

# Technology Sarah Cowley Curriculum

Year 7

Product Design –

Term 1 -

Booklet will be on MS Teams

Health and Safety

Pages 6,7,8

Food -

Term 1 -

Health and Safety

The Y7 booklet and required PowerPoint will be on MS team. The focus is on health and safety.

Videos can be accessed through the PowerPoint.

Graphics –

Term 1 -

Booklet will be on MS Teams

Intro to Graphics

Pages 4,5,6

Textiles -

Term 1 -

Booklet will be on MS Teams

Health and Safety

Pages 4,5,6

Year 8

Product Design –  
Term 1 –  
Booklet will be on MS Teams  
Health and Safety and tools and equipment  
Pages 4,7,8

Food -  
Term 1  
Health, safety and cultural foods  
The Y8 booklet and required PowerPoint will be on MS team. The focus is on health and safety in the first section and then cultural foods in the second section. Videos can be accessed through the PowerPoint.

Textiles –  
Term 1 –  
Health and Safety and research on an artist  
Booklet will be on MS Teams  
Pages 4 and 6

Year 9

Product Design

Term 1 -

Booklet will be on MS Teams

Pages 4 and 7

Food

Term 1 Budgeting

The Y9 booklet and required PowerPoint will be on MS teams. The focus is on food economics and why food prices change. They'll then look at completing an online shop with a limited budget.

Textiles

Term 1 -

Booklet will be on MS Teams

Festival Project

Pages 6,7

Year 10

Term 1

Construction – Booklet 1 – MS Teams

**The Sector**

– Copy the headings and write out key information for each.

Roles and Responsibilities – Complete the tables into your exam book or paper to place in books.

Activity 1A – Draw out and complete the table into the correct headings on page 10

Activity 1B – Carry out survey on the buildings in your area

Activity 1C – Identify all the building services that are delivered to the building you are in.

Activity 1D – Go to the Go Construct Website, look at the presentations by real life construction industry professions who work in the jobs roles you have copied out.

**The Built Environment Life cycle**

– Copy the headings and write out key information for each.

Create a poster from the information on pages 19-23, Construction, maintenance, demolition & disposal.

Activity 2 – Draw out the template on Page 24 and annotate with advantages and disadvantages of raw materials extraction.

Engineering – Unit 1

Term 1 –

[CUTTING INTERNAL SCREW THREADS BY HAND - USING 'TAPS' AND A TAP HOLDER / WRENCH \(technologystudent.com\)](http://technologystudent.com)

- Read the information on the above link and produce this information onto the Knowledge page – Threading from the booklet in MS Teams (Print off worksheet)
- [metalt8.cdr \(technologystudent.com\)](http://technologystudent.com) – Print and complete this worksheet

[CUTTING EXTERNAL THREADS WITH A STOCK AND DIE \(technologystudent.com\)](http://technologystudent.com)

- Read the information on the above link and produce this information onto the Knowledge page – Threading from the booklet in MSTeams (Print off worksheet)
- [metalt9.cdr \(technologystudent.com\)](http://technologystudent.com)

[The Centre Lathe \(technologystudent.com\)](http://technologystudent.com)

- Read the information on the above link and complete the following worksheet
- [lathey1 \(technologystudent.com\)](http://technologystudent.com)

Engineering – Unit 3

Term 1 –

Metals booklet on MS Teams

Pupils are to research the different types of metals, ferrous and non-ferrous, the difference between them, 1 advantage and 1 disadvantage of it and 2 examples of products made out of it.

Also, to include pictures of the metal and the products they have chosen to put down as examples of it.

[Research - Metals \(technologystudent.com\)](http://technologystudent.com)

[REVISION CARDS - NON FERROUS METALS \(technologystudent.com\)](http://technologystudent.com)

[REVISION CARDS - FERROUS METALS \(technologystudent.com\)](http://technologystudent.com)

Food

Term 1- Introduction to the hospitality and catering industry

Pupils will access the booklet and PowerPoint on MS teams. They will assess commercial and non-commercial establishments and then look at the variety of serving styles in the sector.

Graphics/Textiles –

Term 1

Worksheets on MS Teams

- Worksheet 1.1 - Researching artists and designers using the internet.
- Worksheet 1.2 – Tips for writing about Art and Design.
- Worksheet 1.3 – Understanding and creating mood boards.

Pupils can do work digital, print and use a sketchbook for any of the above or all.

Year 11

Construction – Unit 3

Term 1 -

Booklet 1 – MS Teams

**Activity 17** – Visit the Gov.uk website and find information on Building Regulations which cover Construction and extension of buildings.

**Activity 19** - Draw and complete the table for each of the activities.

Booklet 2 – MS Teams

Make notes from the mathematical knowledge section

**Activity 20** – Complete the Mathematical calculations using the task scenario on the page.

Engineering – Unit 2

Term 1 –

Booklet 1 – MS Teams

**Task 1.2** -Isometric Drawings

**Task 1.3** -3d shapes

**Task 1.4** -Complete 3D Shapes

**Task 1.6** -Trendy coffee table

Booklet 2 – MS Teams

**Task 4.1** – Follow the instructions on the work sheet.

Booklet 3 – MS Teams

**Task 4.4** – Follow the instructions on the work sheet.

**Task 4.5** – Follow the instructions on the work sheet.

Food

Term 1-

Pupils will access the unit 2.1 booklet on MS teams. They should complete the sections on macro and micronutrients using the NHS website.

[Vitamins and minerals - NHS \(www.nhs.uk\)](http://www.nhs.uk)

Graphics/Textiles –

Term 1

Worksheets on MS Teams

- Worksheet 1.1 - Researching artists and designers using the internet.
- Worksheet 1.2 – Tips for writing about Art and Design.
- Worksheet 1.3 – Understanding and creating mood boards.

Pupils can do work digital, print and use a sketchbook for any of the above or all.