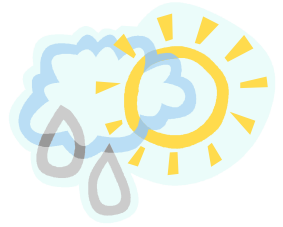


Grade 7: Assessment Task



Guiding Question: *How does the climate influence the way we live?*

Marking criteria:

A: Investigate: Finding resources	6
C: Planning	6
D: Create a product: (only for report purposes)	6
F: Personal engagement - attitude during lessons	6

Design Specification

- To produce at least 9 graphs all labeled, titled and appropriate.
- To use MS Excel.
- To write climate comparisons about two countries.

For this assessment task you will carry out some research using the Internet and other sources to find information about climate in different parts of the world. You will use this information to create charts in Ms Excel and word process your findings.

1 lesson and 1 homework

Choose two countries that have **different** climates.

- Describe the **problem** (*The climate can affect the way we live because...*)
- Write a **Design Brief** (*answer these questions*):
 - What will you do in this assessment to find out about the climate of your two countries?
 - What will you create to help you answer the guiding question?
 - Which software will you use and why?
- **Homework** - Design a front cover for the assessment task.

Include the title 'Climate assessment – Computer Technology', your name, your form and the guiding question.

Investigation (criteria A) - 2 lessons and 1 homework.

You are to make notes on the following (you will use these later in your report):

Use the websites www.geographyiq.com & <http://www.atlapedia.com> to find **statistics** about the climate in your chosen countries.

- Choose **one city** for each of your chosen countries and then collect some information that shows differences in climate
 - e.g. rainfall, temperature, and snowfall etc
 - make sure your statistics are in **Celsius**.
- Find out whether the environments are tropical, subtropical, oceanic, arid, arctic....
- Find out about the physical geography of your two countries – mountains, plains, deserts, rivers/lakes.
- Include a bibliography – You must use at least 2 different sources. Make sure you correctly cite your sources (all the books, Internet sites you have used, in the correct format - use *Son of Citation* to help you).

Planning (criteria C) - 1 homework

You will have 3 lessons and 3 homework to create the product (*charts using Ms Excel and a word processed report*) but you need to plan your time effectively first.

Create a Gantt chart (using Ms Excel, or by hand) to show the stages you need to take and the resources you will need (to make the charts, report and print these and be ready to hand in). Read the instructions for the **Create** section to give you an idea of what must be done in the time.

	A	B	C	D	E	F	G	H	I	J	K	L	M		
1															
2	Tasks														
3		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10				
4	Investigate														
5	Describe problem, discuss relevance														
6	Research problem, bibliography, evaluate sources		HW		HW										
7	Design brief, specification, test methods				HW										
8	Design														
9	Draw 3 designs					HW									
10	Evaluate designs						HW								
11	Choose and evaluate							HW							
12	Create														
13	Front cover, process journal								HW		HW				
14	Puzzle page										HW				
15	Testing														
16	Test effectiveness of magazine														

Do you remember this one from the Locker Project? It was created using Ms Excel.

Create a product (criteria D) - 3 lessons and 3 homework.

- Put the results of your **statistic** research into **MS Excel** and make graphs showing the difference of climate between the two cities you will have selected. *For example a graph showing the rainfall in days for Milan (Italy) and for Sydney (Australia).*

*Aim to produce about **10 graphs** in total for the top grades.*



- Copy and paste the graphs into MS Word. After you have produced each graph **write a comparison** of the graphs **for the two countries**. *For example, compare the rainfall graph for Milan and Sydney.*



- Write about the climate of these countries. Is the climate continental, tropical, subtropical, oceanic, arid, and arctic? Explain what it means.



- Compare the physical geography of your two countries.



- Write a paragraph explaining how the climate of your two countries might influence the people living there. *(This is your own opinion based on your research of the climate type.)*



**DO NOT JUST COPY
AND PASTE FROM
THE INTERNET!
Use your own words.**