

Core Knowledge

- Across the world, homes are adapted to the prevailing conditions that impact on them.
- The climate and topography have an impact upon homes.
- Sustainability improves the quality of our lives, protects our ecosystem and preserves natural resources for future generations.
- Carbon neutrality (net) is a state of net zero carbon dioxide emissions. This can be achieved by ending the use of coal, oil and gas.

Sustainability



Domain

- *Sustainable housing.*
- *Homes around the world.*
- *Introduction to budgeting.*
- *Impact of global warming.*
- *Conductors, convectors, and radiation.*
- *Energy sources.*
- *Bloom by Nicola Skinner*

Home Learning

- Create a poster discussing the keyways of reducing your carbon footprint.
- Explore your local area and notice the keyways that different parts of it could be more sustainable.
- Collect recycled materials and create a piece of artwork using the materials. Bring the artwork into school and tell us about it.
- Plant your own fruit/vegetables at home.

Key Words

- Adaptation
- Climates
- Floods
- Waterproof
- Boathouses
- Sustainability
- Resources
- Thrive
- Replenish
- Non-renewable
- Carbon Net Zero
- Imperatives
- Eliminate
- Architect
- Foundations
- Interior
- Joinery
- Electricity
- Glazier
- Electrician
- Fully-functioning
- Conduction
- Convection
- Radiation

Core Knowledge

- Convection is the movement by which heat is transferred by a heated liquid such as air or water.
- Conduction is the process by which heat energy is transmitted through an object.
- Radiation is energy that comes from a source.
- Most houses and bungalows are brick or block wall construction. They usually have a sloping roof and solid or cavity walls.
- Sustainable technology helps to reduce the impact on the environment and reduce maintenance costs.