

KNOWLEDGE BASED QUEST

YEAR 6 Tower construction and light up – Electricity and strengthening structures

<u>Vocabulary</u>	<u>Word definition</u>
Construction	the action of building something, typically a large structure
Structures	a building or other object constructed from several parts
Transmission tower	the mechanism by which power is transmitted
Light	the natural agent that stimulates sight and makes things visible
Skyscrapers	a very tall building of many storeys
Strengthening structures	Structural strengthening is the process of upgrading structures to improve performance under existing loads or to increase the strength of structural members to carry additional loads
Multi-storey	(of a building) having several storeys
Material	the matter from which a thing is or can be made

Why do we need towers?

What material do we use to build towers?

Could we build just one type of tower?

How many different kinds of towers can you think of?

Do you know the height of the world's highest tower?

What is the importance of light when constructing a tower?

Think of examples where towers need to have strengthened structures, can you tell me why they are needed to be included in their construction?

What type of tower would we look for if we were on a ship at sea?



