

## Year 10 Subject GCSE Design Technology

You need to be spending **2 hours** per week on this subject.

### Activities to complete:

#### Lesson 1 Live Lesson

Exam Style Questions about papers and boards from the Live Lesson and revision table with the descriptions and practical applications. These will be emailed out to you.

##### Questions

1. Explain the how the properties of solid white board make it suitable for book covers.
2. Explain why Duplex board is especially used for printed goods.
3. Name a material that is suitable for large boxes – explain why you chose it.
4. In your own words explain what lamination is.
5. Name a paper based product that is laminated (not on the example sheet)
6. Explain why composite materials have been developed and give one example (not on example sheet)

##### EXAMINATION QUESTIONS - PAPER AND BOARDS

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 Complete the table below by adding the description and practical application, for each type of paper and board. The first row has been completed as a sample.  
 2 marks for description - 2 marks for practical application(s).

NAME	DESCRIPTION	PRACTICAL APPLICATION(S)
GRID PAPER	Manufactured in a range of patterns, the most common being isometric and square grids. <b>Standard 80gsm</b>	Helps when drawing in three dimensions (isometric) or drawing graphs and pictograms (graph paper).
SOLID WHITE BOARD		
INJET CARD		
CORRUGATED BOARD		
LAYOUT PAPER		
DUPLEX BOARD		



#### Quiz time!

Mr DT says 'Read the text above and then answer these questions below'. Write your answers on a sheet of paper, don't forget to write your name on the sheet!:-

- 1.) What IS GSM?
- 2.) What is the difference between tracing paper and layout paper?
- 3.) What is cartridge paper used for?
- 4.) How does corrugated card get its strength?
- 5.) What is special about bleed proof paper?
- 6.) What is sugar paper used for?
- 7.) What is duplex board used for?
- 8.) What GSM is cardboard?
- 9.) What is isometric paper used for?
- 10.) What is ink jet card used for?

## Lesson 2

### Load up the link to get to Seneca Learning.

Create a user name if you have not used the site before. Once this is set up use the class code sent to you via email to start the learning and tasks. Your scores will be sent to Miss Whittaker automatically.

<https://senecalearning.com/en-GB/>

### Work to be submitted to your teacher:

Answers to questions regarding paper and boards from the first lesson.

Your answers to questions set on Seneca Learning will automatically be uploaded to Miss Whittaker's records, provided you use the class code.

Method of submission and deadline:

Wednesday 13<sup>th</sup> of January for the lesson 1 tasks, photographs sent to [d.whittaker@rshs.aspireplus.org.uk](mailto:d.whittaker@rshs.aspireplus.org.uk) clearly stating your name and 10CDT  
Thursday 14<sup>th</sup> of January completed on Seneca Learning.  
Use the class code emailed to you!

**Websites, accessible on a Smartphone, useful to support further understanding:**

<https://www.bbc.co.uk/bitesize/guides/zna8jty/revision/1>

<http://www.mr-dt.com/materials/paperandboard.htm>

<https://senecalearning.com/en-GB/>