

# Summer Term Geography Y7

## Week 5 and 6

You need to complete the tasks set on the grid in the next half term.

Do not send the whole Powerpoint back just the slide with the relevant questions/tasks or copy tasks to a word document.

Click on the task you want to do and it will then give you the instructions.



Creativity



Time



Work



Thinking

H = High

M = Medium

L = Low

Information  
box

Task Box

Complete this weeks Documentary by answering the questions attached with this Powerpoint.

**Finished Task**  
**return to**  
**tasks**

Choose your tasks...

You need to complete two of the following to undertake in the next two weeks, decide which ones and click on the box below to go to the task.

Some of these activities can be done with family

### Build or Review a Weather Station

**This will be a homework that will last 6 weeks or longer** as it will take a little time to build the station. You can still build and record it but if you have built one its time to review your work.



Computer and internet not required but can be used to help with instructions



M/L



H



L



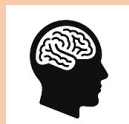
M

### Design a Sustainability City

Use your creative genius and understanding of urban sustainability to plan out a new town that will improve the live of people in terms of Wealth, Health and environment.



Computer and internet not required but can be used to help with instructions or design



H



M



M



H

### Sustainable food

Will it be better to buy food from local farms and producers or get out foods from all over the World.



Computer and internet not required but can be used to help with watch the video or do more research



M



M



M



L

# Review your own weather station

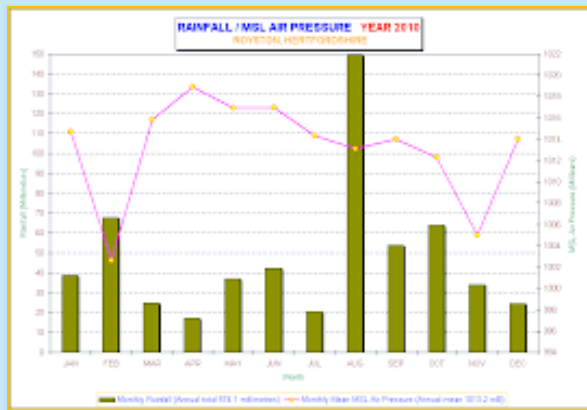
Learning intent: how weather is observed and recorded.

Know how the weather changes.

Know why the weather changes.

Success criteria: Link certain weather patterns with observations

If you have not made the weather station you still can by looking back at the previous Home learning work, If you do this you can count it as one task



Complete the graph opposite by drawing a bar for each days rainfall figure.

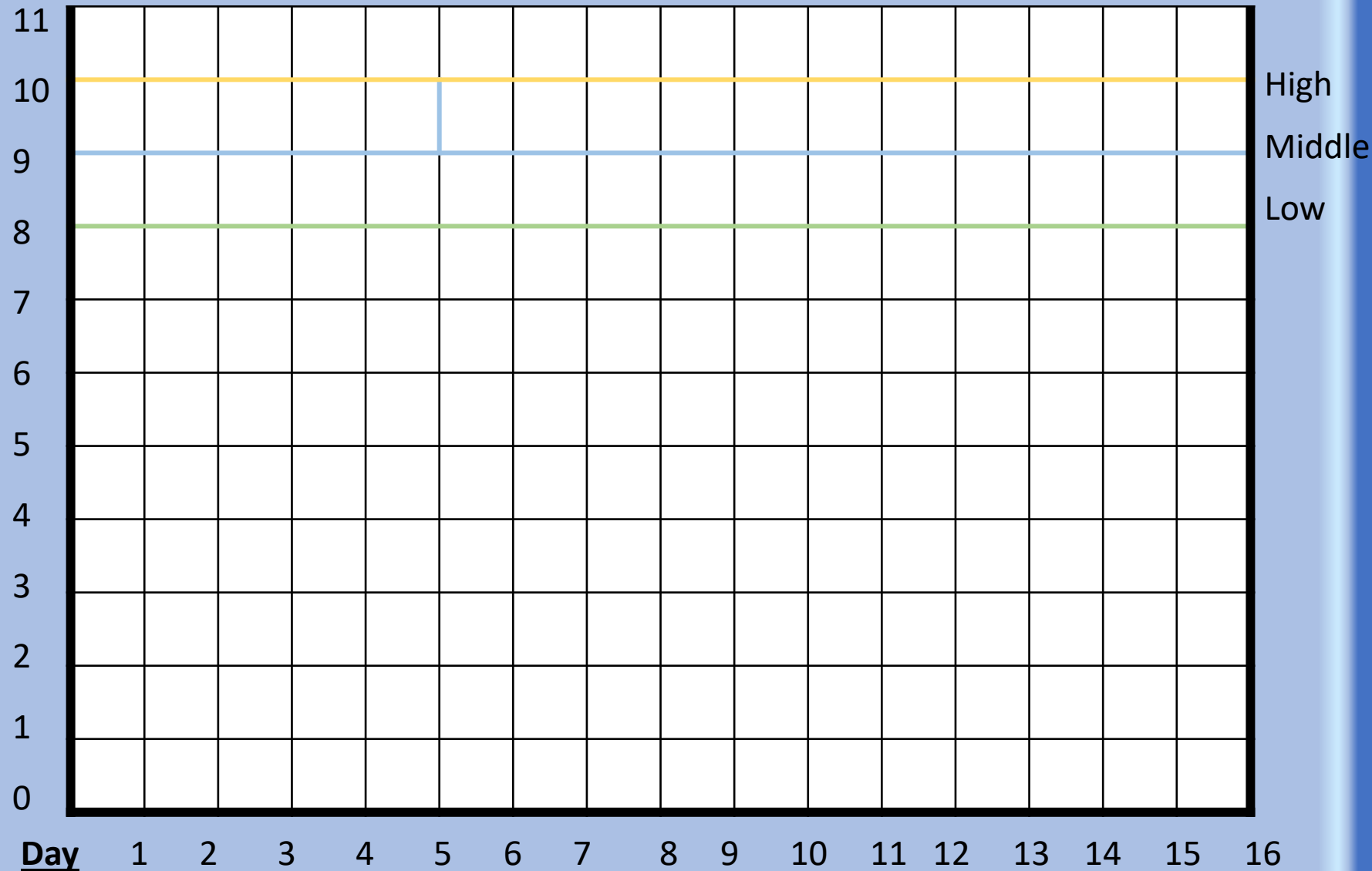
Then put a cross or dot for each days pressure in the centre of each day on either high, middle or low. When you have completed each day join the dots up to complete your line graph.

It should look similar to the one above.

**Rainfall  
mm**

## Rain And Pressure

**Pressure**

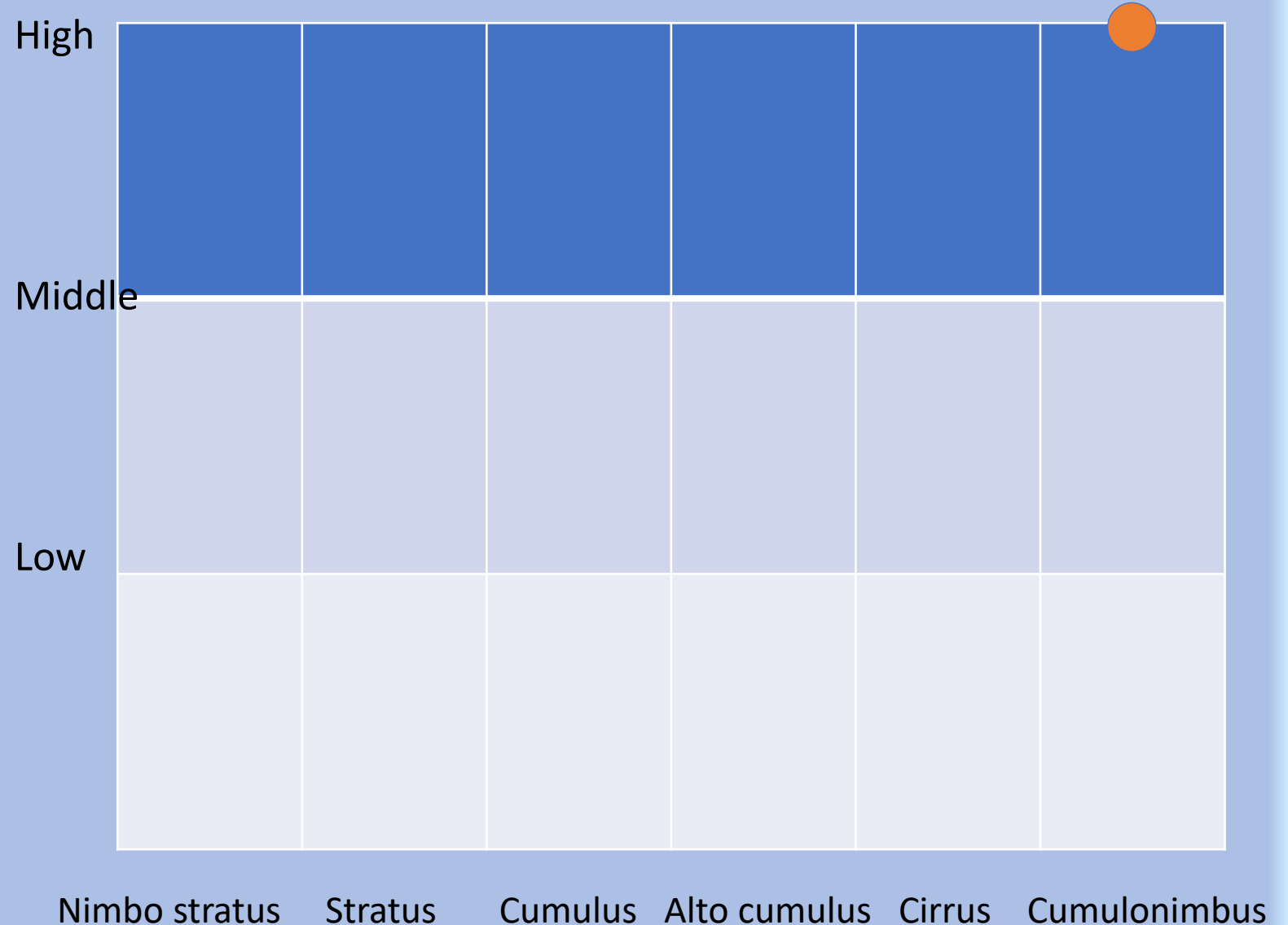


# Clouds and Pressure

For each day put a dot for the type of cloud and the pressure.

We've already put a test one on for you, On our day we saw a cirrus cloud and the pressure was high.

Put the dots on and then see if you can draw a best fit line to show the average pattern made by each dot.



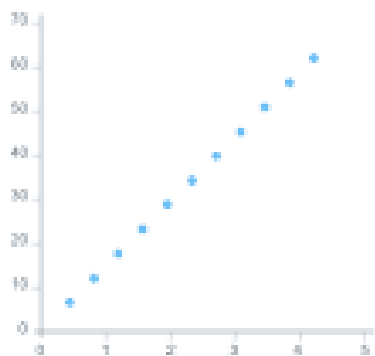
# Weather station results and conclusion

## Graph 3

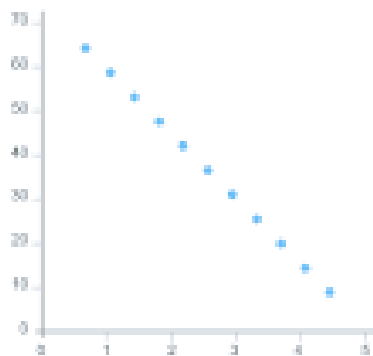
Draw another graph to show another set of weather data. Make sure you label each axis and give it a title.

## Pressure and Rainfall.

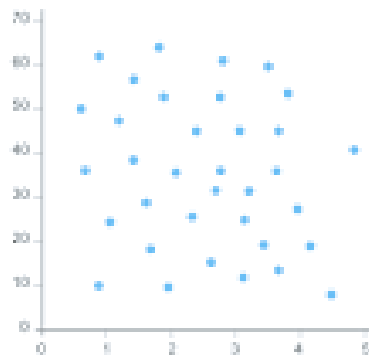
1. What did the graph tell us about the two sets of data (describe the pattern)
2. What have you learnt about Pressure and rainfall, are they connected?



Perfect Positive Correlation



Perfect Negative Correlation



No Correlation

## Clouds and Pressure

1. What did the graph tell us about the two sets of data (describe the pattern)
2. What have you learnt about Pressure and Clouds, are they connected? Is it positive or negative correlation. Positive means the higher the pressure the higher the cloud, negative would be lower pressure higher clouds.

## For your graph

Do the same for your graph

## Conclusion

Write a short paragraph about what you enjoyed about the task, what you have learnt and what you could do to improve it.

# Design the city of the future

**Learning Intent: To be able to create sustainable city and be able to explain its sustainability.**

**To be able to evaluate ideas**

**Success criteria: A completed city design with consequence lines to show sustainability.**





Lots of the World's cities are crowded, polluted places that often have lots of problems that make people stressed and unhappy.

Your task is to design a town that makes people's lives better. People should now be healthier, spend less money and live in a place cleaner and greener.

[https://www.youtube.com/watch?v=f\\_3CODsDzbY&feature=emb\\_logo](https://www.youtube.com/watch?v=f_3CODsDzbY&feature=emb_logo)

# What to do .....

Sustainability is when something works to increase the Social, economic and environmental well being.

It makes people:

- Healthier
- Wealthier
- And the environment Greener

Use internet to find some good ideas

You need to come up with a plan, map, a Minecraft (or any other computer program) world, a written report or even a model of a new town.

You must address the following:

1. Transport
2. Energy
3. Water
4. Increasing the number of plants and animals (biodiversity)
5. Reducing flood risk
6. Increasing peoples health
7. Increasing peoples wealth
8. Reducing Waste and pollution

Check the marking scheme on next slide

# Mark scheme

## Ideas

Score out of 50

- Try and come up at least one idea for each of the 9 needs of the city (Minimum 5 needs)
- Describe, draw or make the idea and show how it would work in a sustainable way.

**Finished Task**

**return to  
tasks**

## Consequences

Score out of 50

**You will need to explain how it would be a benefit to people.**

You could just give one consequence  
Bikes would stop pollution

**But this would give a low score**

Bikes would stop pollution giving cleaner air which would lead to people being healthier

**This would be very good but**

Bikes would stop pollution giving cleaner air which would lead to people being healthier. This means people would have more time to work which would mean they are richer

# How to make food more sustainable

**Learning Intent:** To find out the advantages and disadvantages of the food super highway and to know the term Food Miles

**Success criteria:** A brief report on how sustainable our food is giving 2 examples

# What to do .....

- We are very lucky in the UK as we can get plenty of food all year round and lots of various tasty choices.
- But does it come as a cost to the global climate and local environments?

- Watch the documentary on the next slide
- Complete a short report giving the background to the food super highway.
- Make a decision! To grow food locally or to import it from countries miles away.

## Food Superhighway

Watch the video and may be again and take some **notes** to be able to answer the task with a number of **points** with **facts** that you can **explain** to support your **opinion**

- You will need the one cloud link to watch video.
- [https://stocksbridgehigh365-my.sharepoint.com/:v:/g/personal/rhenderson2\\_stocksbridgehigh\\_sheffield\\_sch\\_uk/EbGN9xFaZrtCnv1\\_QEtQ5bIBYVh8akejq5cRr21hMU3sDw?e=6V7N5o](https://stocksbridgehigh365-my.sharepoint.com/:v:/g/personal/rhenderson2_stocksbridgehigh_sheffield_sch_uk/EbGN9xFaZrtCnv1_QEtQ5bIBYVh8akejq5cRr21hMU3sDw?e=6V7N5o)

# The Food Superhighway

After watching the film and making a few notes try to make a brief report that answers the 5 keep points in the blue box.

Try to justify your point of view with facts from the film

**Finished Task**  
**return to**  
**tasks**

1. Write a introductory paragraph briefly outlining:
  - What is the food Superhighway?
  - What are food miles
2. What are the benefits to us of the Food Superhighway
  - How does it give us all our food all year round?
  - Why does it make it cheap?
3. How do get our food from LICs
  - Describe how Beans are grown and transported from Kenya
  - What is the main advanatge and give what you think is the biggest disadvantage-explain why.
4. How do get our food from HICs
  - Describe how peppersare grown and transported from the Netherlands
  - What is the main advanatge and give what you think is the biggest disadvantage-explain why.
5. Which is better Kenya or Netherlands, Global or local?