

Northgate Geography Knowledge Organisers

Hours spent on this topic: 6 hours



Year: 5

Term: Autumn 2

Cornerstones Topic: Time traveller

Geography Topic: Our Local environment

What should I already know?

We live in England which is in the UK
 We live in Hertfordshire which is a county and the town we live in is called Bishop's Stortford.
 Human features are features that have been made by people eg road, shops
 Physical features are natural features of land eg rivers

Key Vocabulary

Urbanisation	The increase in the percentage of people living in towns.
Function	The main activities or purpose of a settlement. E.g. residential, industrial, commercial and recreational.
Housing types	Such as terraced, semi-detached, detached, flats or bungalows.
Land use	The way in which land is used by people. Examples could include housing, industry or green spaces (such as parklands or farming).
Rural	Relating to the countryside.
Settlement pattern	The shape and spacing of settlements, settlements might be linear (such as following the path of a road or river), dispersed (such as a number of farms), or nucleated (such as a densely settled village or town).
Site	The location of where a settlement first started.
Maps	A map is a two-dimensional drawing of an area.

Cross curricular opportunities

Balanced argument—English

Key Locational Knowledge

Bishop's Stortford is a market town 28 miles north-east of central London, just west of the M11 motorway on the county boundary with Essex. It is commuter town for mainly financial workers in London. The town is also home to many people working in the tourist industry, including hotels, and airline staff, as it is the closest large town to Stansted Airport. Bishop's Stortford had an estimated population of 40,000 in 2017. Farm land was sold to build Stortford Fields, a brand new development housing estate located on the outskirts of Bishop's Stortford. Once complete, Stortford Fields will include two new primary schools and a secondary campus, two mixed-use local centres with shops and healthcare facilities, sports and play area facilities and allotments.

Fieldwork skills

Gathering information about living in Stortford Fields
 Prepare questions for an interview. Use appropriate language. Ask questions that are responsive to the interviewee's views. Make brief notes during an interview to help them make a clear record of the main points.
Audio/visual
 Take photos of the new housing estate. Present them in a iMovie advertising the Bishop's

Geographical Enquiry

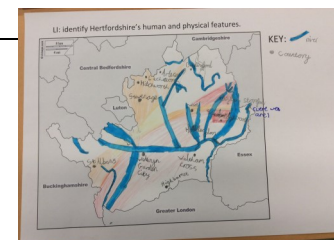
Begin to use primary and secondary sources of evidence in their investigations.
 Collect and record evidence unaided.
 Analyse evidence and draw conclusions e.g. compare historical maps of varying scales e.g. temperature of various locations - influence on people/everyday life.

Using maps and scale

Compare maps eg street map, OS map and google maps of Bishop's Stortford. Do they give us the same information?
 Use large scale land ranger Ordnance Survey map of Bishop's Stortford.
 Use/recognise Ordnance Survey map symbols.
 Find/recognise places on maps of different scales (e.g. Northgate, Stortford Fields)
 Use 8 compass point to describe locations
 Use 4 figure co-ordinates to locate features on a map.
 Draw a sketch map using symbols and a key.

Map Knowledge

Identify counties in the UK, and land use using the key.
 Know symbols are generally the same on most types



Vocabulary Word mat - Time Traveller

Word
Function

Definition

The main activities or purpose of a settlement. E.g. residential, industrial, commercial and recreational.

Word
Settlement pattern

Definition

The shape and spacing of settlements, settlements might be linear (such as following the path of a road or river), dispersed (such as a number of farms), or nucleated (such as a densely settled village or town).

Word
Maps

Definition

A map is a two-dimensional drawing of an area.

Word
Housing types

Definition

Such as terraced, semi-detached, detached, flats or bungalows.

Word
Rural

Definition

Relating to the countryside.

Word
Urbanisation

Definition

The increase in the percentage of people living in towns.

Word
Land use

Definition

The way in which land is used by people. Examples could include housing, industry or green spaces (such as parklands or farming).

Word
Site

Definition

The location of where a settlement first started.

Word
Suburb

Definition

The residential and commercial development at the edge of a city.

Northgate Geography Knowledge Organisers

Hours spent on this topic: 8 hours



Year: 5

Term: Spring

Cornerstones Topic: Alchemy Island

Geography Topic: Maps and rainforests

What should I already know?

Climate is weather patterns in a place over a long period, such as seasonal rainfall.(y3)

Climate zones are geographical zones loosely divided according to their climate. Eg according to average rainfall and average temperatures. (y3)

The three major climate zones on earth are the polar, temperate and tropical zones (y3)

A volcano is a very deep hole in the Earth's top layer that can let out hot gasses, ash and lava. Many volcanoes are also mountains. (Y3)

Mountains are areas of land that are much higher than the land surrounding them. They are higher and usually steeper than a hill and are generally over 600 metres high. When many mountains are close together, this is called a range.

Location of **seven continents and five oceans** of the world.

Key Locational Knowledge

Locate South America, Brazil and the Amazon on a World map
Locate London and Rio de Janeiro and know they are the countries capital cities

Human and Physical Geography

There are different types of types of land use,
Countries need trade for other goods or services or money
Natural resources including energy, food, minerals are essential

Rainforests are forests that get a lot of rain. Tropical rainforests are location in the tropics near the equator so they are very humid and warm

More than half of the world's species of plants and animals are found in the rainforests

Amazon rainforest is the largest tropical rainforest in the world, located in the continent South America

It is located in 9 different countries but the majority of it (around 60%) is located in Brazil.

In general, tropical rainforests have hot and humid climates where it rains virtually everyday. The level of rainfall depends on the time of year. Temperatures vary through the year - but much less than the rainfall.

The trees of the Amazon Rainforest produce more than 20% of the world's oxygen.

Deforestation 1) an area the size of 20 football pitches is destroyed every 60 seconds, 2) $\frac{1}{2}$ of the tropical rainforests we had are gone, 3) animal and plant species are becoming extinct, 4) homes are being destroyed, 5) levels of carbon dioxide are increasing and oxygen is decreasing.

Why are rainforests being destroyed?

- wood for both timber and making fires;
- agriculture for both small and large farms;
- land for poor farmers who don't have anywhere else to live;
- grazing land for cattle;
- pulp for making paper;

Geographical Enquiry

Begin to suggest questions for investigating eg what can we trade to make money?

Analyse evidence and draw conclusions e.g. where to place wind

Using maps and scale

Making maps

Use medium scale land ranger Ordnance Survey maps.

Know that Ordnance Survey maps give a detailed picture of an area including height and contours-eg if the area is flat or is hilly

Use/recognise some Ordnance Survey map symbols.

Use 8 compass points.

Use 4 and 6 figure co-ordinates to locate features on a map.

Measure straight line distance on a plan.

Use atlases to find out about other features of places (e.g. how wet is the Amazon).

Map Knowledge

Locate the world's countries—South America, including Brazil, Chile, Rio de Janeiro, the river Amazon, the Amazon basin, as well as the UK and London

Cross curricular opportunities


Writing - narrative stories, persuasive writing about deforestation


DT—buggy to travel across the island


Key Vocabulary


Mountain	A mountain is a large landform that rises above the surrounding land in a limited area, usually in the form of a peak.
Range	A mountain range is a series of mountains or hills ranged in a line and connected by high ground.
River	a natural watercourse, flowing towards the sea, an ocean or a lake.
Rainforest	a dense tropical forest which has a high annual rainfall
Tropical	Around the middle of the world in a region called the tropics where it is warm all year
Deforestation	The action of clearing a wide area of trees
Biome	A biome is a natural area of plants and animals. The world is divided into lots of different biomes and they are all different depending on their climate. e.g. forest or aquatic, desert, tropical rainforest
Trade	Buying and selling goods or services that we want or need which involves the exchange of goods or services in return for other goods or services or money.

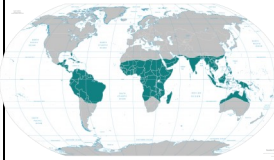
Vocabulary Word Mat for Alchemy Island


<u>Word</u> Mountain	<u>Picture</u> 
<u>Definition</u> A mountain is a large landform that rises above the surrounding land in a limited area, usually in the form of a peak.	

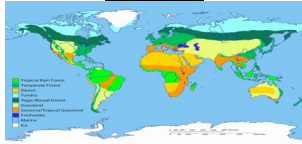
<u>Word</u> Mountain Range	<u>Picture</u> 
<u>Definition</u> A mountain range is a series of mountains or hills ranged in a line and connected by high ground.	


<u>Word</u> Rivers	<u>Picture</u> 
<u>Definition</u> A natural watercourse, flowing towards the sea, an ocean or a lake.	


<u>Word</u> Rainforest	<u>Picture</u> 
<u>Definition</u> A dense tropical forest which has a high annual rainfall.	

<u>Word</u> Tropical climate	<u>Picture</u> 
<u>Definition</u> Around the middle of the world in a region called the tropics where it is warm all year.	

<u>Word</u> Deforestation	<u>Picture</u> 
<u>Definition</u> The action of clearing a wide area of trees.	

<u>Word</u> Biome	<u>Picture</u> 
<u>Definition</u> A biome is a natural area of plants and animals. The world is divided into lots of different biomes and they are all different depending on their climate. e.g. forest or aquatic, desert, tropical rainforest.	

<u>Word</u> Trade	<u>Picture</u> 
<u>Definition</u> Buying and selling goods or services that we want or need which involves the exchange of goods or services in return for other goods or services or money.	

<u>Word</u> Island	<u>Picture</u> 
<u>Definition</u> A piece of land surrounded by water.	

Northgate Geography Knowledge Organisers

Hours spent on this topic: 6



Year: 5

Term: Summer 1

Cornerstones Topic: Namutumba

Geography Topic: Contrasting locations

What should I already know?

There are seven continents on Earth.
 Bishops Stortford is in the continent of Europe.
 Uganda is a country in the continent of Africa.
 In Uganda there is a town called Namutumba.
 The equator is an imaginary line around the middle of the Earth at an equal distance from the North Pole and the South Pole.

Key Locational Knowledge

Uganda is a large landlocked country in the southeast of Africa lying on the equator,
 Its capital and biggest city is Kampala.
 Namutumba is Eastern Uganda.
 The distance as the crow flies from Namutumba to Uganda's capital Kampala is approximately 84 miles.
 Namutumba has fewer people living there (2014 population = 18,736) than Bishops Stortford (2017 population = 40,089).

Geographical Enquiry

Use aerial photographs to compare Bishop's Stortford in the UK and Uganda. What is the same? What is different?
 Suggest questions to gain further information about Uganda and Namutumba. WhatsApp questions to staff at Namutumba School.
 Create a Venn diagram to compare similarities and differences between a Namutumba district and Hertfordshire
 Analyse, interpret and plot graphs that show variations in temperatures across the year in different parts of Uganda (e.g. forests, mountain regions).
 Investigate different animals that live in the different habitats in Uganda.
 Research facts to present in tourist webpage

Key Vocabulary

Climate	The general weather conditions that are
Continent	A very large area of land that consists
Physical features	Natural features of land.
Human geography	Features of land that have been impacted by human activity.
Landlocked	Surrounded by land; without access to
Savannah	Grassy plains.
Plateau	A raised area of land that is flat on top, sometimes found in mountainous areas.
Vegetation	Plants, trees or flowers.
Rural	Places that are far away from large
Urban	Belonging to, or relating to, a town or
Population	All the people who live in a country or

Human and Physical Geography

Key facts about Uganda

Although landlocked, Uganda has many large lakes including Lake Victoria and Lake Kyoga. Lake Victoria, the second largest lake in the world and the largest lake in Africa, sits at the bottom of Uganda.
 Uganda includes wide, open savannahs, misty mountains and plateaus and fertile rainforests
 Nearly one-fifth of the country is open water or swampland.
Climate: tropical; generally rainy with two dry seasons (December to February, June to August);
Other facts
 The official languages of Uganda are English and Swahili.
 The most common religion is Christianity.
 Uganda produces coffee and copper.
 Uganda is one of the poorest nations in the world. 37.7 percent of the people live on less than \$1.25 a day.
 There are ten national parks and thirteen wildlife reserves
 The endangered mountain gorillas are under threat from habitat loss.
Key human features in Namutumba: Namutumba Primary school, Namutumba Hospital, The Iganga-Mbale Road (there is only one road and it goes through the centre of the town).

Using maps and scale

Locate Uganda on a map of Africa.
 Compare maps with aerial photographs.
 Locate key physical features of Uganda on a map.
 Look at the town map of Namutumba. Identify features.
 Find out about other features of places (e.g. rainfall/temperature in Uganda).
 Find/recognise places on maps of different scales (e.g. Lake Victoria).
 Use index and contents page within atlases.

Cross curricular opportunities

Computing—To create a tourist webpage about Uganda
 DT—Ugandan food
 Writing—Persuasive tourism information about Uganda



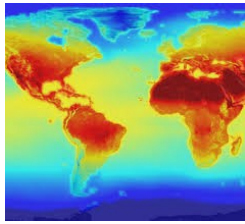
Namutumba District in world map



Vocabulary Word Mat for Namutumba

Word

Climate



Definition

The general weather conditions that are typical of a place.

Word

Continent

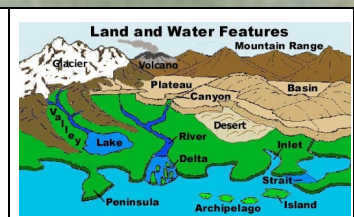


Definition

A very large area of land that consists of many countries. Europe is a continent.

Word

Physical features



Definition

Natural features of land.

Word

Human features



Definition

Features of land that have been impacted by human activity.

Word

Land-locked



Definition

Surrounded by land; without access to the sea.

Word

Savannah



Definition

Grassy plains

Word

Rural



Definition

Places that are far away from large towns or cities.

Word

Urban



Definition

Belonging to, or relating to, a town or city.

Word

Plateau



Definition

A raised area of land that is flat on top, sometimes found in mountainous areas.