

Geography - Summer - Year 6 – What are some communities doing to act more sustainably?

What I need to know:

Sustainability means that a process, resource or state can be maintained for as long as needed.

Sustainable cities aim to reduce pollution and carbon emissions by offering alternative transportation methods such as improved public transport, cycle lanes, electric bikes and trams.

There are many cities and communities that are working to become more sustainable.

Costa Rica, New York, Copenhagen and Amsterdam are examples of places where sustainable projects have been introduced.

Solar panels, wind turbines and hydroelectric dams all generate energy through renewable processes.

Non-renewable processes use fossil fuels such as coal, petrol and gas, which, once used, cannot be replaced or maintained. Fuels can also release gases into the atmosphere which cause the Earth to get hotter.

Vocabulary Focus:

sustainability – a process, resource or state that can be maintained for as long as needed.

greenhouse gas – any gas released from Earth capable of trapping sunlight in the planet's atmosphere, which causes the planet as a whole to become warmer. Carbon dioxide is an example of a greenhouse gas.

renewable – able to be generated again; will not run out.

fossil fuels – any carbon-containing fuel formed from the remains of prehistoric plants and animals. Coal, petroleum and natural gas are examples of fossil fuels. Once used, they cannot be replaced.

six-figure grid reference – used to specifically identify or indicate a location within a grid square.

SDG Link:

Affordable and Clean Energy – Lesson 3 – To explain how natural resources are used for sustainable energy.

Sustainable Cities and Communities– Lesson 4 – To explore features of a sustainable city and its buildings.

What type of renewable energy is shown in each image?



What sustainable transport options are there in your own communities?



Six Figure Grid References



LEGEND	
■	Houses
☐	Office
⚖	Courthouse
☎	Phone booth
🌴	Palm tree
⛪	Church
🎓	School
P	Car park
H	Hospital
☕	Café
✉	Post office
⌈	Bridge
—	Road
⋈	River
▨	Farm land

