


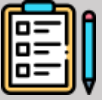




## Subject: Construction

## Phase: Key Stage 4/5

Welcome to the Construction Super Curriculum. Below you will find a whole host of exciting things to do to develop your understanding and boost your knowledge of Sustainable Construction. We hope you enjoy doing this work. You might want to create a workbook, journal or presentation of the things you do. You will earn reward points if you can show your tutor.

<b>READ</b> 	<b>WATCH</b> 
<p>Whether you're self-building, extending or renovating, take a look at our list of measures you can introduce to reduce your energy consumption, keep household energy bills low and minimise your carbon footprint. Take a look at the link below from BUILD IT magazine</p> <ul style="list-style-type: none"> <li>• <a href="https://www.self-build.co.uk/12-ways-to-save-on-home-energy-bills/">https://www.self-build.co.uk/12-ways-to-save-on-home-energy-bills/</a></li> </ul>	<p>Lots of organisations have buildings from where they operate from. One of the best known organisations, the Olympic federation, had a building constructed that claims to be the most sustainable building in the world. Check it out in the link below.</p> <ul style="list-style-type: none"> <li>• <a href="https://www.ukconstructionmedia.co.uk/videos/inside-one-of-the-most-sustainable-buildings-in-the-world/">https://www.ukconstructionmedia.co.uk/videos/inside-one-of-the-most-sustainable-buildings-in-the-world/</a></li> </ul> <p>Take a look at what our future looks like through the Neom project in Saudi Arabia. This style of living and construction is beyond most people's income but we will soon see some of the technologies used at neom here in the UK.</p> <ul style="list-style-type: none"> <li>• <a href="https://www.neom.com/en-us">https://www.neom.com/en-us</a></li> </ul>
<b>LISTEN</b> 	<b>DO</b> 
<ul style="list-style-type: none"> <li>• <a href="https://www.youtube.com/watch?v=hPdXHG_HrffE">https://www.youtube.com/watch?v=hPdXHG_HrffE</a></li> </ul>	<p>Research different techniques in bricklaying and different bonds.</p> <p>Research the different methods of how traditionally built houses were constructed and how modern houses are now built.</p>

	<p>Look at the different types of materials used, the different types and thicknesses of insulation, and why we use insulation, is it to keep the heat in or out?</p> <p>What are building regulations and why do we have them?</p> <p>Do we have to adhere to building regulations?</p> <p>What is the difference between a pitched roof and a flat roof?</p>
--	--

