



Design & Technology

6 weeks of revision & assessment



NEA 1 Due Monday 19/4/21

Myself and Mr Walker will be printing your coursework off on the 19th April and will start marking over the next few weeks.



Section A Revision - 2 lessons

First Assessment - Section A - Monday 26/4/21

- 10 multiple choice questions
- 3 slightly longer questions

24 minutes

Extra Time - + 6 minutes = 30 minutes



Section A Revision - What we will cover/ need to know ...

Topic Area	Where to find revision material - CGP Revision guide
Production Systems – CAD/CAM – Automation of manufacturing processes	P2
Product Sustainability – No product lasts forever though 1 - 6 / Some products aren't designed to last but some are 1 - 4	P6/7
Products in Society – Technology push is about what manufacturers can provide	P10
Powering Systems – Non-finite (Renewable) energy is better for the environment	P12



Section A Revision - What we will cover/ need to know ...

Topic Area	Where to find revision material - CGP Revision guide
Powering Systems – Energy often needs to be stored	P13
Properties of Materials – Ductility	P14
Properties of Materials – An alloy is a mixture	P15
Paper, Board and Timber – Foil lined board	P16
Metals, Alloys and Polymers – Alloys can have really useful properties	P18



Section A Revision - What we will cover/ need to know ...

Topic Area	Where to find revision material - CGP Revision guide
Textiles – Fibres and yarns are used to make fabrics	P21
Textiles and Manufactured Boards – Fabrics can be made from woven yarns	P22
Electronic Systems – Electronic systems involve circuits	P24
Electronic Systems – Input devices change the electrical current in a circuit / Switches turn a circuit on/off / Variable resistors can detect changes in external conditions	P25



Section A Revision - What we will cover/ need to know ...

Electronic Systems – Microcontrollers are programmed for a certain task	P26
Electronic Systems – Microcontrollers as timers and counters / Output devices include lamps, buzzers and speakers	P27
Mechanical Systems – Pulleys help to lift a load	P30
Developments in New Materials – Smart materials react to their environment	P33



Section C Revision – Will follow after Easter.....