



Design Technology

Y8 Sustainable Housing Design

The Climate Change Act:

The Climate Change Act states that by 2050 all countries should have 'net zero' emissions.



Renewable Energy:

Collected from resources which are naturally replenished, such as sunlight, wind, rain, tides, waves, and geothermal heat.

(Solar panels, heat pumps, wind turbines)

Non-renewable Energy:

Produced from a natural resource that cannot be readily replaced. An example is fossil fuels (coal, oil, gas) which will one day run out.

Sustainable design:

Aims to have a lower impact on the environment when compared to traditional design.

Computer Aided Design (CAD):

Use of a computer software programme to aid in the creation, modification and final outcome of a design.

Benefits of CAD:

Design can be edited and changed

Once confident, it is relatively easy to produce multiple variations of a design

Able to add realistic surface finishes

Negatives of CAD:

Requires training and experience to use

Can sometimes limit design ideas due to software capabilities

2 point perspective:

Lines are drawn to 2 vanishing points to allow a drawing to be created in 3D



Graphic designer

Design for books / magazines / internet / packaging.



Architect

Designs buildings / landscapes



Engineer

Designs, builds, or maintains engines, machines, or structures

