



### **Art Knowledge Organiser**

Would it be more sustainable if we all lived in cities?

Term: Spring 2

### **Skill:** Research and planning

What makes a building green?



# One Angel Square,

Manchester, UK, has its own heat and power generating system (CHP) fuelled by waste cooking oil.

Pixel Building,

Australia, generates

power. It's a carbon-

its own water and

neutral building.



# World Trade Center,

Bahrain, uses three turbines to harness the wind power from its deserts for electricity.



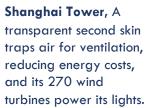
#### Vancouver Convention

Center, Canada, houses four hives to pollinate its roof plants which helps to regulate temperature. It also helps support a



- Materials
- Renewable energy
- Reduced carbon emissions
- Reduced energy consumption
- Longevity

marine ecosystem.









### **Vocabulary Tier 3**

Scale Urban Sculpture Outcome Line Shape Form Mixed media Green

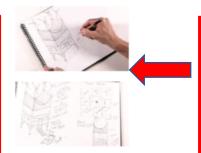
Ecodesign

Plan view

# **Vocabulary Tier 2**

Ideas Materials **Techniques** Artists Architects Designers **Processes** Product Adapt

Evaluate



## Skill: Design

To design a proportional building in an sustainable architectural style.



- To draw from observation and imagination.
- To be inspired by great architects.
- To design and draw a building using a fronted elevation view.

## architecture is to make people happy, then we make it

The purpose of

time because it's ethical to do for the environment"

areen at the same



### Zaha Hadid

Born 1945, Iraq-British **Architect** 



SDG

#### Michael Reynolds

Born 1945, New Mexico **Sustainable Architect** 







