

# How to Study



## National 5 Design and Manufacture

There are three main areas to the Design and Manufacture course:

1. The Design Team
2. The Design Process
3. Materials and Manufacture

When learning these topics in school, you will complete most tasks practically.

However, when it comes to the exam, you have to give written responses to the questions. You will have to apply your knowledge, understanding and problem solving skills to the context of the question. Use the hints below to help you with this ...

### COMMAND WORDS



Study the question carefully, the command word will tell you what to include in your answer. These are the most common command words used in Higher Graphic Communication:

- DESCRIBE:** You must provide a statement which gives the characteristics or features required. This should be a structured statement and not just an outline or list. The number of marks available indicates the number of factual or appropriate points required.
- EXPLAIN:** You must ensure that your response relates cause and effect, this may involve explaining the relationship between factors ... essentially what this means is, you must explain **why** something has been done.
- COMPARE:** You need to demonstrate your understanding of the similarities and/or differences between things, methods and choices.

### STUDY TIPS

Make time for studying, find a quiet place and avoid distractions, use the library or study clubs.

Do past paper questions to become familiar with the language and style of questions.

Read the questions and identify what the question is asking.

Always relate your response to the topic of the question, don't just give a text book definition eg. Explain exactly what body size a designer has used and why they have used it.

*If there is some thing you don't understand something ask!*

### RESOURCES

The main source for revision resources is our class MS Teams page. There are booklets that cover the full course as well as notes and powerpoints for specific topics.

The following website is also useful:

[www.designclass.co.uk](http://www.designclass.co.uk)

### ANSWERING ON MEMBERS OF THE DESIGN TEAM

1. Know the various roles of people that make up the design team.
2. Know the responsibilities of the roles.
3. Know how the roles relate to each other.

### ANSWERING ON THE DESIGN PROCESS

1. Know the uses of the key elements within the designing processes.
2. Know the design factors and how they influence designing and manufacturing decisions.
3. Be able to discuss communication techniques and modelling.
4. Apply knowledge of design technologies on society and the environment.

### ANSWERING ON MATERIALS AND MANUFACTURE

1. Know how to plan for practical tasks and assembly.
2. Know how to select and apply appropriate tools and finishes.
3. Know how to select and apply appropriate power tools and work shop machines.
4. Know how to read and interpret drawings, tables and diagrams.

### ANSWERING ON INDUSTRIAL MANUFACTURE AND PROCESSES

1. Know the main manufacturing processes.
2. Know the benefits of Computer Aided Manufacture.
3. Know the types and uses of materials
4. Know the Social and Environmental impacts and how to support sustainability.