

# Design Engineer Construct – Preparation for sixth form

Brief introduction: Congratulation on picking the best Built Environment course there is! We hope this gives you some guidance as how best to prepare yourself for picking this subject. Whether you plan on becoming an Architect, Project Manager, Civil or Structural Engineer there are lots of exciting things you can do to prepare for the course.

You must complete every section of the *compulsory* work needed to support your transition into DEC, it is also highly recommended that you complete the *suggested* preparation work

			Completed
Compulsory work	Online resources	It is essential that you download the pdf that contains the course outline and your assignment for the summer, print if possible / if not read through them and then respond on paper. Watch this: <a href="https://www.youtube.com/watch?v=clsIKv1IFZw&amp;t=297s">https://www.youtube.com/watch?v=clsIKv1IFZw&amp;t=297s</a>	
	Key Roles / terminology	What is the Built Environment? What part do the following professionals take in a building project? <ul style="list-style-type: none"> <li>• Architect</li> <li>• Project Manager</li> <li>• Structural Engineer</li> <li>• Building Services Engineer</li> <li>• Landscape Architect</li> <li>• Interior Designer</li> <li>• Planning Officer</li> <li>• Land Surveyor</li> </ul> <a href="https://www.goconstruct.org/learn-about-construction/find-the-role-for-you/careers-a-to-z/">https://www.goconstruct.org/learn-about-construction/find-the-role-for-you/careers-a-to-z/</a> What role interests you most?	
	Specific subject task	Complete the attached booklet: You are going to design an Eco Retreat in a location of your choice.	
Suggested preparation work	Suggested reading	Built by Roma Agrawal, the Structural Engineer for the Shard in London <a href="https://www.designcouncil.org.uk/what-we-do/programmes/built-environment">https://www.designcouncil.org.uk/what-we-do/programmes/built-environment</a>	
	Debate topics	'All buildings should be carbon zero by 2025?' Write a for and against argument for this topic	
	Ted Talk / documentary	Choose of the Ted talks and take notes. What have you learned? Do you agree with the main points? <a href="https://www.ted.com/playlists/28/sustainability_by_design">https://www.ted.com/playlists/28/sustainability_by_design</a>	
	Magazines / articles to read online	<a href="https://www.dezeen.com/">https://www.dezeen.com/</a> <a href="https://www.bdonline.co.uk/">https://www.bdonline.co.uk/</a> <a href="https://www.theb1m.com/">https://www.theb1m.com/</a>	
	Netflix	<a href="https://www.netflix.com/gb/title/80057883">https://www.netflix.com/gb/title/80057883</a> Abstract: The Art of Design Season 1: Bjarke Ingels Season 2: Neri Oxman	