GCSE Design & Technology

Component 1: Written Exam
How it's assessed?
There is one 2 hour written examination worth 50% of the qualification.

What is assessed?
- 2.1 Technical principles (Core Knowledge)
  - design and technology and our world
  - smart materials
  - electronic systems and programmable components
  - mechanical components and devices
  - materials
- 2.1 Technical principles (In-depth Knowledge)- Students will learn in depth knowledge about at least one topic listed above.
  - electronic systems, programmable components & mechanical devices
  - papers & boards
  - natural & manufactured timber
  - ferrous & non-ferrous metals
  - thermoforming & thermosetting polymers
  - fibres & textiles

Questions
A mix of short answer, structured and extended writing questions assessing candidates' knowledge and understanding of:
- technical principles
- designing and making principles along with their ability to:
- analyse and evaluate design decisions and wider issues in design and technology.
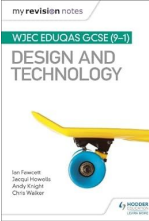
Component 2: NEA
How it's assessed?
100 marks
50% of GCSE

What's assessed
- understanding design and technology practice
- understanding user needs
- writing a design brief and specifications
- investigating challenges developing ideas
- investigating the work of others
- using design strategies
- communicating ideas
- developing a prototype
- making decisions
- selecting and working with materials and components
- marking out
- using tools and equipment
- using specialist techniques
- using surface treatments and finishes

Exam board

EDUQAS

Useful Resources
https://www.bbc.co.uk/bitesize/subjects/zvg4d2p
www.technologystudent.com

How to be successful?
- Research designers for inspiration
- Visit design museums to see what work is being produced
- Be analytical and critical about your work
- Meet coursework and theory deadlines.
- Use your time in lesson effectively
- Minimum of 1 hrs per week at home
- Attend after school club (see after school timetable)
- Revise for mock exams.
- Be organised with your equipment taking your folder home at the end of the day.