



The foundation level to our pyramid

Explaining the topic to others

*Factual
revision*

Mnemonic

Explain topic
to others

Flash
cards

Q&A
cards





Explain the topic to others

- One of the most successful ways to learn something is to teach it.
- To teach someone else about a process or topic you first need to understand it well, so this is an effective way of checking what you know.



Explain the topic to others

- Select a topic that you need to revise and try teaching it to a friend or fellow student, or even to an imaginary person.
- The thinking you need to do to work out how you would explain a topic to someone else is very effective revision.
- You will quickly identify where gaps lie in your knowledge and understanding and find the topics that you need to focus on for the exam or end-of-module assessment.



Core knowledge revision topics

Complete a RAG rating of each topic to map out the areas where you need further revision.

Unit	Revision topic	R	A	G
Materials and their properties	Textiles			
	Polymers			
	Metals			
	Timber			
	Papers and boards			
New and emerging technology	Industry and enterprise			
	Sustainability and the environment			
	People, culture and society			
	Production techniques and systems			
Energy, materials, systems and devices	Informing design decisions			
	Energy generation			
	Energy storage			
	Modern materials			
	Smart materials			
	Composite materials and technical textiles			
	Systems approach to designing			
	Electronic systems processing			
Mechanical devices				

REMEMBER YOU CAN USE YOUR
PLC'S AND GIVE YOURSELF A RAG
RATING ON YOUR UNDERSTANDING





Explain the topic to others

- Even if you can't meet other students, you can still get help from people who don't know anything about the subject, if they're willing.
- Explaining something to them helps you get it clear in your own mind.
- You can tell them 'What I've learned today'.
- They can ask you short questions from exam papers or that you've developed.

3 Which of the following metals should not be used outdoors without a protective coating of a different material?

- A Aluminium alloy
- B Copper
- C Low carbon steel
- D Zinc

[1 mark]

4 Which **one** of the following is a production method based on providing stock as it is needed?

- A Computer Aided Manufacture
- B Flexible Manufacturing
- C Integrated Manufacture
- D Just in Time Manufacturing

[1 mark]