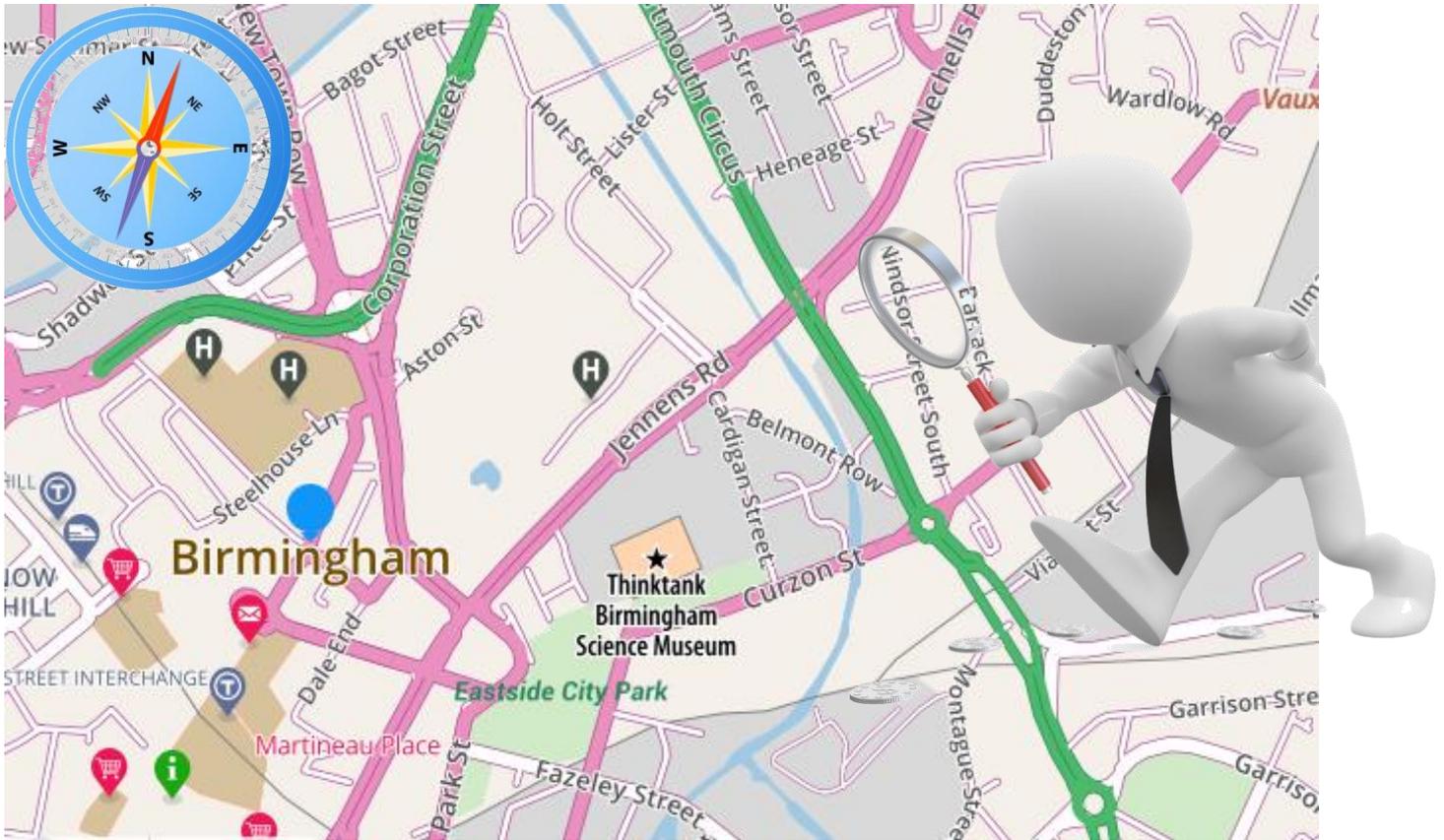# Investigating my patch!

A geographical investigation of my area.

In this investigation you will get the opportunity to find out more about your area, discovering aspects of both physical and human geography. By the end you will have made a poster describing all of the interesting things that you have found out!

The investigation will follow three themes:

Theme 1 – Place – During Theme 1 you will use maps and various online sources to find out where 'your patch' is in the context of Birmingham, and in the wider context of the UK. You will consider which part of Birmingham you live in (North, South, East, or West)? How far are you from the coast? How long would it take you to drive to England's capital, London and how far is it?

Theme 2 – People – In Theme 2 you will look at Census data to find out about the people that live in your area, the jobs they do, how old they are, and where they come from. You will also assess the crime statistics in your area.

Theme 3 – Environment – With Theme 3 you will look at various aspects of the environment in your area. You will look at air quality, the geology of the rocks underneith your feet and house, what the potential flood risk is in your area, and the averages near you.

Summary - Your final task will be to combine the information that you have gathered into an incredible poster about your local area! Collect pictures and graphics as you are going along to help you with this!

Theme 1 – Place

For your first task, you will use maps and various online sources to find out where 'your patch' is in the context of Birmingham, and in the wider context of the UK.

Answer the following questions:

- **Which part of Birmingham do you live in (North, South, East, or West)?**

_____

_____

- **How far are you from the coast/nearest beach?**

_____

_____

- **How long would it take you to drive to England's capital, London and how far is it?**

_____

_____

- **What is Birmingham/your area famous for?**

_____

_____

The links below will help you answer these questions:

https://www.google.com/maps/
https://www.birminghammail.co.uk/whats-on/find-things-to-do/nearest-beach-birmingham-4890813
https://www.birminghammail.co.uk/news/midlands-news/pride-birmingham-42-reasons-proud-7156751

When looking at these sources use 'Print Screen' or 'Snip' to capture images that you can use to put in your poster!

How to 'Print Screen' - https://www.youtube.com/watch?v=sPpYhwdYIes

You could begin making your poster now, filling in the sections theme by them as you go along. You can use powerpoint, word, publisher or even make draw you poster out by hand if you prefer. I recommend making the Page A3 so you have more space if you can.
Be as creative as possible whilst still getting some interesting facts in there!
Look at the example at the end of this document to give you ideas.

Theme 2 – People

Next task. Now you understand a bit more about the location of the place where you live, let's find out about the people in your area. You will analyse the Census data to find out about the people that live in your area, how old they are, and where they come from. You will also assess the crime statistics in your area, and even research if any famous people were born or have lived in your area.

Census data: http://nechells.localstats.co.uk/census-demographics/england/west-midlands/birmingham/nechells

The 'Census' is a big survey that the government does every 10 years to find out about the UK's population. The last Census was in 2011 so the data is getting a bit old now as the new Census is due next year. This data is still useful for helping us find out about our area. Use the link above to answer the following questions:

- **What are the top three areas where people in your area were born?**
- **What is the average age in the area?**
- **What are the top three languages spoken in your area?**

You can search for a different area if necessary.

Crime: https://www.police.uk/pu/your-area/?search=1
Look at the crime statistics for you area.

What are the most common types of crime?

Has Crime increased, decreased, or stayed the same in your area in the last 3 years?

Famous people in your area.

Who is the most famous person from your area?
Search on google and see what you can find.
https://en.wikipedia.org/wiki/List_of_people_from_Birmingham

When looking at these sources use 'Print Screen' or 'Snip' to capture images that you can use to put in your poster!
How to 'Print Screen' - https://www.youtube.com/watch?v=sPpYhwdYIes

Continue adding information to your poster now, filling in the sections theme by theme as you go along.

Theme 3 – Environment

Up next… You will look at air quality, the geology of the rocks underneath your feet and house, what the potential flood risk is in your area, and the climate averages near you. You may have to copy and paste the links.

Geology - http://mapapps.bgs.ac.uk/geologyofbritain3d/

Use the British Geological Survey's geological map of Britain the find out what the geology is like underneath your feet. Use the search box in the top right hand corner to find your area, and then click on the area where you live to find out about the geology.

'Bedrock' refers to the solid rock deep under the ground, often deposited millions of years ago. **'Superficial Deposits'** refer to material put there by rivers or glaciers more recently.

- **What is the Bedrock Geology under your house and how old is it?**
- **What superficial deposits are under your house and how old are they?**

Air Quality - https://aqicn.org/city/birmingham/

Use to web site above to look at Birmingham's air quality.

- **How is the air quality in your area?**

Flood risk - https://flood-map-for-planning.service.gov.uk/

Look at the flood risk maps for your area.

- **Is your house is at a high risk of flooding due to nearby rivers or surface run off?**

Climate Averages - https://www.metoffice.gov.uk/research/climate/maps-and-data/uk-climate-averages/gcqf99dn5

Look at the UK Climate averages for your area.

- **Which are the driest months of the year and the wettest months on average?**
- **Which are the hottest and coldest months of the year on average?**

The Final Task

Your final task will be to **combine the information that you have gathered to make an incredible poster about your local area!**

Use the checklist below to make sure you have included all of the key pieces of information on your poster:

SUCCESS CRITERIA	YES/NO
PLACE: Is the place name is clearly displayed?	
PLACE: How many people live there?	
PLACE: Which County is it in?	
PLACE: You've said how far is your patch from London?	
PLACE: You've said how far is your patch from the beach?	
PLACE: You've said what your area is famous for?	
PEOPLE: What is the average age of people in your patch?	
PEOPLE: Describe where most of the people in your area were born?	
PEOPLE: What is the most common crime in your area?	
PEOPLE: How has Crime changed over the past three years?	
PEOPLE: Describe a famous person from your area and what they are famous for?	
ENVIRONMENT: What is the flood risk in your area?	
ENVIRONMENT: What is the air quality like in your area?	
ENVIRONMENT: What is the geology like underneath the ground in your area?	
ENVIRONMENT: What is the average climate like in your area?	
Have you included pictures?	
Have you included maps?	
Have you included descriptions?	
Can you read all of the writing clearly?	
Have you read over everything and checked your spelling?	

We look forward to seeing the creative and informative posters that you have made in September!

My Patch: Queensbury: Bradford

Queensbury is a village located on the outskirts of Bradford, in West Yorkshire. It has a population of around 16,000 people.

People

The average age of people in Queensbury is 38, while the median age is also 38. 94.9% of people living in Queensbury were born in England. Other top answers for country of birth were 0.8% Pakistan, 0.8% India, 0.7% Scotland, 0.4% Ireland, 0.2% Northern Ireland, 0.2% Wales, 0.1% Kenya, 0.1% Australia, 0.1% South Africa.

1.	England	94.90%
2.	Pakistan	0.80%
3.	India	0.80%
4.	Scotland	0.70%
5.	Ireland	0.40%
6.	Northern Ireland	0.20%
7.	Wales	0.20%
8.	Kenya	0.10%
9.	Australia	0.10%
10.	South Africa	0.10%
11.	Other	2.60%

Queensbury is within Bradford South. Violence and sexual offences are the most common types of crime, but crime levels haven't really changed in the last 3 years.

The most famous person from Queensbury is Percy Shaw who invented 'Cat's Eyes'; the reflective studs on roads.

Place

Queensbury is located in the North of England, but is actually quite close to the middle of Great Britain.

Queensbury is roughly 200 miles from London and it takes about 4 hours to get there either by car or train.

The nearest beaches to Queensbury are in Blackpool, around 60 miles away.

Queensbury is home to the famous Black Dyke Brass Band, named after Black Dyke Mills where they practice.

Environment

Queensbury is at the top of a hill so the flood risk is very low. Great news if you live there!

Bradford's air quality was good on May 19th 2020, but it will get worse later in the week.

Queensbury is built on Sandstone deposites which are over 300 million years old!