

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

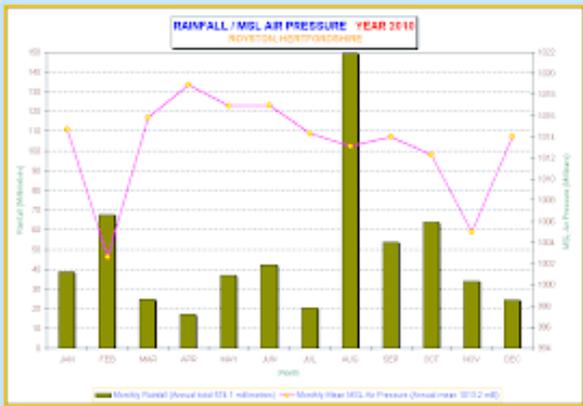
Learning intent: how weather is observed and recorded.

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



Rain And Pressure

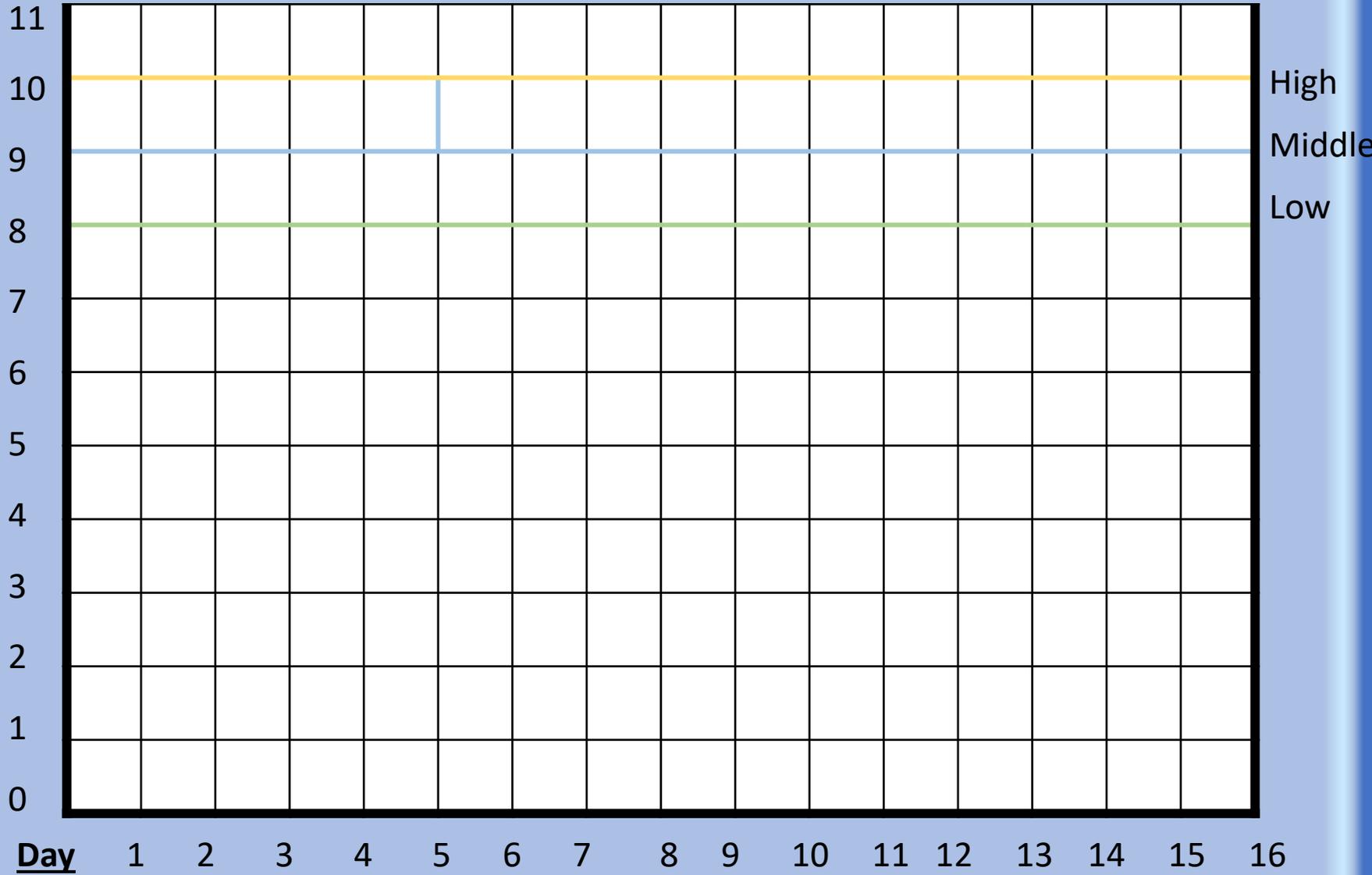
Pressure

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**

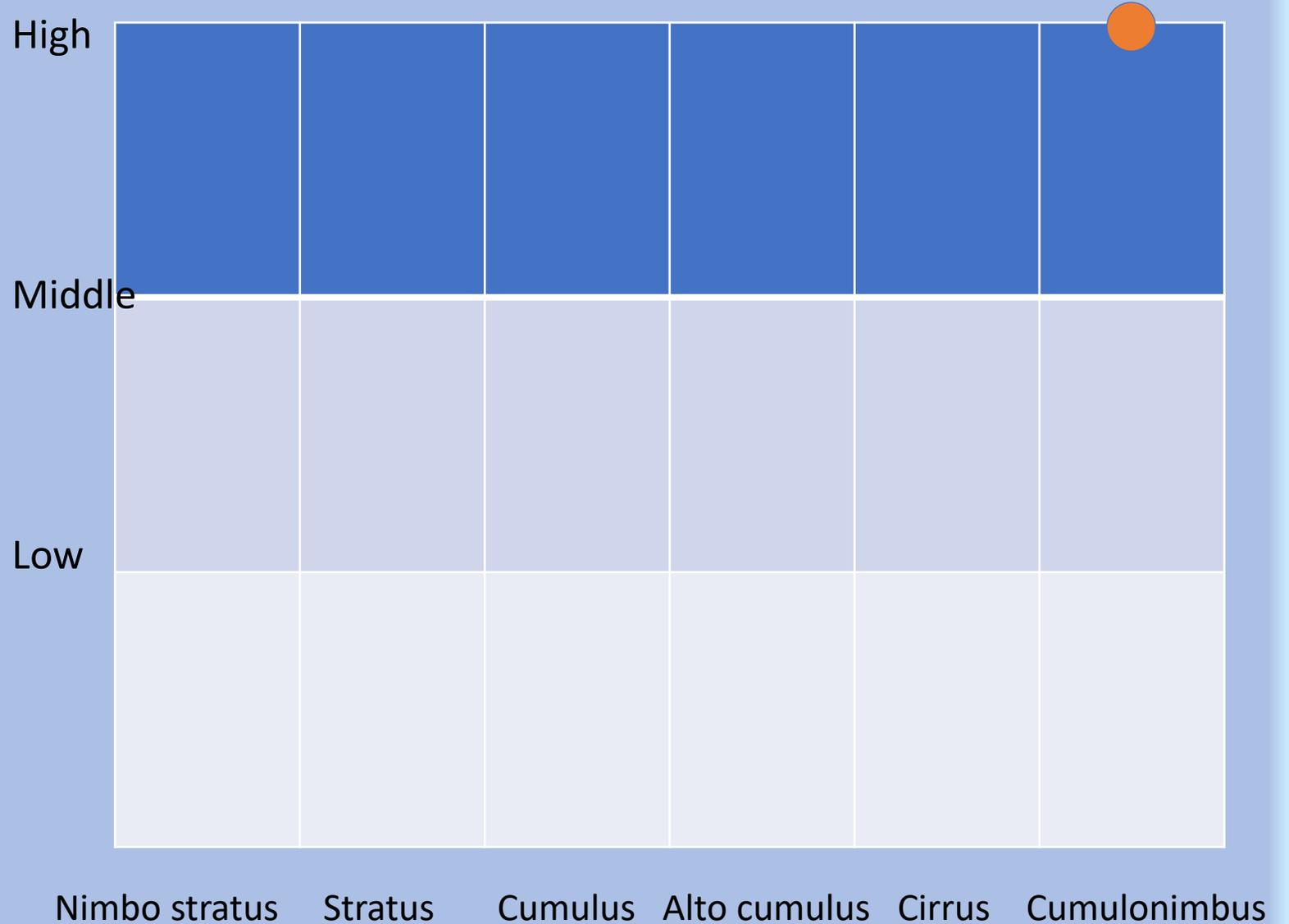


Clouds and Pressure

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.



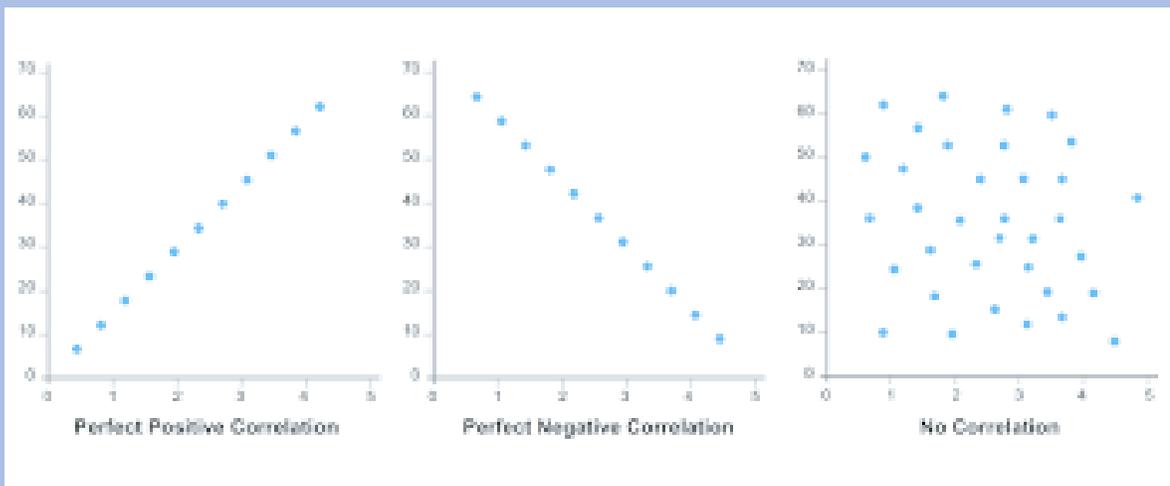
Weather station results and conclusion

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?



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

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 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

The Food Superhighway

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

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

Finished Task
return to
tasks

1. Write an 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 we get our food from LICs
 - Describe how Beans are grown and transported from Kenya
 - What is the main advantage and give what you think is the biggest disadvantage-explain why.
4. How do we get our food from HICs
 - Describe how peppers are grown and transported from the Netherlands
 - What is the main advantage and give what you think is the biggest disadvantage-explain why.
5. Which is better Kenya or Netherlands, Global or local?