

D&T Knowledge Organiser

Can small actions make a difference?

- I know the basic recipe for bread. and small changes in a recipe will affect the taste and texture of the bread.
- I know different times of the year yield different crops: Potatoes are harvested in July to September. Pumpkins are harvested in October. Carrots and tomatoes from June to August. Apples from August to September
- I know how to knead and make dough, which will make bread.

Community

- I know fair trade is about paying people a fair wage for the work they do. Fairtrade stickers on food labels tell me this is being applied, to build a fair community. I know that many people believe American entrepreneur Edna Ruth Byler to be one of the first people in history to engage in fair trade



Sustainability

- I know the cost of making bread and the importance of not wasting food, so food production is sustainability and can feed **everyone**.

Achievements

- I know bread is bought by 99.8% of British households, and the equivalent of nearly 11 million loaves are sold each day.

Concepts

- Achievements
- Community
- Change
- Sustainability

Values

- Fairness
- Togetherness.



Sticky Vocabulary	
Yeast	A microscopic fungus consisting of single oval cells that reproduce by budding, and capable of converting sugar into alcohol and carbon dioxide.
Rising	Going up, increasing, or sloping upward
Mixed	Combined together
Kneading	Work (moistened flour or clay) into dough or paste with the hands
Dough	Thick, malleable mixture of flour and liquid, used for baking into bread or pastry
Crops	Cultivated plant that is grown on a large scale commercially, especially a cereal, fruit, or vegetable.
Recipe	Set of instructions for preparing a particular dish, including a list of the ingredients required.
Harvested	Gather (a crop) as a harvest
Fair-trade	The producer receives a guaranteed and fair price for their product regardless of the price on the world market
Hygienic	Maintaining health and preventing disease, especially by being clean; sanitary

Key questions:

What affect does changing the ingredients in the bread recipe have on the taste of the bread?

Geography Knowledge Organiser

How do small acts make a difference?

- I know Wirksworth is in Derbyshire and was an old lead mining town.
- I know that Derby is a city in the UK and the river Derwent flows through it. Human characteristics in Derby include Derby Cathedral and Pickford House.
- I know that Europe is a continent and can locate this on a world map.
- I know that Freiburg is a city, in Germany, which is in Europe.
- I know UK is an island surrounded by the North Sea, the English Channel and the Irish sea.
- I know mountains can be made by tectonic plates on the Earth's crust bumping into each other and forming a mountain range such as the Alps in Italy.
- I know that the Alps are a mountain range that runs through several countries such as Italy, Germany and France.
- I know a river is a moving body of water that flows from its source on high ground, across land, and then into another body of water, which could be a lake, the sea, an ocean or even another river.
- I know that Rivers usually begin in upland areas, when rain falls on high ground and begins to flow downhill. They always flow downhill because of gravity.
- I know rivers flow, they erode – or wear away – the land. Over a long period of time rivers create valleys, or gorges and canyons if the river is strong enough to erode rock. They take the sediment – bits of soil and rock – and carry it along with them.
- I know Freiburg's physical characteristics include the river Dreisam, and its location at the edge of the Black Forest.
- I know Kinder Scout is the highest mountain point in the Peak district.

Sustainability

- I know that Freiburg ensures sustainability by using cloth nappies, composting food waste and use of electric trams to reduce pollution.

Change

- I know Freiburg in Germany have made small changes to make them more sustainable as a city.

Achievements

- I know achievements in Derby include Rolls Royce and the Railway Industry.

Concepts

- Achievements
- Community
- Change
- Sustainability

Values

- Fairness
- Togetherness.

Key questions

- How do rivers and mountains link together?
- How have Freiburg's small changes made a difference to how they live more sustainably?

Sticky Vocabulary	
Tectonic plates	Massive slab of solid rock made up of Earth's lithosphere (crust and upper mantle).
Island	A body of land surrounded by water.
Erode	Geological process in which earthen materials are worn away and transported by natural forces such as wind or water
Sediment	Solid material that is moved and deposited in a new location , this can be rocks and minerals, as well as the remains of plants and animals
Fair-trade	The producer receives a guaranteed and fair price for their product regardless of the price on the world market
Settlement	Where people live
Land-use	The function of land - what it is used for
Urban areas	A built-up area such as a town or city
Europe	One of the seven continents
River	Bodies of water that flow. Rivers start where rain falls onto hills and mountains and flows downhill to join the sea or a lake or loch
Gorges	A narrow valley with steep, rocky walls located between hills or mountains.
Canyons	A deep, narrow valley with steep sides
Valleys	Depressed areas of land—scoured and washed out by the conspiring forces of gravity, water, and ice.