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| Investigating Antarctica |

# Introduction

Fieldwork is an essential part of Geography as it helps us understand the world around us and the many different issues it faces. This booklet will help you plan a virtual trip to Antarctica to investigate an extreme environment following the fieldwork enquiry cycle.

After watching the video on Antarctica, write down some questions that you might want to investigate below.

Fieldwork enquiry cycle

# 1. Question and hypothesis

After exploring the different places in Antarctica. Write down the question you want to investigate below:

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Here are some ideas if you need them:

a. What is the social impact of tourism in Antarctica?

b. What is the environmental impact of tourism in Antarctica?

c. How is ice shaping the landscape in Antarctica?

d. How is water shaping the landscape in Antarctica?

e. How does the weather shape the landscape in Antarctica?

f. How biodiverse is Antarctica?

g. How are the coastal landscapes shaped in Antarctica?

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Now, you need to write your hypothesis which is a prediction on what you think the answer to the question will be. Write your hypothesis below:

Hypothesis: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# 2. Method (data collection)

Complete the planning sheet below to think about the data you could collect to answer the enquiry question and how you are going to collect it. There is space for you to think about more than one type of data to collect.

Planning sheet

|  |  |  |  |
| --- | --- | --- | --- |
| **What** data are you going to collect? i.e. wildlife counts, tourist numbers, environmental quality. examples of erosion or weathering? Add a different idea for each number. | **How** are you going to collect the data? i.e through images, surveys, research, analysis of websites etc. | What **challenges** might you face in collecting that data? | What **solutions** could you use to overcome the challenges? |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |

Method

Choose **one** of the data collection ideas you wrote down and write step by step instructions on how to collect the data. Remember that the method is like a recipe for others to follow so you need to be detailed in what and how you want them to collect the data.

Check the success criteria to help you.

Chosen data collection method: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1.

What equipment will you need? Write it as a list here:

2.

3.

4.

5.

6.

Add more numbers if needed.