

Applied Science online revision/summary task

Using the links below you must create a summary using the different formats outlined below. If you find there is a method from these that works best then use that. But do try to use as many as possible

Biology	
The Nervous System, Part 1:	https://www.youtube.com/watch?v=qPix_X-9t7E
Crash Course A&P #8	https://www.youtube.com/waton:v=qrix_X-str_L
The Nervous System, Part 2 - Action! Potential!: Crash Course A&P #9	https://www.youtube.com/watch?v=OZG8M_IdA1M
The Nervous System, Part 3 - Synapses!: Crash Course A&P #1	https://www.youtube.com/watch?v=VitFvNvRIIY
Muscles, Part 1 - Muscle Cells: Crash Course A&P #21	https://www.youtube.com/watch?v=Ktv-CaOt6UQ&t=5s
Muscles, Part 2 - Organismal Level: Crash Course A&P #22	https://www.youtube.com/watch?v=I80Xx7pA9hQ
Bacterial characteristics - Gram staining Cells MCAT Khan Academy	https://www.youtube.com/watch?v=FgsgpoFhleA
Microscopy: Magnification, Resolution & Types of Microscopes A-level Biology OCR, AQA, Edexcel	https://www.youtube.com/watch?v=3LIZBn7bS4s
Tissues, Part 2 - Epithelial Tissue: Crash Course A&P #3	https://www.youtube.com/watch?v=IUe_RI_m-Vg
What Parkinson's Taught Me Emma Lawton TEDxSquareMile	https://www.youtube.com/watch?v=Hs-vPqfsO0Q
What happens during a stroke? - Vaibhav Goswami	https://www.youtube.com/watch?v=- NJm4TJ2it0&list=PLJicmE8fK0EhVa0WT8BnaTjdsuQrk2Jro&i ndex=3
How does asthma work? - Christopher E. Gaw	https://www.youtube.com/watch?v=PzfLDi-sL3w&list=PLJicmE8fK0EhVa0WT8BnaTjdsuQrk2Jro&index=19
How your muscular system works - Emma Bryce	https://www.youtube.com/watch?v=VVL- 8zr2hk4&list=PLJicmE8fK0EhVa0WT8BnaTjdsuQrk2Jro&inde x=10&t=0s
How does caffeine keep us awake? - Hanan Qasim	https://www.youtube.com/watch?v=foLf5Bi9qXs&list=PLJicmE 8fK0EhVa0WT8BnaTjdsuQrk2Jro&index=17&t=0s
How to 3D print human tissue - Taneka Jones	https://www.youtube.com/watch?v=uHbn7wLN_3k&list=PLJic mE8fK0EhVa0WT8BnaTjdsuQrk2Jro&index=132
Chemistry	
The Nucleus: Crash Course Chemistry #1	https://www.youtube.com/watch?v=FSyAehMdpyI&list=PL8dPuuaLjXtPHzzYuWy6fYEaX9mQQ8oGr&t=0s



The Periodic Table: Crash Course Chemistry #4	https://www.youtube.com/watch?v=0RRVV4Diomg&list=PL8d PuuaLjXtPHzzYuWy6fYEaX9mQQ8oGr&index=5
The Electron: Crash Course Chemistry #5	https://www.youtube.com/watch?v=rcKilE9CdaA&list=PL8dPuuaLjXtPHzzYuWy6fYEaX9mQQ8oGr&index=6
Stoichiometry - Chemistry for Massive Creatures: Crash Course Chemistry #6	https://www.youtube.com/watch?v=UL1jmJaUkaQ&list=PL8dPuuaLjXtPHzzYuWy6fYEaX9mQQ8oGr&index=7
Atomic Hook-Ups - Types of Chemical Bonds: Crash Course Chemistry #22	https://www.youtube.com/watch?v=QXT4OVM4vXI&list=PL8d PuuaLjXtPHzzYuWy6fYEaX9mQQ8oGr&t=0s
Orbitals: Crash Course Chemistry #25	https://www.youtube.com/watch?v=cPDptc0wUYI&list=PL8dPuuaLjXtPHzzYuWy6fYEaX9mQQ8oGr&index=26
Period 3 Properties A-level Chemistry OCR, AQA, Edexcel	https://www.youtube.com/watch?v=67AqMmXg0NA
Physics	
Traveling Waves: Crash Course Physics #17	https://www.youtube.com/watch?v=TfYCnOvNnFU&list=PL8d PuuaLjXtN0ge7yDk UA0ldZJdhwkoV&t=0s
The Physics of Music: Crash Course Physics #19	https://www.youtube.com/watch?v=XDsk6tZX55g&list=PL8dP uuaLjXtN0ge7yDk_UA0ldZJdhwkoV&index=19
Light waves, visible and invisible - Lucianne Walkowicz	https://www.youtube.com/watch?v=O0PawPSdk28&list=PLhDvDlD3b85zmvEROrSSUj3FVWScEAX&index=18
The hidden network that makes the internet possible - Sajan Saini	https://www.youtube.com/watch?v=er3v4PVNQqE
How tsunamis work - Alex Gendler	https://www.youtube.com/watch?v=Wx9vPv- T51I&list=PLhDvDID3b85zmvERO_rSSUj3FVWScEA_X&inde x=8
Physics - Waves - Analogue and Digital Signals	https://www.youtube.com/watch?v=XCu6L4kQF3k
How Bluetooth Works	https://www.youtube.com/watch?v=jzxZUJmOu3o
Diffraction Gratings A-level Physics OCR, AQA, Edexcel	https://www.youtube.com/watch?v=-3KluKob08Q
Is light a particle or a wave? - Colm Kelleher	https://www.youtube.com/watch?v=J1yIApZtLos



PiXL Revisit: Reduce and Transform

1.		
2.		
3.		
4.		
5.		



PiXL Revisit: Trends and Pattern

Unit/topic:		

Describing graphs – **PADDL**

P = pattern + trend

A = anomalies

D = data to support

D = data manipulation

L = link to the question

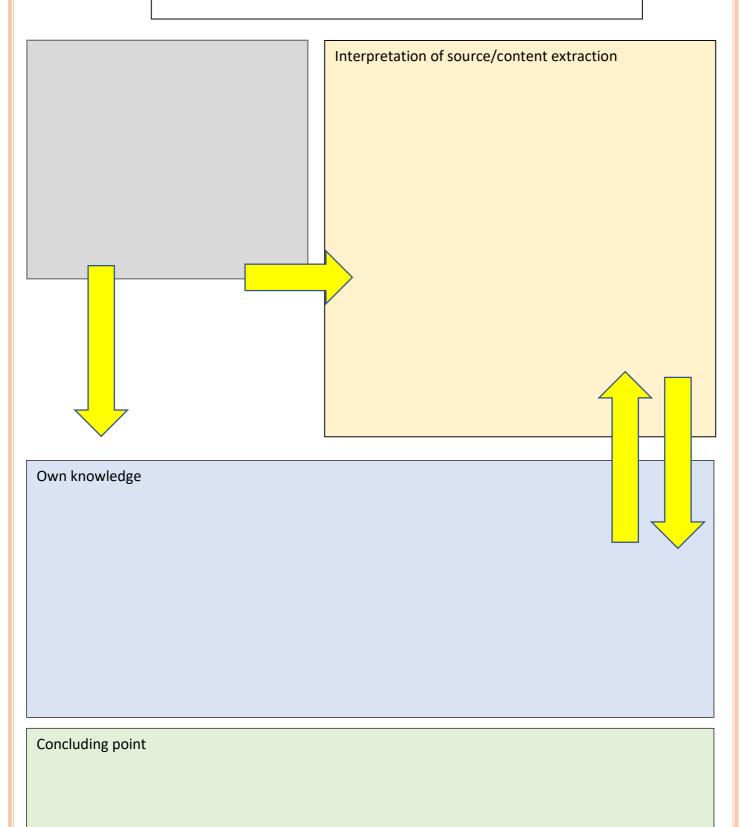
Analysis	
P.	
A.	
D.	
D.	
L.	

4

The most important point + why.

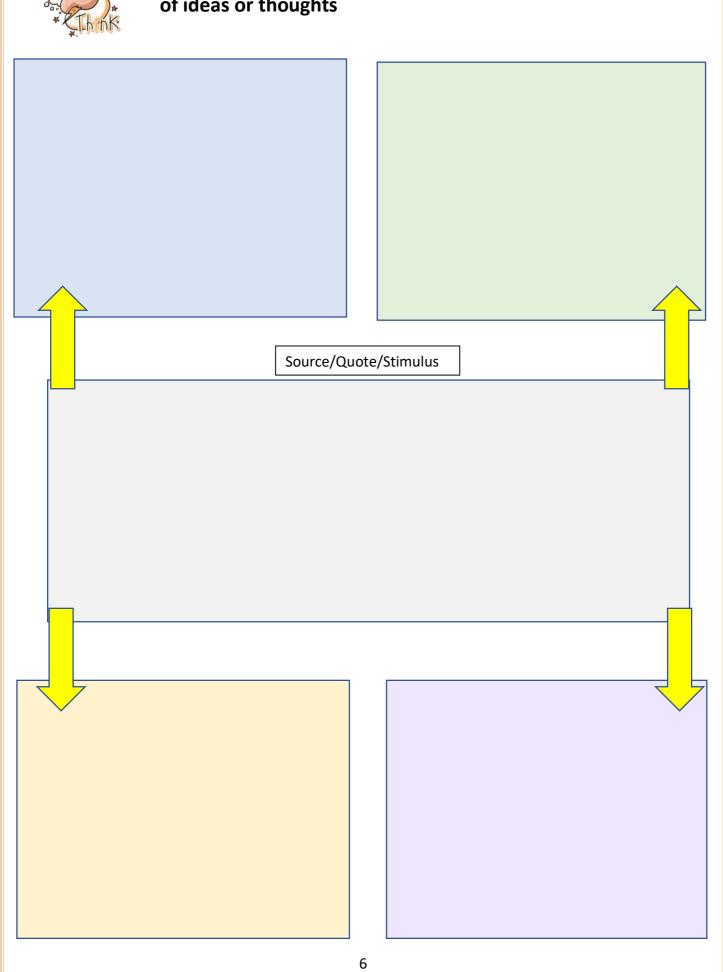


PiXL Revisit: Pattern and Trend





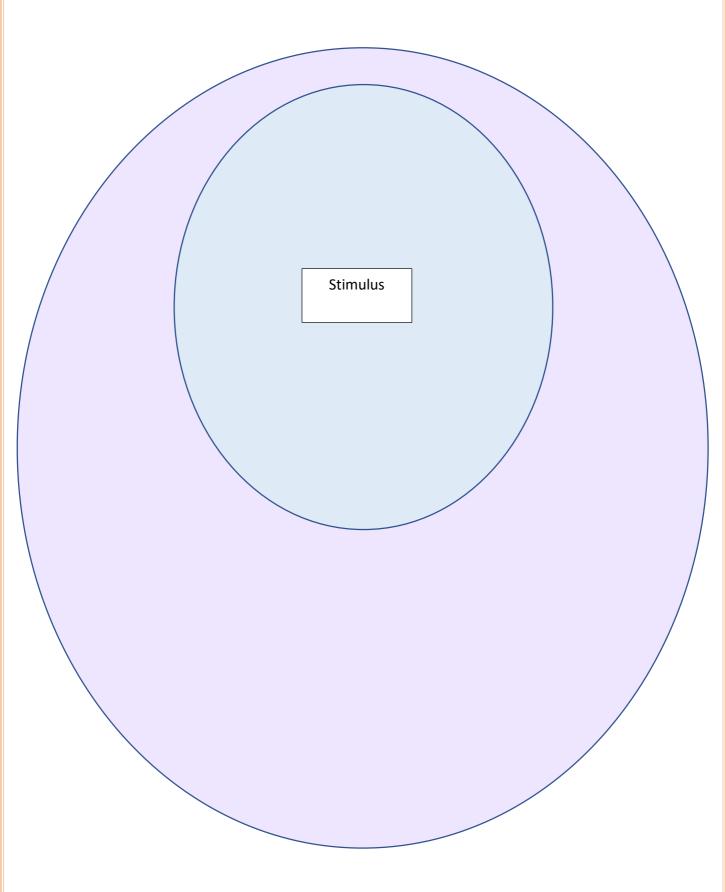
PiXL Revisit: "Thinking on your feet"/extrapolation of ideas or thoughts



TRANS	PiXL Revisit: Explain it, Extend it		
* Think	Unit/topic:		
	Stimulus/source/evidence	Explanation:	
Extend it –		· 	



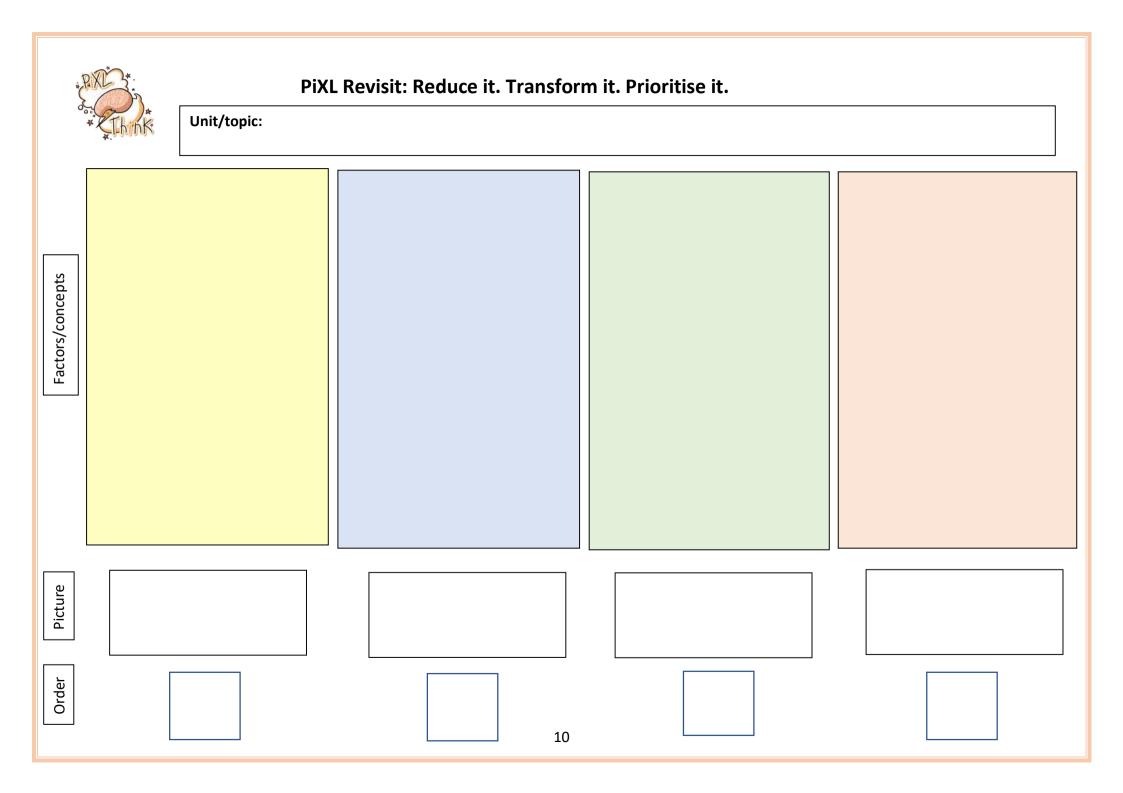
PiXL Revisit: Inference





PiXL Revisit: Prioritise - significance and importance

Notes:	Key facts, dates, words, vocab, quotes, place:	Number of priority:
1.		WHY?
2.		WHY?
3.		WHY?
4.		WHY?
5.		WHY?



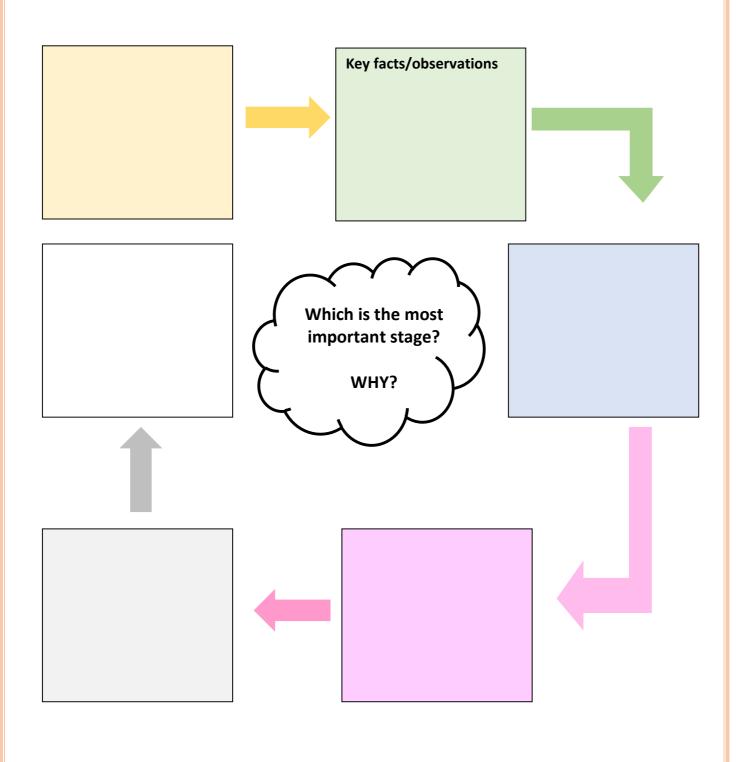


PiXL Revisit: Prioritise – Diamond 9

Unit/topic:		



PiXL Revisit: Process and Categorise Steps and stages explained





j), nk	PiXL Revisit: Categorise		
rk	Unit/topic:		
Causes			

Impacts

Responses



**************************************	PiXL Revisit: Scale/Progression/Elements		
ETHINK	Unit/topic:		



PiXL Revisit: Evaluation Ranking Triangle

Name of topic:
Name:
Class:
The most important information goes at the top and then the least important at the bottom. Make sure you justify WHY you think it the most/least important.



PiXL Revisit: Chronology and change/continuum/plot development. The impact of multifactors.

Unit/topic:

Factor:

Factor:

Factor:

Factor:



PiXL Revisit: Flexibility of thinking. Evaluate. To what extent...

Unit/topic:

O% 100%



PiXL Revisit: Flexibility of thinking. Evaluate. Shaping an argument

Unit/topic:

Argument Counter arguments



PiXL Revisit: Change over time

Unit/topic:

Used to be	now
Used to be	now.

Used to be...

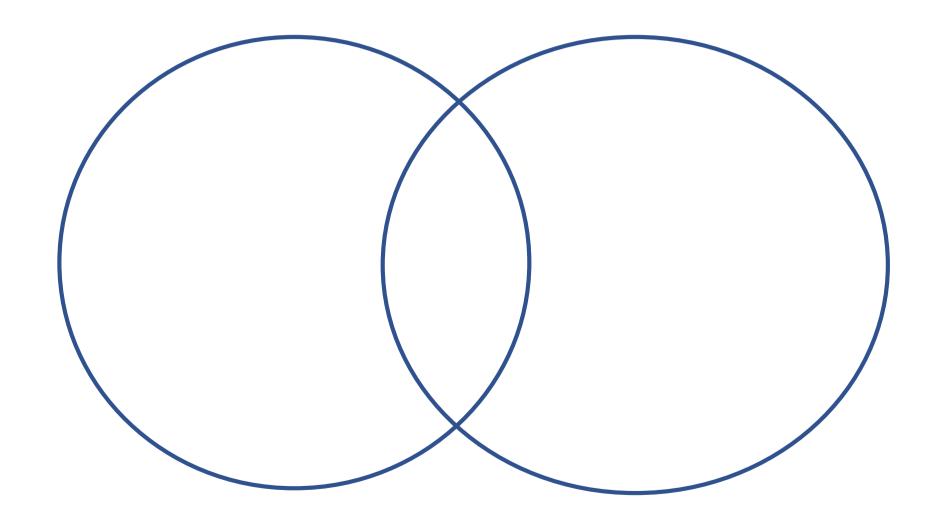
now...



	PiXL Revisit: Flexibility of thinking - theory/methods/statistics/technique.				
* Think	Unit/topic:				
		1			
	y/methods/statistics/technique /analysis/conclusion	Validation:			
		Limitations/alternatives:			
	20				



PiXL Revisit: Flexibility of thinking - connections/synoptic links/comparison





RXL	PiXL Revisit: F	lexibility of think	ing – perc	eption/opinion
*** Think	Unit/topic:			
Opinion		Reason		Example
		22		



PiXL Revisit: Chunk It

Unit/topic:			

Chunk the learning for this/topic/area.

* You could start with the most important or the most difficult to learn.

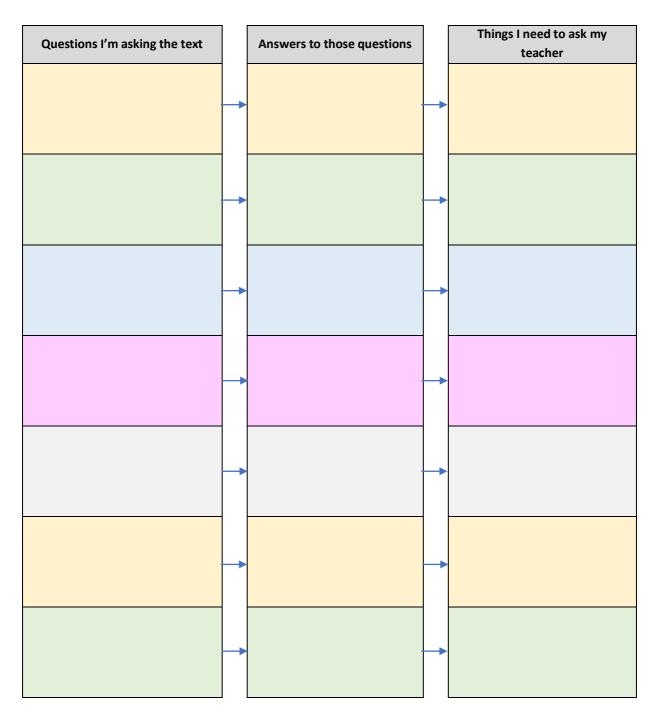
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

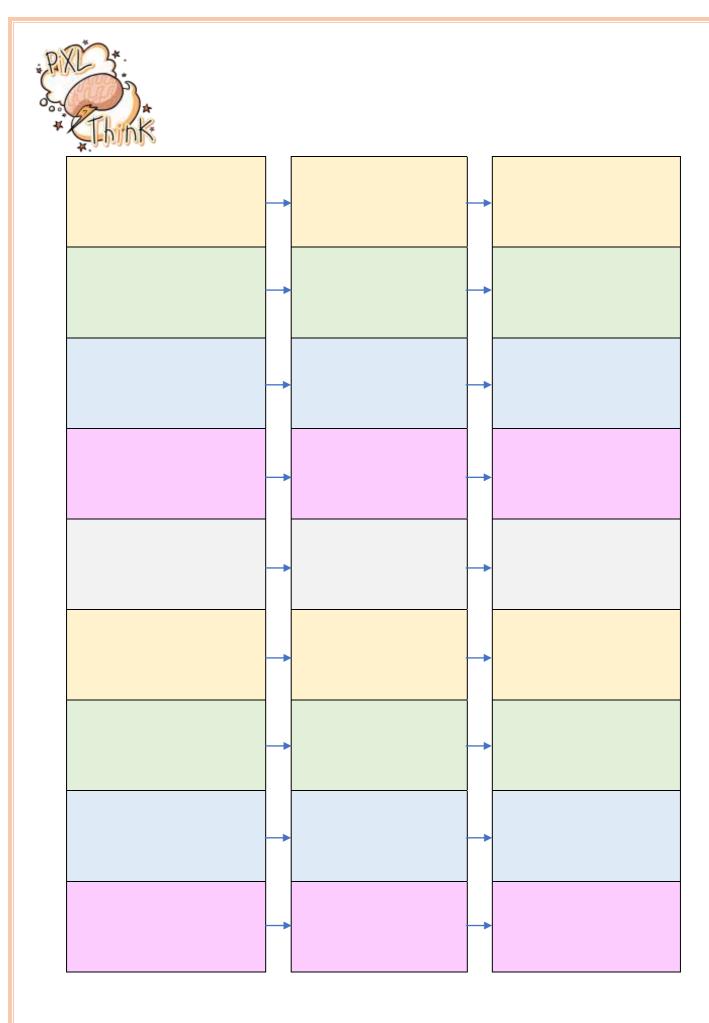


PiXL Revisit: Question Time

Name of topic:	 	
Name:	 	
Class:		

When you read a text, you should be asking it questions, NOT just letting it wash over you. Read your text and pause to ask it questions, e.g. 'what do you mean when you say "..."?'



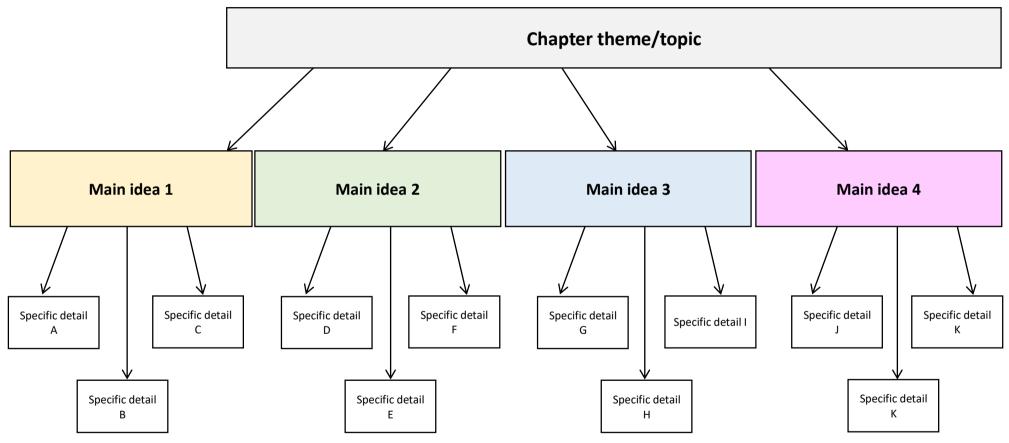




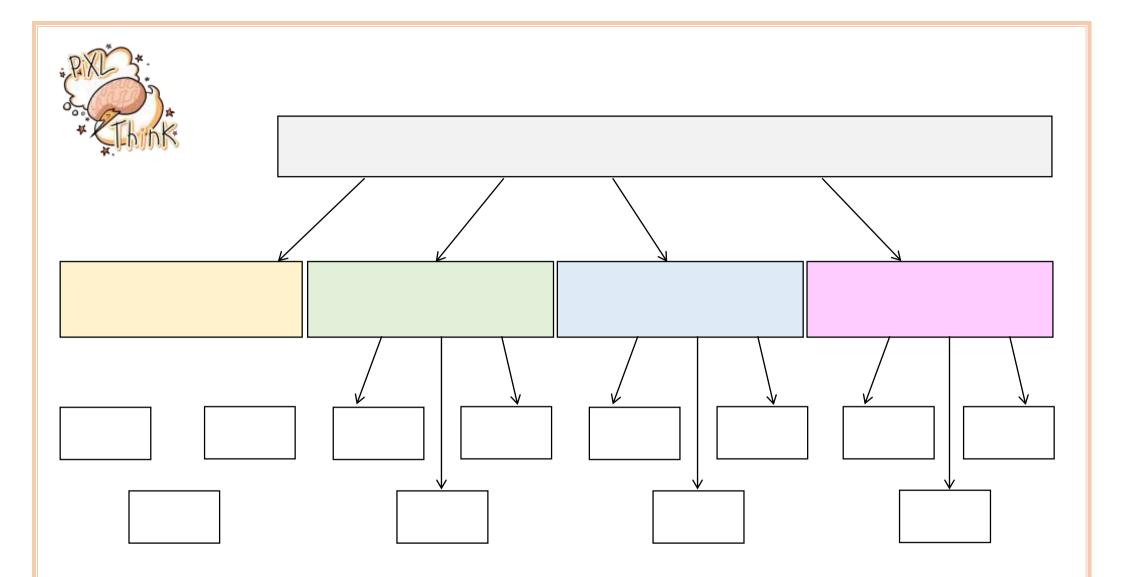
PiXL Revisit: Developing points

Point	Example]	Explanation
		-	
		-	
	Most significant		
	Most significant. Why?		

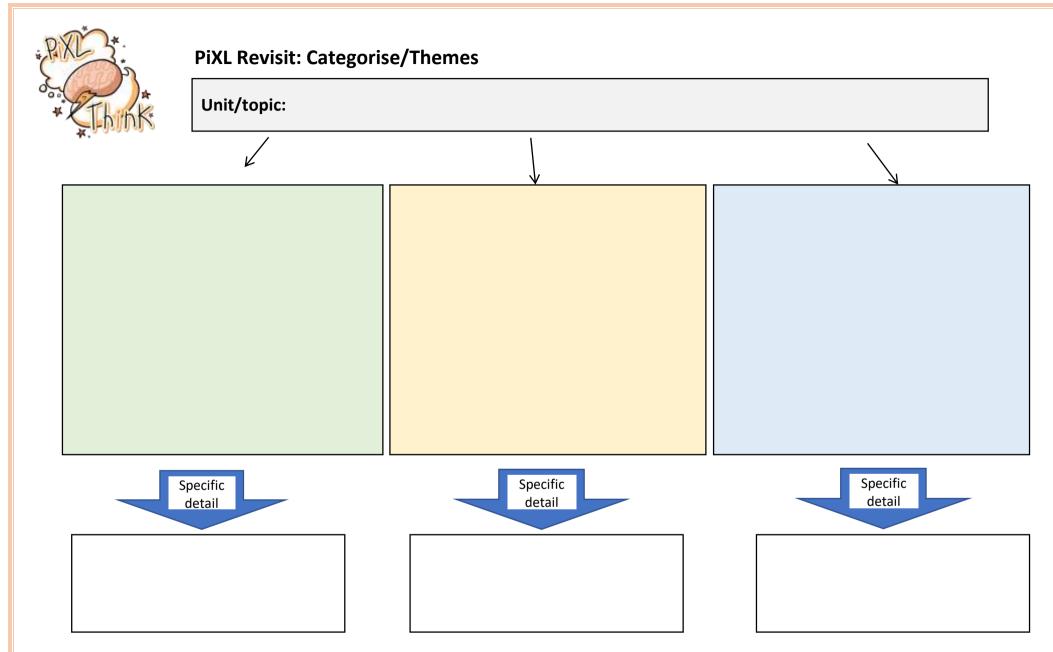




Taken from the article: 'What Will Improve a Student's Memory?' By Daniel T Willingham (http://www.aft.org/sites/default/files/periodicals/willingham 0.pdf)



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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: Developing points

Unit/topic:

Picture/source/info/resource

Key points

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

The most important point + why.



AND S.	PiXL Revisit: Flexibility of	of thinking - Connection Map	
* Think	Title	Place the information/ factors/knowledge in the boxes. Add as many boxes as you want to. Draw lines lin boxes. The darker/strong the stronger to	ger the line,
You could also add		On the line, give reaso for the links. Explain the link/importance or significance.	
formula/dates/facts/d near to or on the line exemplify knowledge.	to		



PiXL Revisit: Flexibility of thinking - Connection Map

Think	Title		
Г			



PiXL Revisit: Practice

Unit/topic:			

Practice	
Lessons learned	
Equation	



PiXL Revisit: Experiment on a page

Experiment title:

Process/method

1.

2.

3.

4.

5.

6.

7.

8.

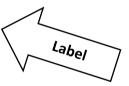
9.

10.

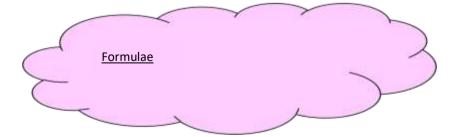


Experiment diagram











PiXL Revisit: Reduce to 6 points

Unit/topic:

Information

REDUCE



Reduce to 6 points

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

Reduce to 3 key points

- A.
- - В.
 - C.

Information



Prioritise (most important)

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.



WHY?



Monday	Tuesday	Wednesday	Thursday	Friday
20 th April	21st April	22 nd April	23 rd April	24 th April
Not sure OK Great! I must recap:				
Page number:				
27 th April	28 th April	29 th April	30 th April	1 st May
Not sure OK Great!				
I must recap:				
Page number:				



Monday	Tuesday	Wednesday	Thursday	Friday
4 th May	5 th May	6 th May	7 th May	8 th May
Not sure OK Great! I must recap:				
Page number:				
11 th May	12 th May	13 th May	14 th May	15 st May
Not sure OK Great!				
I must recap:				
Page number:				



Monday	Tuesday	Wednesday	Thursday	Friday
18 th May	19 th May	20 th May	21 th May	22 th May
Not sure OK Great! I must recap:				
Page number:				
25 th May	26 th May	27 th May	28 th May	29 st May
Not sure OK Great!				
I must recap: Page number:				



Monday	Tuesday	Wednesday	Thursday	Friday
1 st June	2 nd June	3 rd June	4 th June	5 th June
Not sure OK Great!	Not sure OK Great!	Not sure OK Great!	Not sure OK Great!	Not sure OK Great!
I must recap:	I must recap:	I must recap:	I must recap:	I must recap:
Page number:	Page number:	Page number:	Page number:	Page number:
8 th June	9 th June	10 th June	11 th June	12 th June
Not sure OK Great!	Not sure OK Great!	Not sure OK Great!	Not sure OK Great!	Not sure OK Great!
I must recap:	I must recap:	I must recap:	I must recap:	I must recap:
Page number:	Page number:	Page number:	Page number:	Page number:



Monday	Tuesday	Wednesday	Thursday	Friday
15 th June	16 th June	17 th June	18 th June	19 th June
Not sure OK Great! I must recap:				
Page number:				
22 th June	23 th June	24 th June	25 th June	26 th June
Not sure OK Great!				
I must recap:				
Page number:				



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