



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 its own water and power. It's a carbon-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 marine ecosystem.

- Living architecture/ biophilic architecture
- Materials
- Renewable energy
- Reduced carbon emissions
- Reduced energy consumption
- Longevity

Shanghai Tower, A transparent second skin traps air for ventilation, reducing energy costs, and its 270 wind turbines power its lights.



Vocabulary Tier 3

Scale
Urban
Sculpture
Outcome
Line
Shape
Form
Mixed media
Green
Ecodesign
Plan view



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.

Vocabulary Tier 2

Ideas
Materials
Techniques
Artists
Architects
Designers
Processes
Product
Adapt
Evaluate

“ The purpose of architecture is to make people happy, then we make it green at the same time because it's ethical to do for the environment ”

Zaha Hadid

Born 1945, Iraq-British
Architect



SDG

Michael Reynolds

Born 1945, New Mexico
Sustainable Architect

