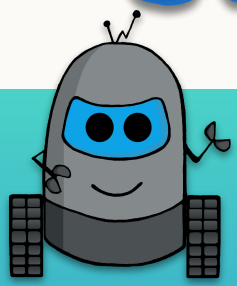
Play Code Learn

DINOSAUR COMMANDS

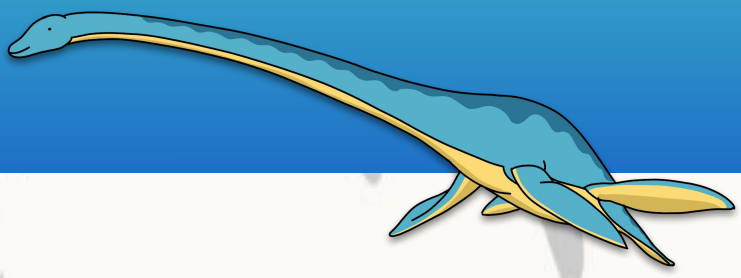
Student Handouts

All handouts are A4 for printing.

Play Code Learn



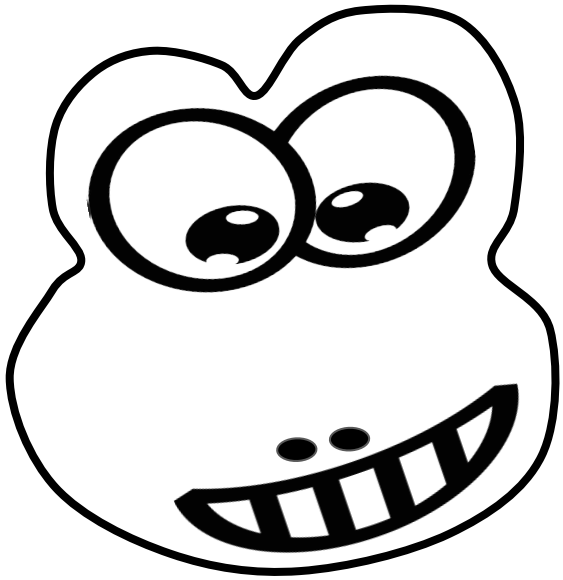
DINOSAUR COMMANDS



Lesson One:

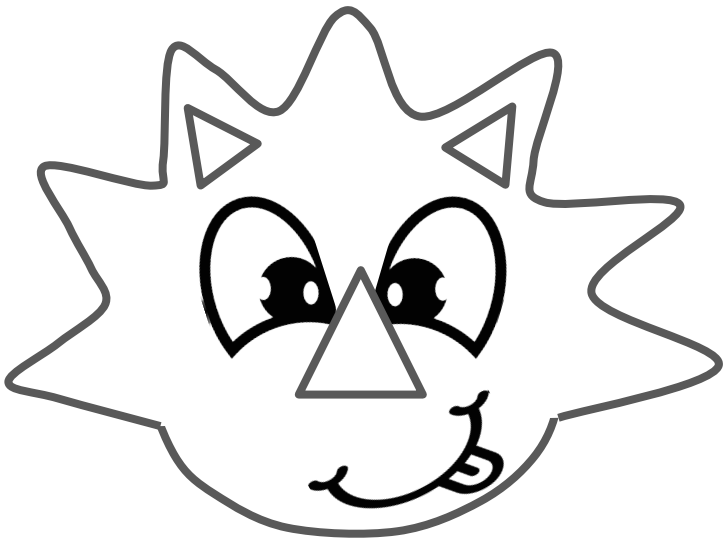
Computational Thinking concepts

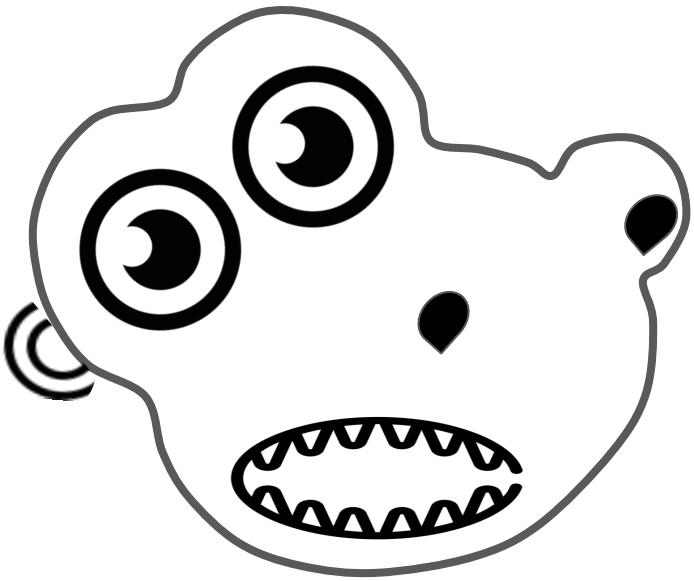
Computational Thinking - Classified Dinosaurs



This is the **Dippy Docus** family. It has a '**dippy**' face shape and '**docus**' facial features!

This is the **Horny Tricero**. It has a '**Horny**' face classification and '**tricero**' facial attributes!

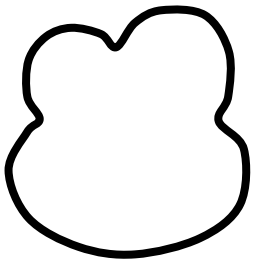




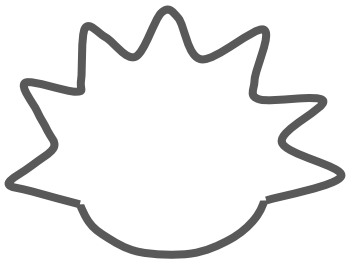
This is the **Roar Rex** genus. It has a '**Roar**' face and the face features are a type of '**Rex**'.

Computational Thinking: Dinosaur Catalogue - beginner

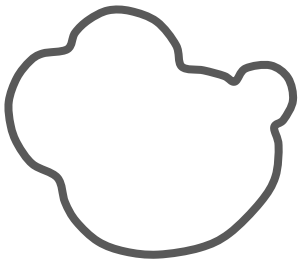
Face Shape



Dippy

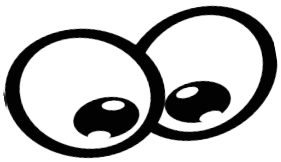


Horny



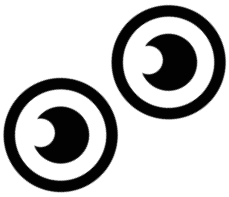
Roar

Eye Shape



Docus

Tricero

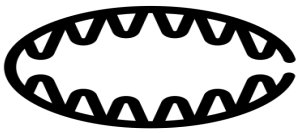


Rex

Mouth Shape

Docus

Tricero



Rex

Nose Shape

Docus

Tricero

Rex

Ear Shape

Docus

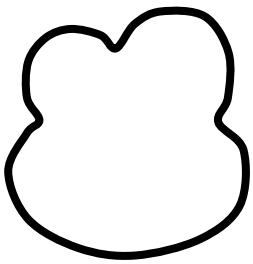
Tricero

Rex

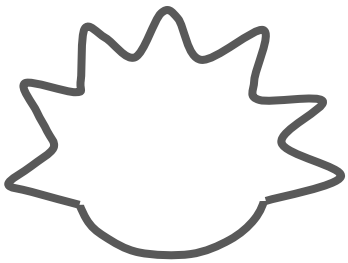
Use the dinosaur catalogue to help to create the dinosaurs and write algorithms to make new dinosaurs!

Computational Thinking: Dinosaur Catalogue - intermediate

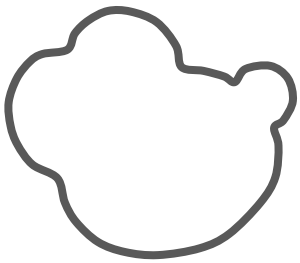
Face Shape



Dippy

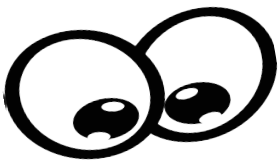


Horny

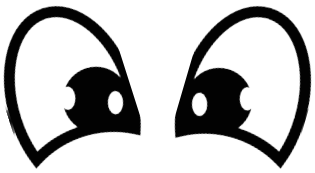


Roar

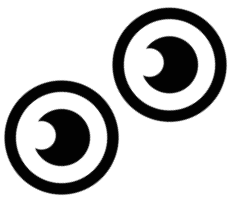
Eye Shape



Docus

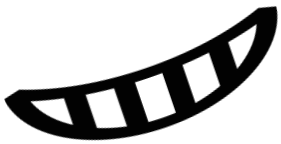


Tricero



Rex

Mouth Shape



Docus

Tricero

Rex

Nose Shape

Docus

Tricero

Rex

Ear Shape

Docus

Tricero

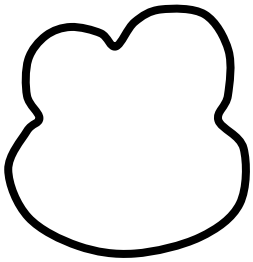
Rex

Use the dinosaur catalogue to help to create the dinosaurs and write algorithms to make new dinosaurs!

Design your own classification system for a dinosaur.

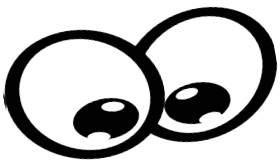
Computational Thinking: Dinosaur Catalogue - advanced

Face Shape



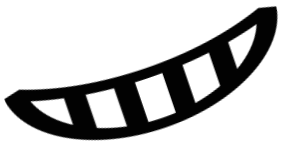
Dippy

Eye Shape



Docus

Mouth Shape



Docus

Nose Shape

Docus

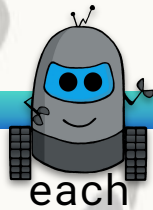
Ear Shape

Docus

Use the dinosaur catalogue to help to create the dinosaurs and write algorithms to make new dinosaurs!

Design your own classification system for some dinosaurs.

Computational Thinking: Mix and match



Cut out the words and the descriptions. Can you match each word to the correct description?

Algorithmic Thinking

Decomposition

Abstraction

Pattern recognition

Logical Thinking

Computational Thinking

The ability to filter out unimportant information to make a problem easier to solve.

Different concepts and methods used in computer science. It is a problem solving process.

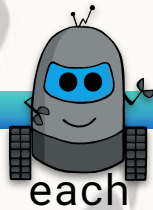
A set of rules, steps or instructions to complete a task efficiently and logically.

The ability to spot patterns in information.

A way of getting to a solution through a clear definition of steps.

Breaking down data, processes or problems into smaller parts.

Computational Thinking: Mix and match - answers



Cut out the words and the descriptions. Can you match each word to the correct description?

Algorithmic Thinking

A way of getting to a solution through a clear definition of steps.

Computational Thinking

Different concepts and methods used in computer science. It is a problem solving process.

Logical Thinking

A set of rules, steps or instructions to complete a task efficiently and logically.

Pattern recognition

The ability to spot patterns in information.

Decomposition

Breaking down data, processes or problems into smaller parts.

Abstraction

The ability to filter out unimportant information to make a problem easier to solve.

Exit Statement for Lesson One:
Computational Thinking Concepts

Learning Intention:

...to recognise the different computational thinking concepts.

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:

Input	System	Logic
Computer	Patterns	Mouse
Process	Decomposition	Camera
Algorithm	Abstraction	Cipher
Robot	Output	Decode

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Exit Statement for Lesson One:
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Learning Intention:

...to recognise the different computational thinking concepts.

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



Circle the emoji bug that links to you!

Why do you feel this way?

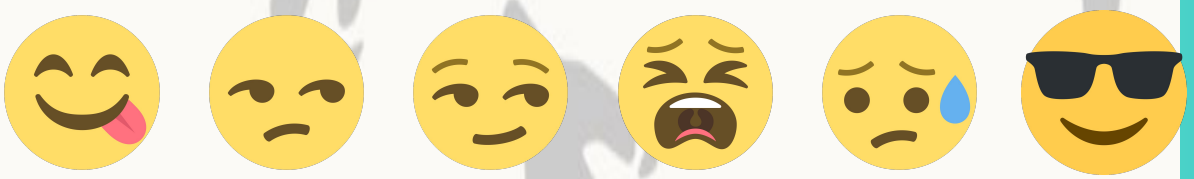
2. What **key words** can you remember from the lesson today?

Exit Statement for Lesson One:
Computational Thinking Concepts

Learning Intention:

...to recognise the different computational thinking concepts.

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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