

Key vocabulary

Environment	All the physical surrounding on earth
Waste	Rubbish that is thrown in the bin or recycled
Recycled	Making rubbish into something new
Landfill	A place where waste is kept.
Land use	The management and modification of natural environments into built settlements
Renewable	Sources of power that quickly replenish themselves—solar, wind, wave
Non-renewable	Energy that will eventually run out. Once they have been used, they cannot be replaced. E.g. coal, oil and natural gases (these are fossil fuels)
Global warming	A gradual increase in the overall temperature of the earth's atmosphere cause by increased levels of carbon dioxide
Biodegradable	A substance or object able to decompose by bacteria or other living things (avoids pollution)
Greenhouse effect	The trapping of the sun's warmth in a planet's lower atmosphere
Pollution	The presence of a substance which has a harmful effect on the environment.

Shoreham has a lot to offer our local community, ensuing we are recycling what we can and using renewable energy where possible. We will follow a map to find the following features in our local area:

Shoreham Wind Turbines

Our turbines are capable of generating on average 550,000kWh of electricity per year.

Rampion offshore wind farm

This wind farm generates 400 megawatts of power, the equivalent of the electricity used by 290,000 homes.

Shoreham solar energy supply

Shoreham has already made major strides forward in large-scale solar energy production and solar panels installed on Port Authority owned buildings and to date have a peak production rate of over 2.3 MWp from over 9,500 solar panels.

Shoreham Power Station

Our local power station meets energy needs of 400,000 homes on the south coast. The station uses a gas turbine, and a steam turbine and generator

Recycling

Recycling reduces the need for extracting, refining and processing raw materials all of which create air and water pollution. As recycling saves energy it also reduces greenhouse gas emissions, which helps to tackle climate change.



Shoreham household waste recycling site

Shoreham has a large site where locals can recycle objects from their house. However, they have not made the top of the league

Council	Dry	Compost	Total
South Oxfordshire District Council	35.14%	26.11%	61.25%
Mid Sussex District Council	34.16%	11.12%	45.28%
City of London	33.88%	1.31%	35.19%
Uttlesford District Council	33.80%	20.03%	53.83%
South Kesteven District Council	33.11%	17.95%	51.06%
Blackburn with Darwen Borough Council	32.66%	10.44%	43.10%
Worcester City Council	32.45%	1.08%	33.53%
Waverley Borough Council	32.29%	4.88%	37.17%
Mole Valley District Council	32.13%	18.20%	50.33%
Adur District Council	31.95%	5.44%	37.39%

West Sussex Recycling Rate for 2018/19 **51.9%**

Skills that we will use

- Use six-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of Shoreham
- Use fieldwork to observe, measure, record and present the human and physical features in our local area
- Consider how Shoreham us used to boost economic activity including trade links, and the distribution of natural resources including energy, food,

