

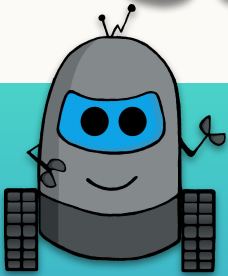
# Play Code Learn

## DINOSAUR STEPS

### Student Handouts

All handouts are A4 for printing.

# Play Code Learn

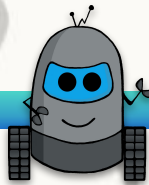


## DINOSAUR STEPS

























### Lesson Three Debugging

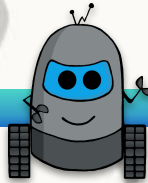
# Debugging Algorithms - beginner



Look at the map. Find the start and finish flags. Read the algorithm. Spot the bug(s). Debug and re-write the algorithm. Try to dodge the volcano & bubbling mud!

Map	 Algorithm where is the bug?	Algorithm debug and write the new algorithm.
	      	
	      	
	     	

# Debugging Algorithms - beginner (answers)

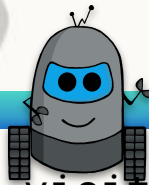


Look at the map. Find the start and finish flags. Read the algorithm. Spot the bug(s). Debug and re-write the algorithm. Try to *dodge the volcano & bubbling mud*!

Map	Algorithm where is the bug?	Algorithm debug and write the new algorithm.



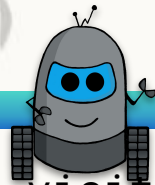
# Debugging Algorithms - intermediate



Look at the map. Find the flags. Read the algorithm to visit one dinosaur. Spot the bug(s). Debug and re-write the algorithm. Try to *dodge the volcano & bubbling mud*!

Map	Algorithm where is the bug?	Algorithm debug and write the new algorithm.
	<div><div>▶</div><div>→</div><div>→</div><div>↓</div><div>→</div><div>→</div><div>↓</div></div>	<div><div>▶</div></div>
	<div><div>▶</div><div>↑</div><div>↑</div><div>→</div><div>→</div><div>→</div><div>↓</div></div>	<div><div>▶</div></div>
	<div><div>▶</div><div>←</div><div>←</div><div>←</div><div>↑</div><div>↑</div><div>←</div><div>↑</div></div>	<div><div>▶</div></div>

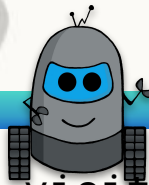
# Debugging Algorithms - intermediate (answers)



Look at the map. Find the flags. Read the algorithm to visit one dinosaur. Spot the bug(s). Debug and re-write the algorithm. Try to *dodge the volcano & bubbling mud*!

Map	Algorithm where is the bug?	Algorithm debug and write the new algorithm.

# Debugging Algorithms - advanced

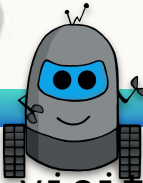


Look at the map. Find the flags. Read the algorithm to visit all the dinosaurs. Spot the bug(s). Debug and re-write the algorithm. Try to *dodge the volcano & bubbling mud!*

Map	Algorithm where is the bug?	Algorithm debug and write the new algorithm.
	<div><div>▶</div><div>→</div><div>→</div><div>→</div><div>↓</div><div>←</div><div>←</div></div>	<div><div>▶</div></div>
	<div><div>▶</div><div>↑</div><div>↑</div><div>↑</div><div>↑</div><div>→</div><div>↓</div><div>↓</div><div>↓</div><div>→</div></div>	<div><div>▶</div></div>
	<div><div>▶</div><div>←</div><div>↑</div><div>↑</div><div>↑</div><div>↑</div><div>→</div><div>←</div><div>←</div></div>	<div><div>▶</div></div>



# Debugging Algorithms - advanced (answers)



Look at the map. Find the flags. Read the algorithm to visit all the dinosaurs. Spot the bug(s). Debug and re-write the algorithm. Try to *dodge the volcano & bubbling mud*!

Map	Algorithm where is the bug?	Algorithm debug and write the new algorithm.





Rubber Duck  
Debugging



Rubber Duck  
Debugging



### Learning Intention:

...how to debug.

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:*

Bug

Arrow

Sad

Computer

Debugging

Robot

Pattern

Instructions

Scarf

Algorithm

Footprint

Happy

Tree

Problem

Think

## Learning Intention:

...how to debug.

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?

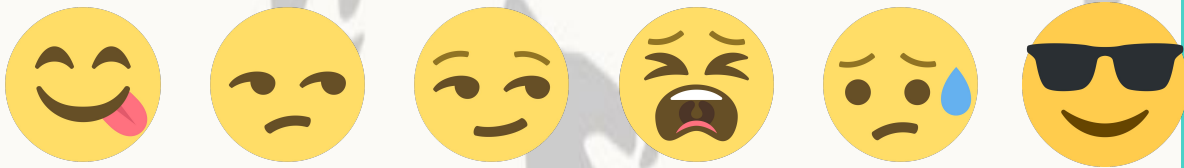


# Exit Statement for Lesson Three: Debugging

## Learning Intention:

...how to debug.

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**?