



PiXL Revisit

A Strategy for Revision

© Commissioned by The PiXL Club Ltd. October 2019



PiXL Revisit: Weather Hazards



PiXL Re-visit



Split the Thinkit into manageable chunks.

Choose a chunk at a time to memorise.

Start with the most important or the most difficult.

Re-read your notes on the chosen topic.

Do some wider research on the internet until you understand it.

Use: Thinkit/Graspit/Knowit Independence Apps etc. Write a detailed description or an explanation about everything you know

about this topic.

Try to do this without your notes.
Topic on a page
Write key facts you need to memorise over and over until you have memorized them.

Give a verbal explanation about the topic as if you were teaching it.

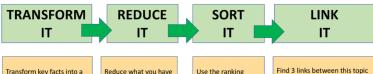
Repeat facts you need to remember 20 times.

Record key facts about this topic on your phone.

Say what you've learnt from memory, using the Thinkit images to prompt you.



PiXL Re-visit



series of images.

Transform what you have learnt into a diagram.

into a poem or a story.

Learnt about this topic into 5 bullet points or prompts.

Reduce the 3 most important facts in this topic into 9 words.

Use the ranking template to rank the most important facts from this topic.

What is the most difficult point to remember? Why?

Categorise key facts from this topic into 3 groups. You choose the group headings. Find 3 links between this topic and other topics you have studied. Link the points together. Link the ideas. Find some random links.

Link the factors.



PiXL Re-visit



Go back to your Reduce it bullet points. Restore them to their original state.

Go back to your images and restore them back into written form.

Create a 5 step process explaining the most difficult learning points here.

Recall the process or order of events you have studied. images to test your knowledge.

Write yourself 3-5 exam questions on this topic or skill.

Improve it
Rank it
Reorder it
Change it
Condense it
Add to it
What you missed out from
your topic on a page?



PiXL Revisit: Explain it!

Weather hazards: **the global atmospheric circulation model**. Add annotations to the diagram below to explain in detail the global atmospheric circulation model.



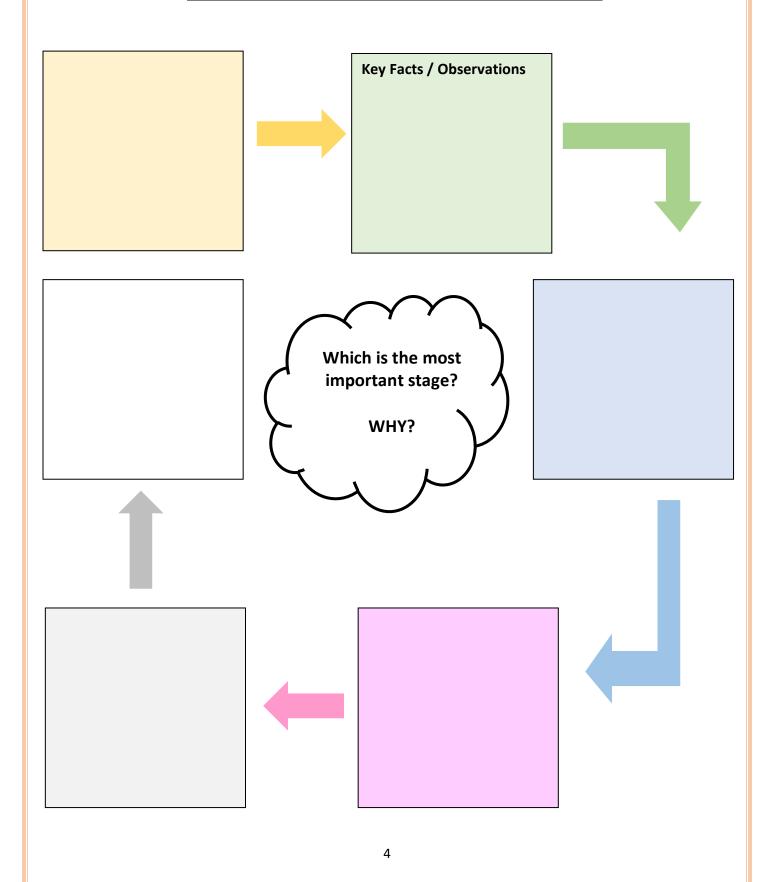
Transform your annotated diagram into a written explanation of how the global atmospheric circulation				
helps to determine patterns of weather and climate.				



PiXL Revisit: Process and Categorise -

Steps and stages explained

Weather hazards: Fill in the diagram below to explain the <u>causes of tropical</u> storms and the sequence of their formation and development.





PiXL Revisit: Transform

Weather hazards: Read the text about the <u>structure and features of a tropical</u> <u>storm.</u> Transform the text into an annotated diagram.

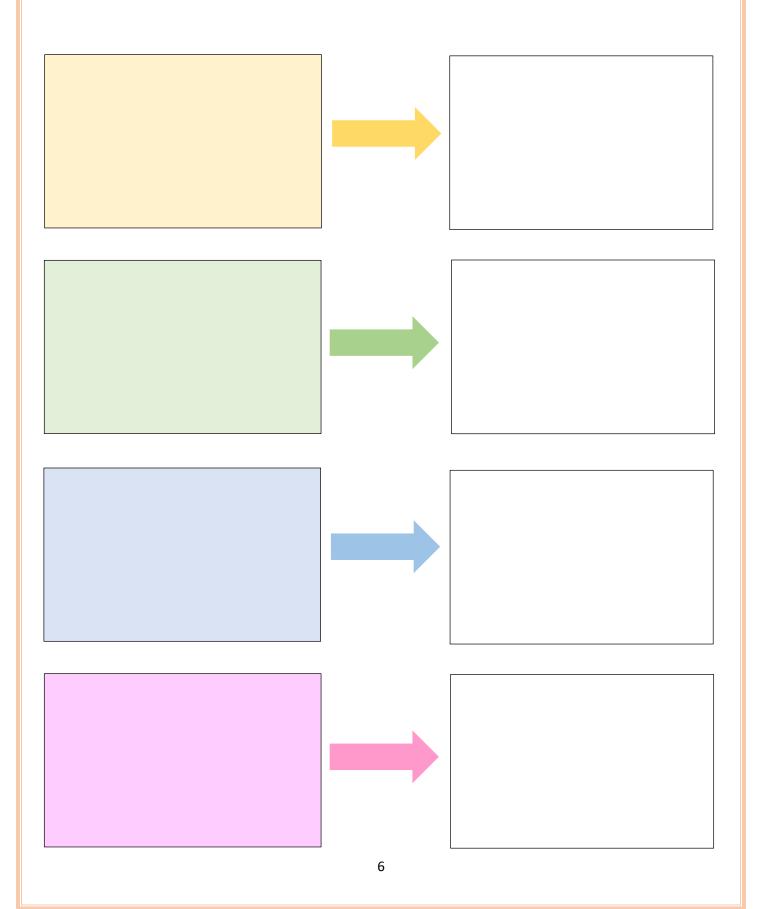
Tropical storms are large bodies of air that can be up to 500km in diameter and approximately 15km high. They are circular in shape. There is a vortex of cloud. The cloud spins anti-clockwise inwards towards the centre. There is a central eye. Within the eye, cold air sinks and warms and therefore no clouds form, resulting in calm conditions. The eye wall has banks of clouds with thunderstorms, strong wind (120km per hour) and heavy rains.

Sun	summarise into 5 key points.	-
1		
1.	··	
2.	.	
3.		
Э.	•	
4.	i.	
5.		
٠.	5	
	3	



PiXL Revisit: Reduce and Transform

Weather hazards UK: identify the key points about a range of <u>weather</u> <u>hazards that affect the UK,</u> then transform them into a set of images.





PiXL Revisit: Prioritise - Significance and Importance

Weather hazards: for your <u>case study of a tropical storm</u>, identify key knowledge and understanding (location, causes, effects and responses). Then prioritise.

Notes:	Key Facts, Dates, Words, Places	Number of Priority:
1.		WHY?
2.		WHY?
3.		WHY?
4.		WHY?
5.		WHY?



PiXL Revisit: Chunk It

weather hazards



Chunk the learning from this topic. You could start with the most important or the most difficult to learn.

1	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	



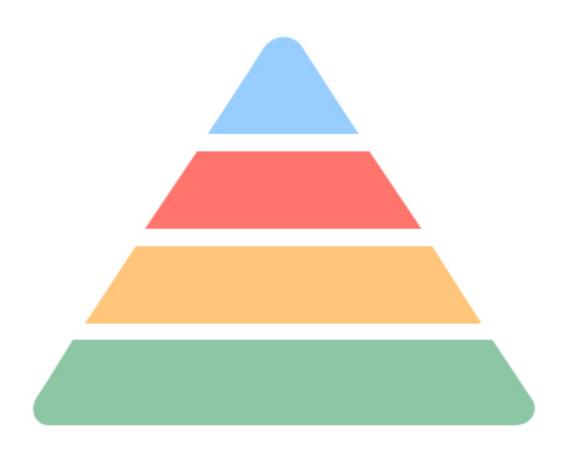
PiXL Revisit: Ranking Triangle

Weather hazard event:
Name of the place:
Date of event:
Responses to weather hazards. Identify the immediate and long-term response to a hazard you have studied. The most effective response goes at the top and then the least important at the bottom. Make sure you justify WHY you think it is the most/least important.
Justification:



PiXL Revisit: Ranking Triangle

Weather hazard UK: Identify the <u>evidence of extreme weather hazards in the UK.</u> The most significant evidence goes at the top and then the least important at the bottom. Make sure you justify WHY you think it is the most/least significant.



Justification:					



PiXL Revisit: Thinking Hard Model

Weather hazards. <u>Management can reduce the effects of tropical storms</u>. How <u>monitoring</u>, <u>prediction</u>, <u>protection</u> and <u>planning can reduce the risks from tropical storms</u>.

Take a section of text or your notes and do the following:

1)	Prioritise: Write the three most important concepts/facts here. Rank 1-3, briefly explain number 1.
2)	Reduce: Reduce the key information into 12 words
3)	Transform: Transform this information into four pictures or images (no words allowed)
4)	Categorise: Sort this information into three categories. Highlight and think of a suitable title for each category.
5)	Extend: Write down three questions you'd like to ask an expert in this subject.



PiXL Revisit: Quizzing - Weather Hazards

Read your notes for this topic and come up with 10 questions to ask someone about the topic. (Think about how you will use command words, e.g. describe, explain, assess, evaluate, justify, to what extent)

	Question	Answer
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		



PiXL Revisit: Sorting

How <u>climate change</u> might affect the distribution, frequency and intensity of tropical storms.

distribution frequency intensity Specific Specific Specific detail detail detail

Taken from the article: 'What Will Improve a Student's Memory?' by Daniel T Willingham (http://www.aft.org/sites/default/files/periodicals/willingham 0.pdf)



PiXL Revisit: Sorting

Weather hazards: Tropical storms have significant effects on people and the environment. Identify **the <u>primary and secondary effects</u> of tropical storms.**

Name and date of tropical storm:

Primary effects

Secondary effects

Sort it. **Key**: **S** = social impact (people)

En = Environmental (natural surroundings)



PiXL Revisit: Sorting

Weather hazards UK: Extreme weather events in the UK have impacts on human activity. Identify **the causes, impacts and the management strategies that can reduce risk.**

			Name and date of extreme weather event in the UK:
	Cause	S	
I m p a c t s		Social	
		Econom	ic
		Environi	mental
	Respo	nses	



PiXL Revisit: Transform

Extreme weather in the UK: transform this map into the key points about the pattern of <u>heat waves in the UK.</u>

Summer 2018 Mean Temperature 1981-2010 Anomaly -0.5 2 -1.0 -1.5 4 © Crown copyright

Image source: the environment agency UK.

Describing maps **PADL**

P = pattern and trends

A = anomalies

D = data (here can be place)

L = link to the question

Key Points

1.

2.

3.

4.

5.

Most important + WHY:

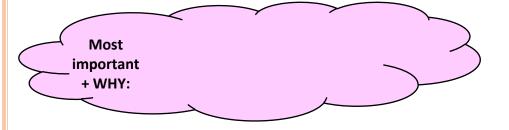


PiXL Revisit: Zone and Sort

Extreme weather in the UK: Zone this photograph to identify **the social**, **economic and environmental impacts of flooding in the UK**.



<u>Image source: the environment agency UK. Flooding in the Somerset levels</u>
December 2013 – January 2014



Key Points

Social

Economic

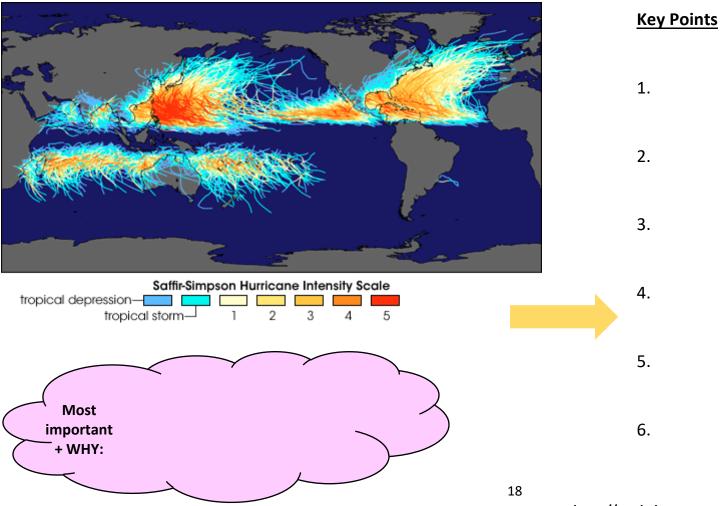
Environmental



PiXL Revisit: Transform

Weather hazards: transform this map into the key points about the global distribution of tropical storms.

Image source: earthobservatory.nasa.gov.



Describing maps PADL

P = pattern and trends

A = anomalies

D = data (here can be place)

L = link to the question

https://earthobservatory.nasa.gov/images/7079/historic-tropical-cyclone-tracks



PiXL Revisit: Examine It

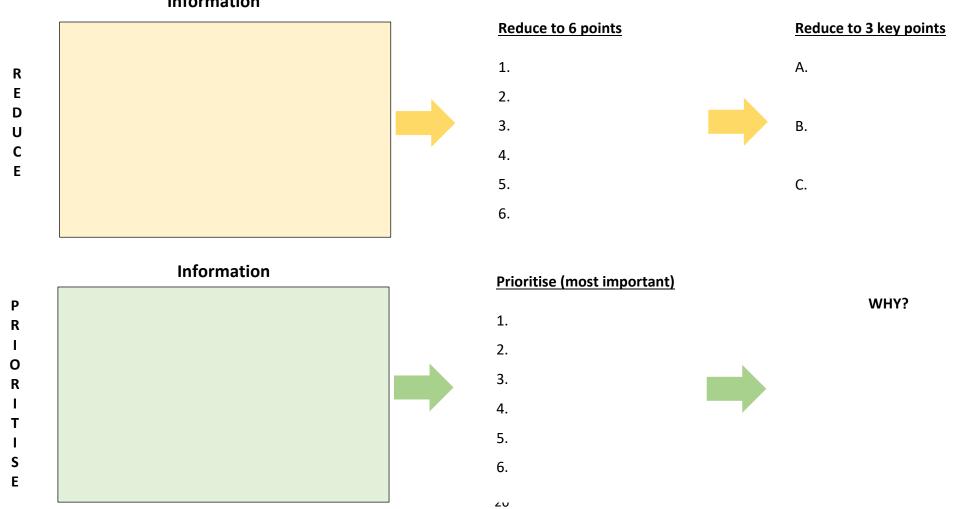
NOTES				Exam Question.
Topic:				
1.				
2.				
3.				
4.				
5.				
6.				
Key Words	Key Dates	Key Facts	Key places	



PiXL Revisit: Reduce to 6 points

Weather hazards:

Information





© Commissioned by The PiXL Club Ltd. April October 2019

This resource is strictly for the use by The PiXL Club Ltd member schools during the life of the membership only. It may NOT be copied, sold, or transferred or made available by whatever means to a third party non-member during or after membership. Until such time it may be freely used within the PiXL member school by their teachers and authorized staff and any other use or sale thereof is strictly prohibited.

All opinions and contributions are those of the authors. The contents of this resource are not connected with, or endorsed by, any other company, organisation or institution.

PiXL Club Ltd endeavour to trace and contact copyright owners. If there are any inadvertent omissions or errors in the acknowledgements or usage, this is unintended and PiXL will remedy these on written notification.