textiles
 - Timbers
- Sources and Origins of Materials
- Processes use to convert raw materials into a workable format
- The effect designing and manufacturing products have on our planet and environment.
- Consumer, environmental considerations when selecting and purchasing a product.
- Analysis and Evaluation skills
- Anthropometric Data interpretation (DATA PROVIDED)
- Tolerance of length of material

- Percentages of waste material
- The importance of the Collaboration of Designers
- Safety considerations when using cutting tools
- Surface finishes for aesthetical purpose
- Surface finishes for functional purpose
- Advantages of 3-Dimensional Drawing
- Isometric Sketching
- Calculation of Volume
- Area of a circle
- Subtraction
- Importance of Modelling in the prototype stage of the design process

Recommended revision sites/resources:

- Theory file from class
- GCSE BBC Bitesize AQA GCSE D&T
- Core Technical Principles - <https://www.bbc.co.uk/bitesize/topics/zkcpkmn>
- Specialist Technical Principles - <https://www.bbc.co.uk/bitesize/topics/zd9sd6f>
- Designing & Making Principles - <https://www.bbc.co.uk/bitesize/topics/zj8yjihv>

Hints and Tips:

- Use a range of techniques
- Make mind maps
- Make flashcards
- Carryout independent research
- Read through work and make notes
- Read through text and write down as much as you can remember
- Start revising early!!!

All Y11 mock exams will take place between Tuesday 11th October and Friday 4th November