

Revision Topics for 2023 June Yr10 Exam

Smart and modern materials

https://www.technologystudent.com/mobapps/modern_materials1.pdf

https://www.technologystudent.com/mobapps/smart_materials1.pdf

Properties of materials

https://www.technologystudent.com/mobapps/properties_materials1.pdf

Paper and card

<https://www.technologystudent.com/mobapps/paperandboards3.pdf>

Systems and control

<https://www.bbc.co.uk/bitesize/guides/z6kr97h/revision/1>

Renewable materials

<https://members.gcsepod.com/shared/podcasts/title/12510/76864>

Blow moulding advantages and disadvantages

<https://members.gcsepod.com/shared/podcasts/title/7888/52600>

Mechanical mechanisms

<https://www.technologystudent.com/forcmom/motion1.html>

<https://www.technologystudent.com/cams/mec1.htm>

Laser cutting-the process and the q.c. checks needed

<https://www.mate.com/technical-resources/tips-techniques/laser-cut-quality-guide/>

Turning

<https://technologystudent.com/equip1/woodturn1.html>

Forces and reinforcement

<https://members.gcsepod.com/shared/podcasts/title/13074/78543>

<https://members.gcsepod.com/shared/podcasts/title/12797/78284>

<https://www.technologystudent.com/joints/carfib1.html>

Templates

<https://members.gcsepod.com/shared/podcasts/title/7910/52765>

Carbon footprint and sustainability

<https://www.technologystudent.com/enerflsh/foot3.html>

Lifecycle of materials

https://www.technologystudent.com/mobapps/RECYCLING_MOBILE1.pdf

Injection moulding- the process, advantages and disadvantages.

https://www.technologystudent.com/mobapps/processing_polymers1.pdf slide 50

<https://www.bbc.co.uk/bitesize/guides/zrstng8/revision/9>

Die casting- the process, advantages and disadvantages.

<https://www.focuselearning.co.uk/programmes/?programme=metal-materials&page=a8-techniques/die-casting.html>

Lamination of wood- the process, advantages and disadvantages.

<https://www.focuselearning.co.uk/programmes/?programme=timber&page=a8-techniques/deforming>

Drawing exploded, isometric and orthographic. Advantages of each and how they are used in industry.

https://www.technologystudent.com/despro_flsh/graphics_main1.html

Datum points

<https://www.bbc.co.uk/bitesize/guides/zbstng8/revision/2>

Vacuum forming- the process and the q.c. checks needed

https://www.technologystudent.com/mobapps/processing_polymers1.pdf

Centre lathe- the process and the q.c. checks needed

<https://www.bbc.co.uk/bitesize/guides/zkvny4j/revision/9>

Prototypes- Why are they used

https://technologystudent.com/despro_flsh/revise7.html