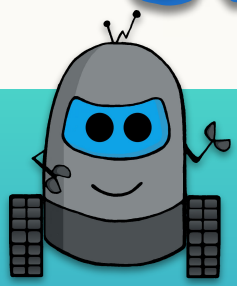
Play Code Learn

DINOSAUR COMMANDS

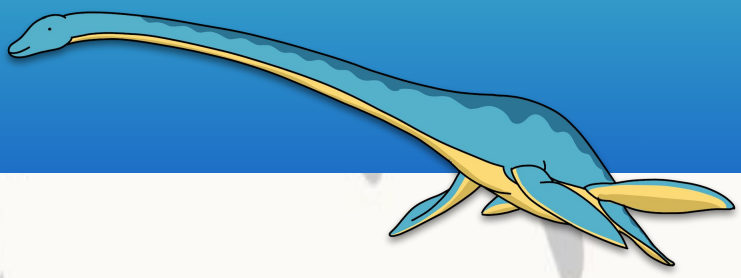
Student Handouts

All handouts are A4 for printing.

Play Code Learn



DINOSAUR COMMANDS

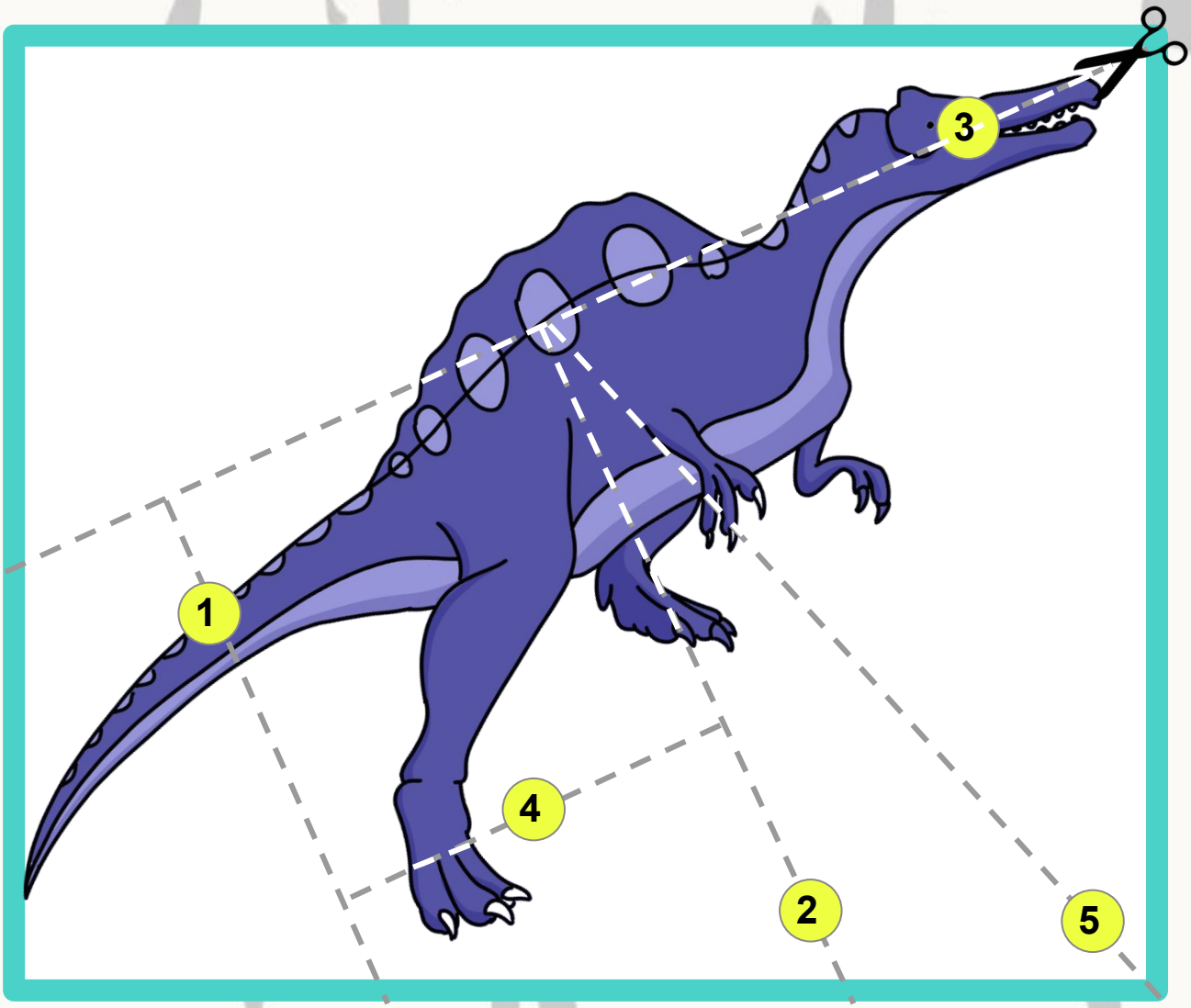


Lesson Two:

Writing clear & precise algorithms.

Algorithmic Thinking - logical cuts (beginner)

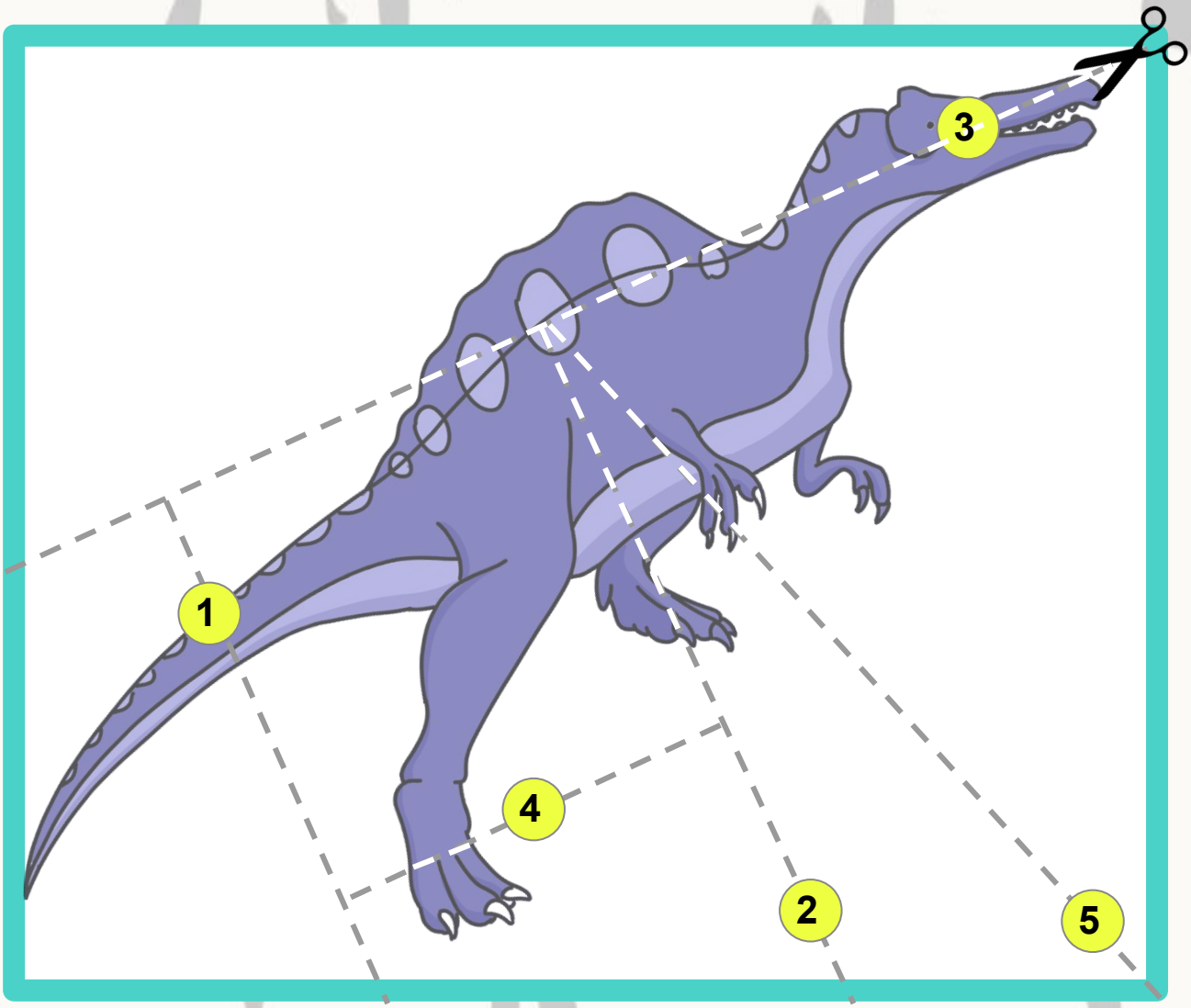
Plan the order for cutting out the puzzle pieces! Once you have a step by step plan you can trial it by following the instructions to cut out the puzzle.



Order of cuts	Line number
1st	
2nd	
3rd	
4th	
5th	

Algorithmic Thinking - logical cuts possible answers

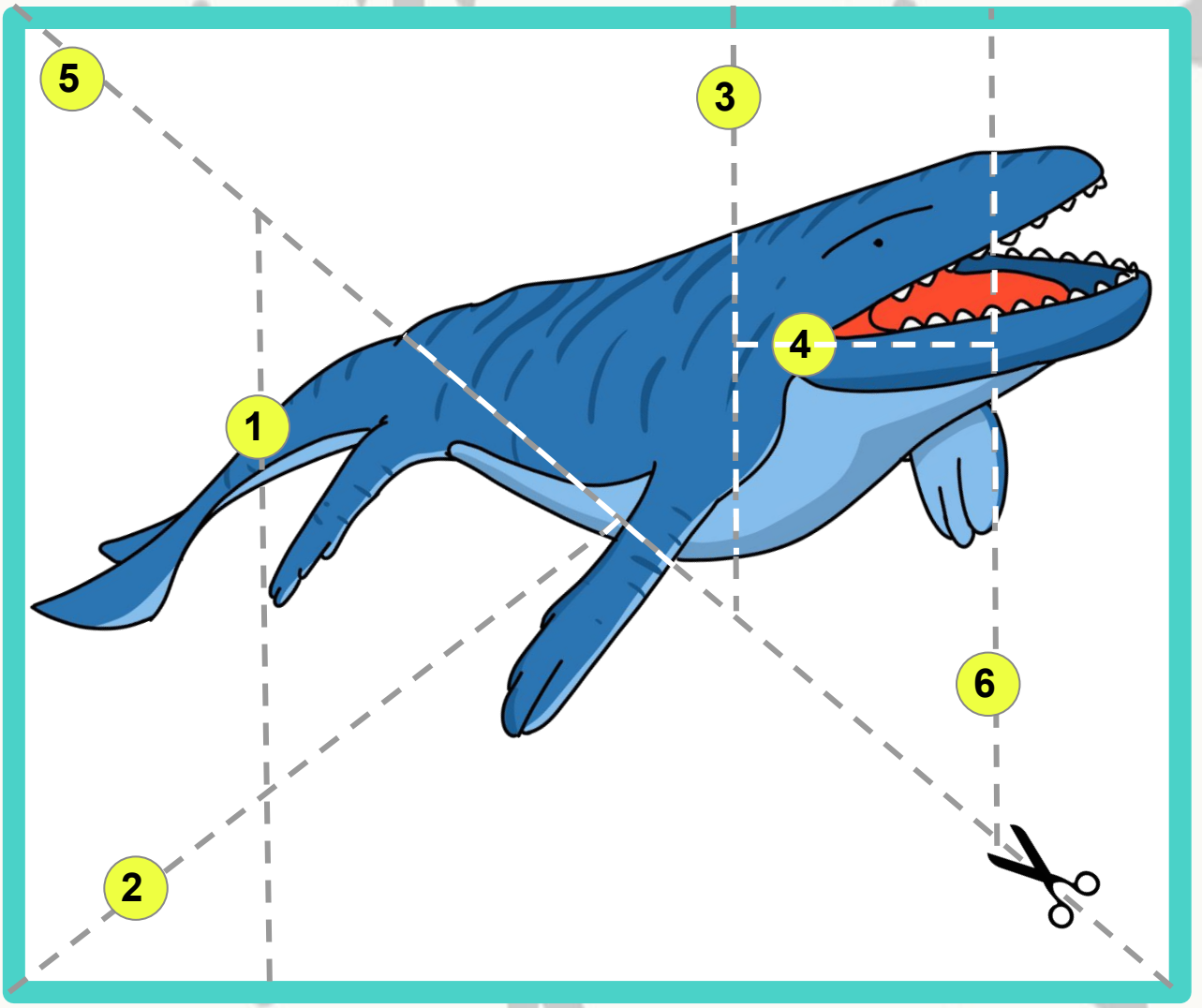
There are many different ways to plan the cuts to be successful for all of the puzzles. The examples show just a couple!



Order of cuts	Line number (example one)	Line Number (example two)
1st	3	3
2nd	1, 2 or 5	5
3rd	1, 2 or 5	1 or 2
4th	1, 2 or 5	1 or 2
5th	4	4

Algorithmic Thinking - logical cuts (intermediate)

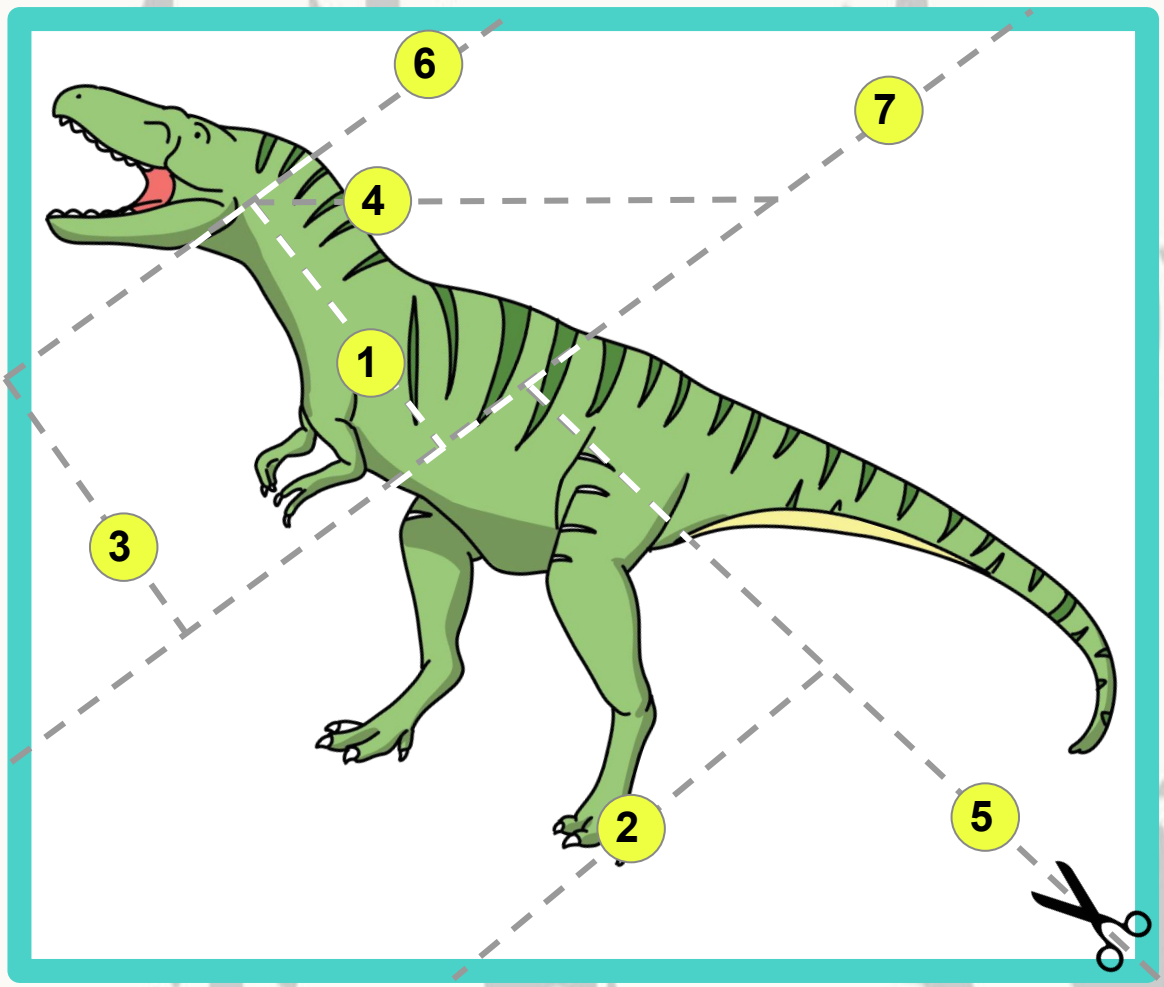
Plan the order for cutting out the puzzle pieces! Once you have a step by step plan you can trial it by following the instructions to cut out the puzzle.



Order of cuts	Line number
1st	
2nd	
3rd	
4th	
5th	
6th	

Algorithmic Thinking - logical cuts (intermediate)

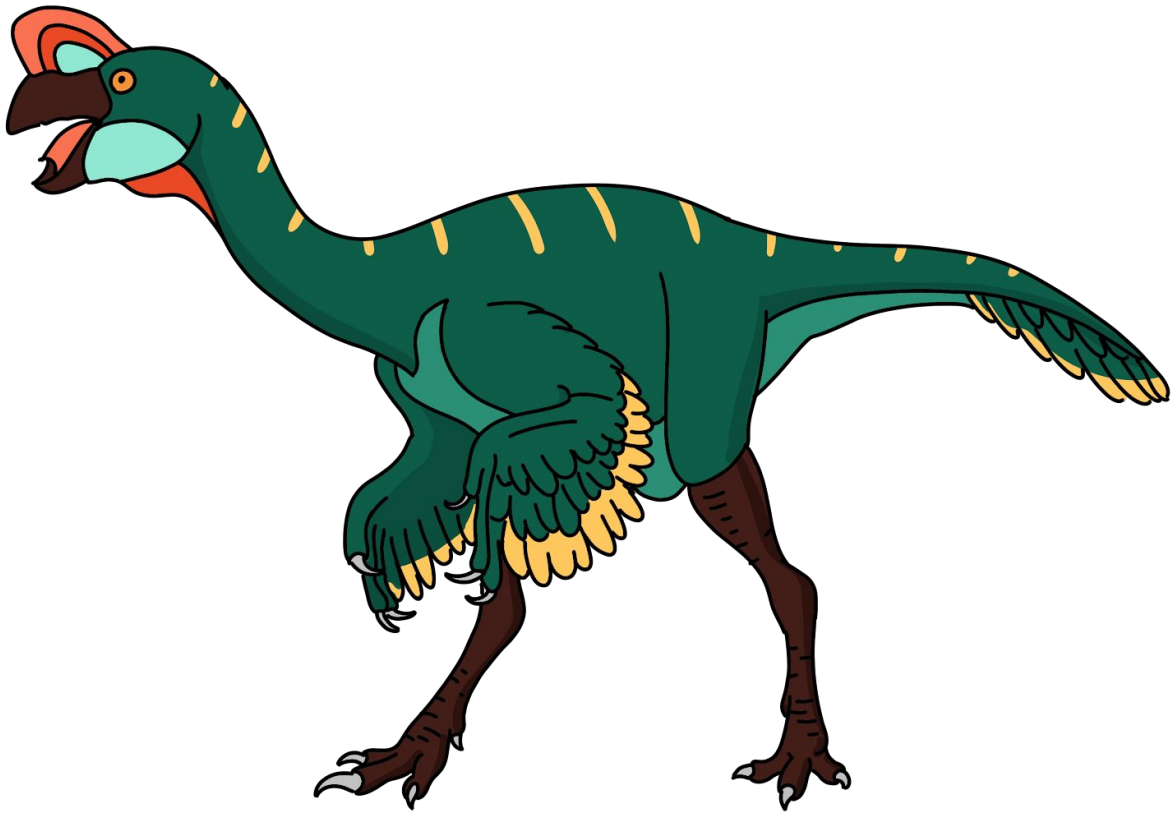
Plan the order for cutting out the puzzle pieces! Once you have a step by step plan you can trial it by following the instructions to cut out the puzzle.



Order of cuts	Line number
1st	
2nd	
3rd	
4th	
5th	
6th	
7th	

Algorithmic Thinking - design your own puzzle

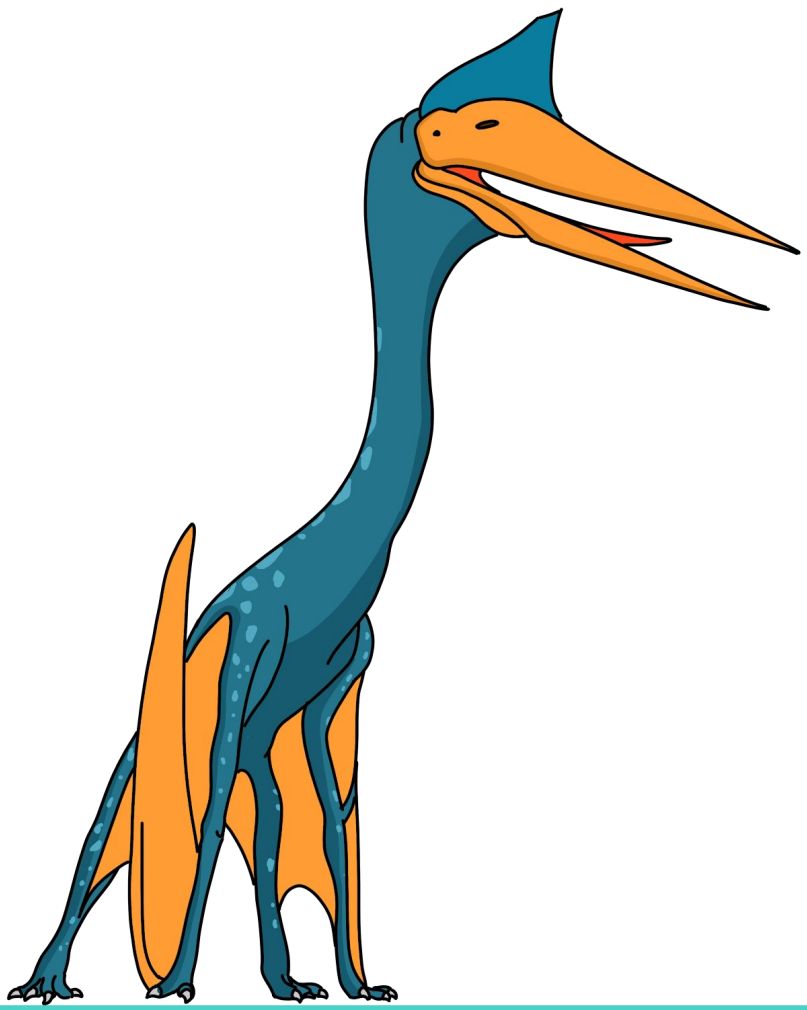
Plot the cut lines on the puzzle using a ruler and pencil. In this puzzle you can have **5 straight cuts** with some scissors. Write the algorithm to cut the puzzle out.



Order of cuts	Line number
1st	
2nd	
3rd	
4th	
5th	

Algorithmic Thinking - design your own puzzle

Plot the cut lines on the puzzle using a ruler and pencil. In this puzzle you can have **6 straight cuts** with some scissors. Write the algorithm to cut the puzzle out.

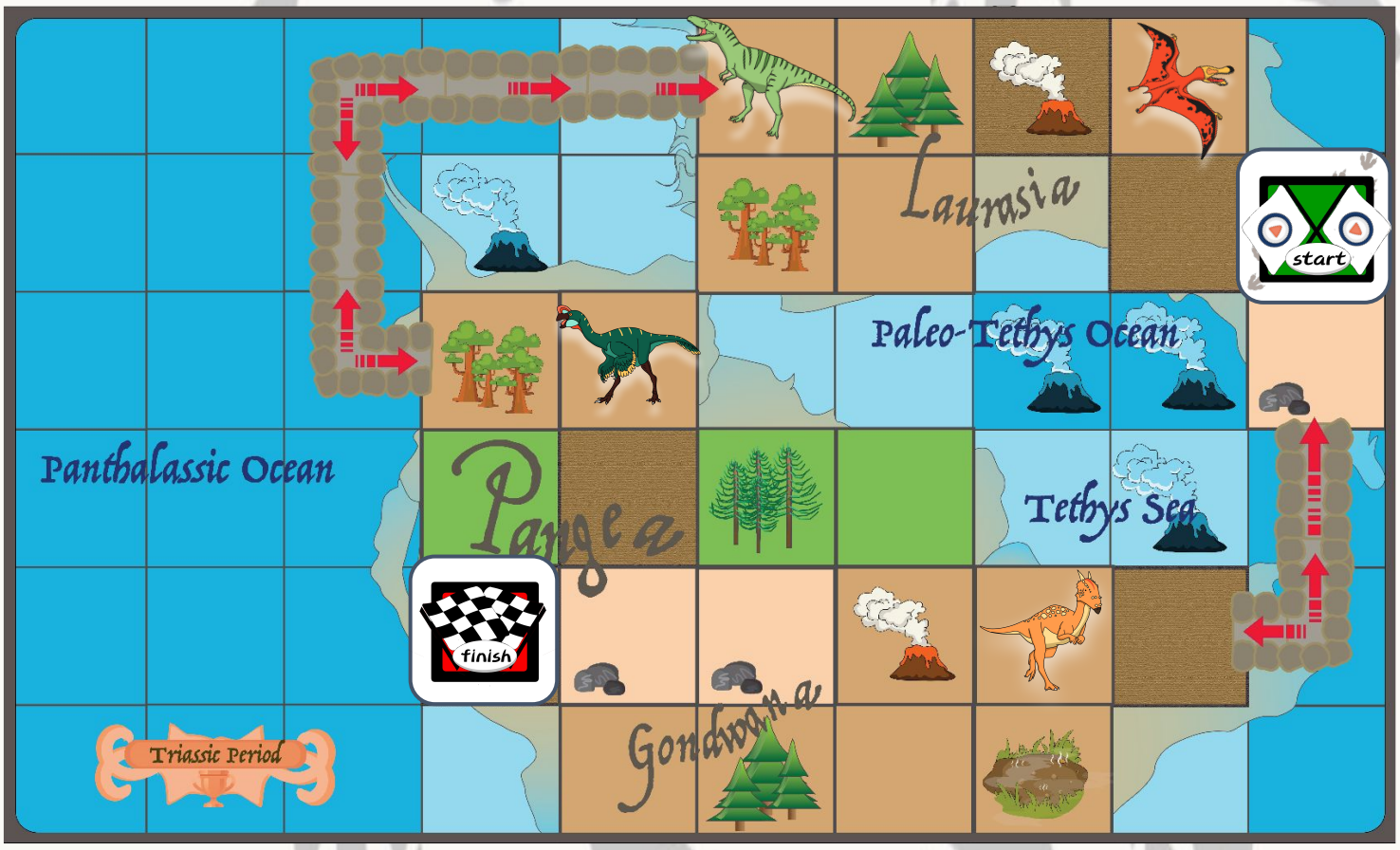


Order of cuts	Line number
1st	
2nd	
3rd	
4th	
5th	
6th	

Decomposition - breaking down algorithms

Look at the example on the Triassic period board. Decompose and plan the movements for Explorer Ed to travel from start to finish, visiting every dinosaur along the way!

(To make it more difficult you are not allowed to use the water squares!)



Order	Action
1st	Start to...
2nd	to
3rd	to
4th	to
5th	... to finish!

Decomposition - breaking down algorithms

Look at the example on the Triassic period board. Decompose and plan the movements for Explorer Ed to travel from start to finish, visiting every dinosaur along the way!

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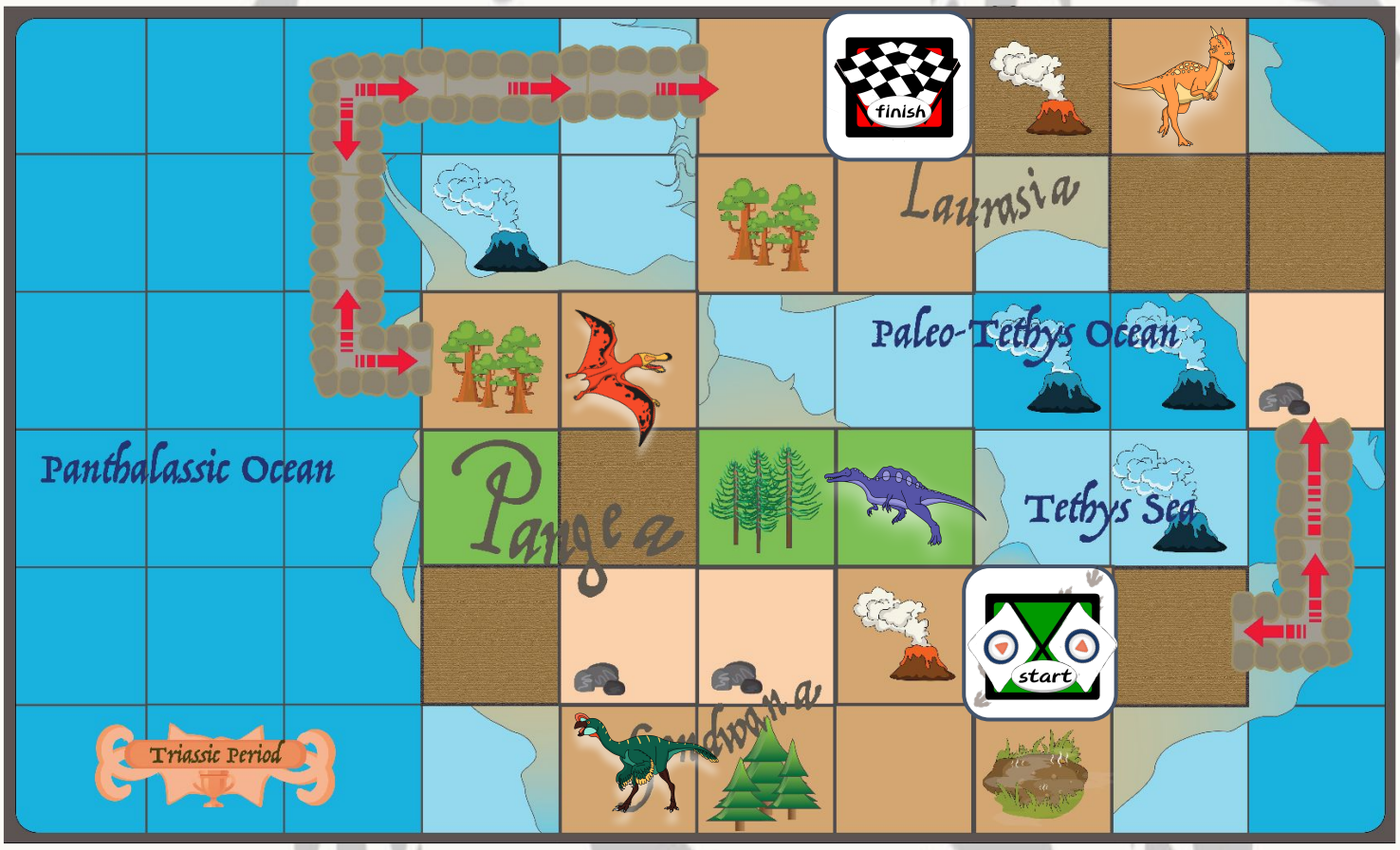


Order	Action
1st	Start to...
2nd	to
3rd	to
4th	to
5th	... to finish!

Decomposition - breaking down algorithms

Look at the example on the Jurassic period board. Decompose and plan the movements for Explorer Ed to travel from start to finish, visiting every dinosaur along the way!

(To make it more difficult you are not allowed to use the water squares!)

Order	Action
1st	Start to…
2nd	to
3rd	to
4th	to
5th	… to finish!

Decomposition - breaking down algorithms

Look at the example on the Jurassic period board. Decompose and plan the movements for Explorer Ed to travel from start to finish, visiting every dinosaur along the way!

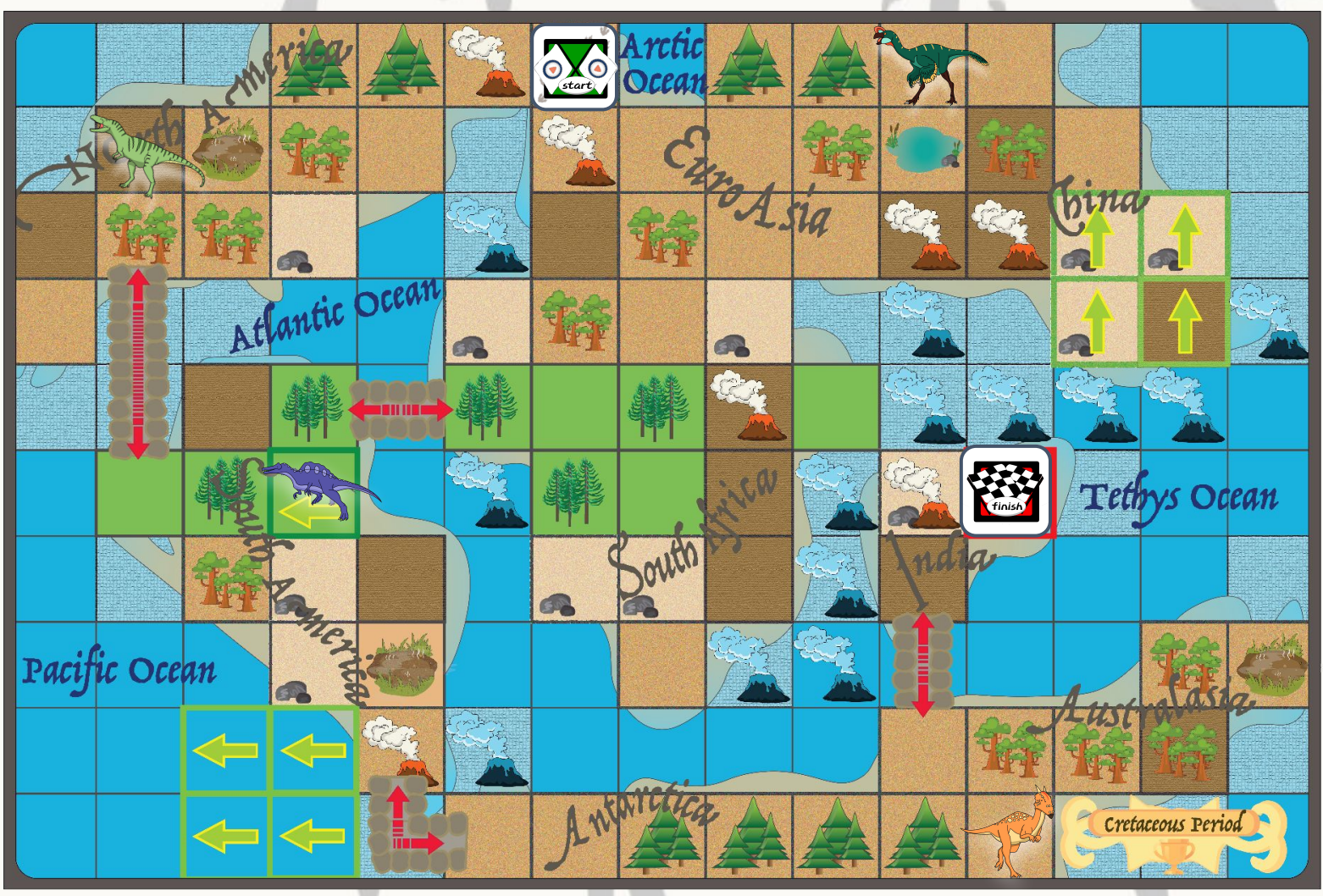
(To make it more difficult you are not allowed to use the water squares!)

Order	Action
1st	Start to...
2nd	to
3rd	to
4th	to
5th	... to finish!

Decomposition - breaking down algorithms

Look at the example on the Cretaceous period board. Decompose and plan the movements for Explorer Ed to travel from start to finish, visiting every dinosaur along the way!

(To make it more difficult you are not allowed to use the water squares!)

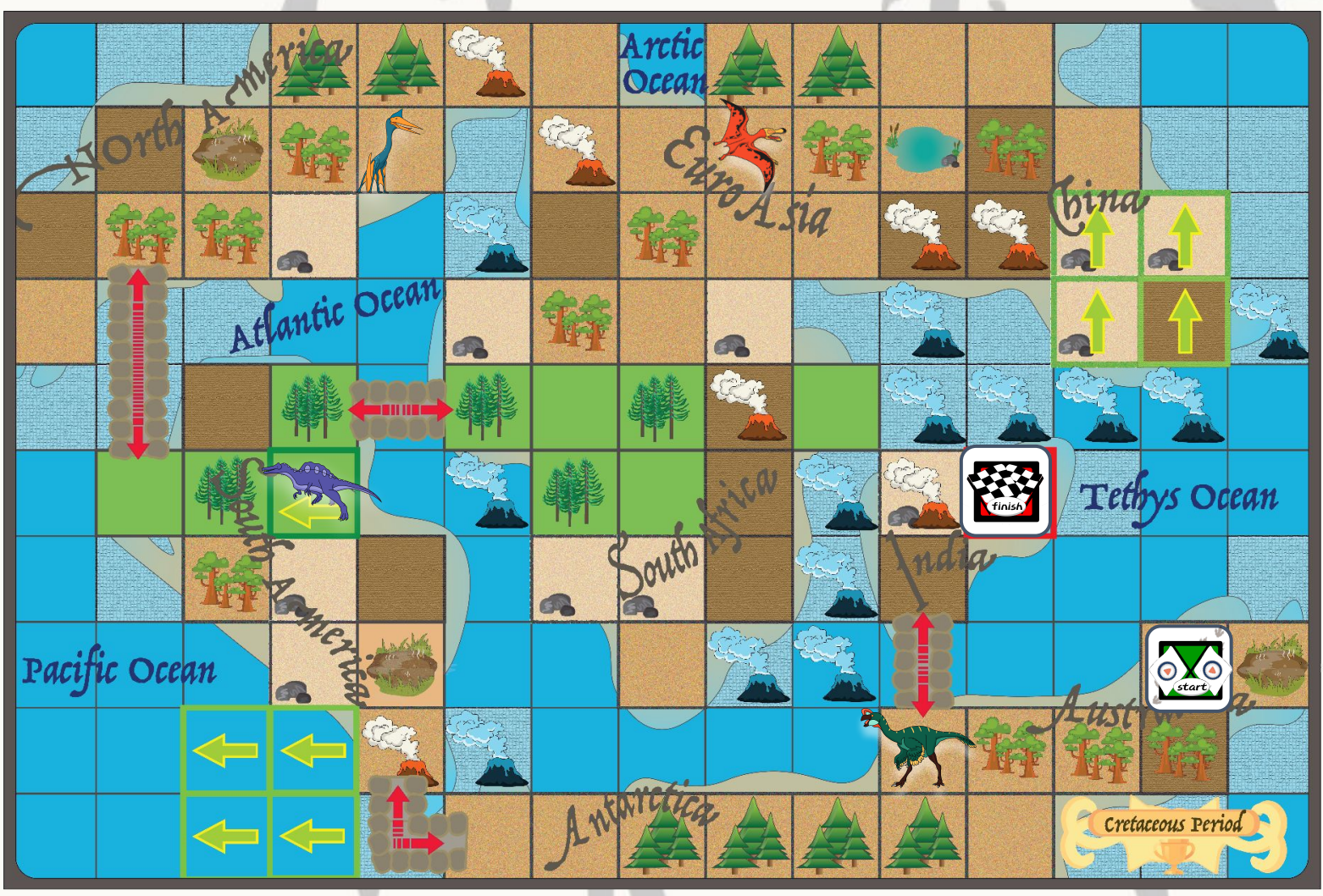


Order	Action
1st	Start to...
2nd	to
3rd	to
4th	to
5th	... to finish!

Decomposition - breaking down algorithms

Look at the example on the Cretaceous period board. Decompose and plan the movements for Explorer Ed to travel from start to finish, visiting every dinosaur along the way!

(To make it more difficult you are not allowed to use the water squares!)



Order	Action
1st	Start to...
2nd	to
3rd	to
4th	to
5th	... to finish!

Exit Statement for Lesson Two:

Sequential Algorithms

Learning Intention:

...how to create a clear & precise sequential algorithm.

1. How **do you feel** about today's lesson?



Circle the emoji bug that links to you!

2. What **key words** can you remember from the lesson today?

Circle the words:

Instruction	System	Logic
Computer	Patterns	Sequence
Process	Decomposition	Camera
Algorithm	Abstraction	Error
Debug	Output	Commands

Exit Statement for Lesson Two:

Sequential Algorithms

Learning Intention:

...how to create a clear & precise sequential algorithm.

1. How **do you feel** about today's lesson?



Circle the emoji bug that links to you!

Why do you feel this way?

2. What **key words** can you remember from the lesson today?

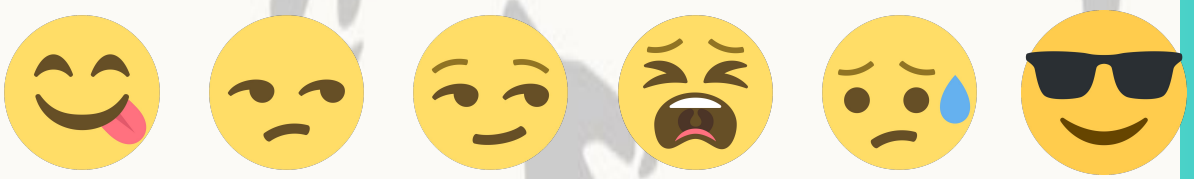
Exit Statement for Lesson Two:

Sequential Algorithms

Learning Intention:

...how to create a clear & precise sequential algorithm.

1. How **do you feel** about today's lesson?



Circle the emoji that you relate to!

2. What were your **key takeaways** from this lesson today?

3. What would you like to **learn more about?**

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