



# KS4 Knowledge Organiser Subject: Year 11 Construction

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Also, please remember, you should spend 20 minutes on the following apps and websites:

- GCSE Pod
- PIXL Lit
- PIXL Maths App
- Tassomai
- BBC Bitesize
- Onmaths
- Corbett Maths
- English Instagram @greenacreenglish
- Quizlit

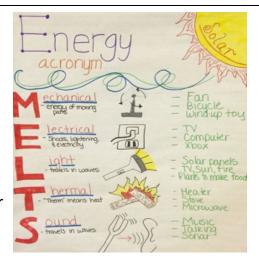
If you would like support with any of the apps, please email ....

## **How to use the Knowledge Organiser:**

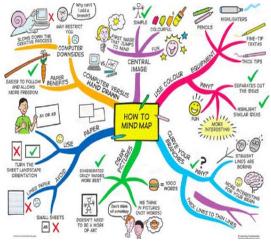
- Your teacher will direct you to what topics to revise for each week
- You will be expected to revise for at least 30 minutes each evening
- Ask someone to quiz you on the key information
- Remember to APPLY the information using the tasks included in each Knowledge Organiser

## **Revision techniques and strategies**

- 1. Turn your huge amount of revision notes into small and easy to handle
- 2. Put a question on the front of your flash cards and write the answer on the reverse then ask someone to quiz you
- 3. Mind map what is the topic and what are the key points you need to remember? You could use different colours for different ideas/characters
- 4. A question a day complete an exam question, under timed conditions, each day
- 5. Record yourself reading your notes and listen back to yourself
- 6. BUG the question write out exam questions, examine the key words and plan an answer
- 7. Use of post-it notes place post-it notes in key places so you are constantly reading key information
- 8. Make lists of important facts and figures
- 9. Draw diagrams to help you visually remember your notes
- 10. 'Look, cover, say, write, check' use this method to make sure that you are remembering key information







## **Revision tips**

- Make sure you get some sleep cognition (acquiring and understanding information) and ability to recall learned facts is limited when you are sleep deprived.
- Eat a healthy, balanced diet lots of fruit and veg, meats for protein, limit sugary fatty foods.
- Switch off social media/distractions ignore your phone for a few hours! It will help you keep focused. Social networking, while it's fun, is a big distraction from your revision.
- Give yourself a nice space to work in have a nice, organised study space with lots of stationary to help you make quality notes/highlight.
- Make a plan schedule dedicated study time into your daily schedule. Be organised with your time. Stick to your plan. Sacrifice some of your social time for study time. No pain, no gain!
- Start your revision early start now, if you have not already done so, not days before your exam.
- Do small chunks of revision. Your brain is not capable of mass storing information in a short space of time. Digesting small chunks of information, over a longer period of time, means you are more likely to remember it

Click on the QR code below which will take you to the revision support page on our website:





## Constructing the Built Environment

#### Unit 3 revision

### Job roles in construction

# Client's team

- 1. Client
- 2. Architect
- 3. Engineer
- 4. Quantity surveyor
- 5. Project manager
- 6. Designer



## Contractor's team

- 1. Builder
- 2. Site engineer
- 3. Site supervisor
- 4. Safety officer
- 5. Tradespersons
- 6. Specialist sub-contractors



What are the responsibilities in each of these job roles?

# Statutory personnel

- 1. Building inspector
- 2. Town planner
- 3. Public health inspector



# **General**

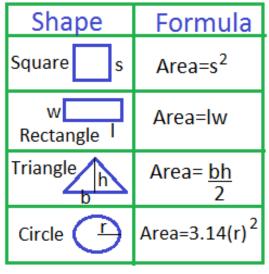
- 1. Administrator
- 2. Finance officer
- 3. Public liaison officer
- 4. Purchasing/procurement officer
- 5. Catering
- 6. Security

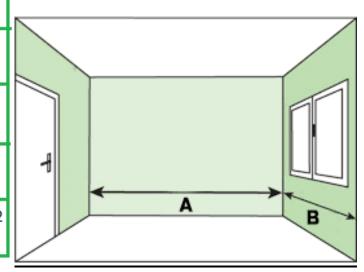




#### Maths: Working out area

Shape	Name	Formula for Area
Base	Square	Base x Height
H igh	Rectangle	Base x Height
Height	Triangle	Base x Perpendicular Height ÷ 2
Height	Trapezium	<u>( a + b ) x height</u> 2
Height	Parallelogram	Base x Perpendicular Height





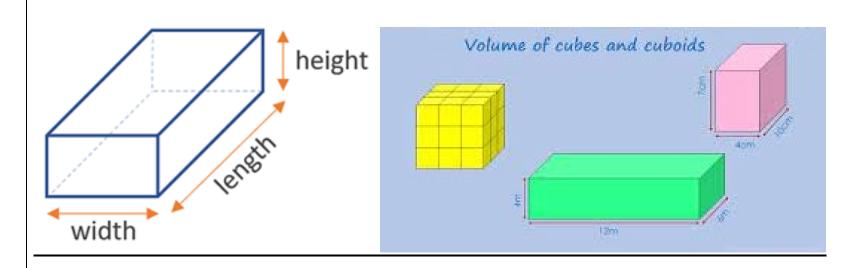
Scan QR code on the right and Watch the video



You will need to calculate the area of a space to figure out how much material you need for painting, flooring.

### **Maths: Working out volume**

You will have to be able to calculate volume for calculating how much of a material you may need. For example concrete for a hole.





Watch the video on the left

Vocabulary Wider Research	Apply
Client Contractor Statutory Personnel Architect Engineer Quantity surveyor Project manager Designer Builder/site engineer, Site supervisor, Safety Officer, Tradespersons, Sub-contractors Building inspector Town planner Public health inspector Administrator Finance officer Purchasing/procurement officer Catering Security Area Length Width Height Volume Thickness  Roles and responsibilities in construction https://cadvantage- knowledge.co.uk/product/news- articles/articles/construction-project-team- roles-and-responsibilities/  Architecture and Construction Through Mathematics https://www.dreambox.com/blog/architecter- articles/articles/construction-project-team- roles-and-responsibilities in construction https://cadvantage- knowledge.co.uk/product/news- articles/articles/construction-project-team- roles-and-responsibilities in construction https://cadvantage- knowledge.co.uk/product/news- articles/articles/construction-project-team- roles-and-responsibilities in construction https://cadvantage- knowledge.co.uk/product/news- articles/articles/construction-project-team- roles-and-responsibilities/  Architecture and Construction Through Mathematics https://www.dreambox.com/blog/architecter- re-and-construction-through-mathematics  https://www.dreambox.com/blog/architecter- re-and-construction Through Mathematics https://www.dreambox.com/blog/architecter- re-and-construction-through-mathematics  https://www.dreambox.com/blog/architecter- re-and-construction-through-mathematics  https://www.dreambox.com/blog/architecter- re-and-construction-Through Mathematics https://www.dreambox.com/blog/architecter- re-and-construction-through-mathematics  https://www.dreambox.com/blog/architecter- re-and-construction-through-mathematics  https://www.dreambox.com/blog/architecter- re-and-construction-through-mathematics	<ol> <li>Look up the job roles in the client's team in topic 1 and create a visual mind map of each job explaining their responsibilities.</li> <li>Look up the job roles in the Contractor's team in topic 1 and create a visual mind map of each job explaining their responsibilities.</li> <li>Look up the job roles in for the statutory personnel in topic 1 create a visual mind map of each job explaining their responsibilities.</li> </ol>