



Year 8: Sustainable Cities

VOCABULARY LIST

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|------------------------|--|
| Urbanisation | The rise in the percentage of people living in urban areas in comparison to rural areas |
| Urban Areas | Build up areas |
| Rural Areas | Countryside areas |
| Push Factors | Bad things forcing people to <u>leave</u> the rural area |
| Pull Factors | Good things <u>attracting</u> people to the urban area |
| Sustainability | meet the needs of the present without compromising the ability of future generations to meet their own needs |
| Recycling | Recycling is the process of converting waste materials into new materials and objects. |
| OS Maps | An Ordnance Survey map is a detailed map produced by the British or Irish government map-making organization. |
| Fossil Fuels | A natural fuel such as coal or gas, formed in the geological past from the remains of living organisms. |
| Renewable Fuel | A natural resource or source of energy that is not depleted by use, such as water, wind, or solar power. |
| Organisms | An individual animal, plant, or single-celled life form. |
| Grid References | a map reference indicating a location in terms of a series of vertical and horizontal grid lines identified by numbers or letters. |
| Northings | a figure or line representing northward distance on a map |
| Eastings | a figure or line representing eastward distance on a map |
| Migration | movement from one part of something to another |
| Economic | Factors involving money |
| Environmental | Factors involving the natural world |
| Social | Factors involving people and communities |
| Infrastructure | the basic physical and organizational structures and facilities |

Where is Woking?



Where is Freiburg?



How to take a 4 figure grid reference

To start, a four-figure grid reference is a handy way of identifying any square on a map. Grid references are easy if you can remember that you always have to go along the corridor before you go up the stairs. To find the number of a square first use the eastings to go along the corridor until you come to the bottom left-hand corner of the square you want.

Write this two-figure number down. Then use the northing to go up the stairs until you find the same corner. Put this two-figure number after your first one and you now have the four-figure grid reference, which looks like the example in diagram D: 6233.

How to take a 6 figure grid reference

If you want to pinpoint a more exact place on a map, such as your own house, you will need to use a six-figure grid reference. First find the four-figure grid reference for the square and write it down with a space after each set of numbers, like this: 62_ 33_

Now imagine this square is divided up into 100 tiny squares with 10 squares along each side. Still remembering to go along the corridor and up the stairs, work out the extra numbers you need and put them into your four-figure grid reference like this in diagram E: 625 333.

What makes Freiburg sustainable?

Each household or apartment building is equipped with three bins: one for paper, one for organic food and garden wastes

In Freiburg the bio-bin is emptied once a week, the others once every two weeks.

Freiburg is "green" in appearance. It is home to Germany's largest communal forest, covering over 40% of the city.

All houses are built to a low-energy consumption standard, with 100 units designed to an ultra-low energy building standard.

The primary aim of Freiburg's transport policy is the prevention of traffic by the creation of a compact city that people can cross quickly

What makes Woking sustainable?

They have teamed up with national charity, City to Sea, to set up a local water refill initiative called, Refill Woking, to encourage the reduction of single use plastic bottles.

There are electric vehicle charging points in specially marked bays in the some Woking town centre car parks.

Surrey County Council are working with Enterprise Car Club to expand car club provision county-wide. There are now 26 Enterprise Car Club cars available in six towns

Impartial energy advice centre set up by local councils across Surrey as well as Surrey County Council.

A community group of members that will adopt sustainable lifestyles and will support and encourage all members of our community to: