

**Subject: Cambridge Nationals Engineering**

**Exam Board: OCR**

**Exam paper: 1 hours**

Revision topics:-

Production processes used in manufacturing (large quantities).

Health & Safety in the workshop and manufacturing.

Parts of machines used in the workshop.

Materials – categories, properties and reasons for use.

Global manufacturing.

Modern technology used in design and manufacturing of products.

Use of CNC in manufacturing.

Outline content

Adjust to reflect the number of papers you are completing

**Useful revision resources:**

List websites, links to past papers, books etc here

Websites:-

[www.hse.gov](http://www.hse.gov)

[www.technologystudent.com](http://www.technologystudent.com)

[www.engineeringtoolbox.com](http://www.engineeringtoolbox.com)

<http://www.engineershandbook.com/>

<https://www.manufacturingguide.com>

Books (available in the LRC):-

“DeGarmo’s Materials and Processes in Manufacturing” – Black & Koster – Wiley ISBN: 978-0-470-87375-5.

“Basic Manufacturing” – Roger Timings – Newnes ISBN 0-7506-5990-4

“Workshop processes, practices & materials” – Bruce J. Black ISBN 978-0-08-089064-7

“Basic Engineering Technology” – Roger Timings – Heinemann Newnes ISBN 0-434-91949-7

“Manufacturing Technology Volume 1” – Roger Timings Prentice hall ISBN 0-582-35693-8

“Manufacturing Technology Volume 2” – Roger Timings Prentice hall ISBN 0-582-35797-7

“GCSE Manufacturing” – Hodder & Stoughton ISBN 0-340-81409-8

Pupils also have their notes from year 10, google classroom tasks set during lock down, as well as the “Exam Questions” booklet, with sample questions in.

Which revision guides etc do you recommend, how can students buy these?

Revision guides are not available for this course.

However, pupils have access to the PowerPoint presentations used during lessons.  
W:\DT\ENGINEERING\Cambridge Nationals\Unit R109 (Exam)\Year 11 Revision.

### **Revision Tips**

Most pupils have a sound understanding of Learning Objective 1.

Learning Objectives 2, 3 & 4 do need focus.

revision plan – e.g. what should they revise each week from half term see the psychology example below

We don't have the exam date yet, so you do not need to add this