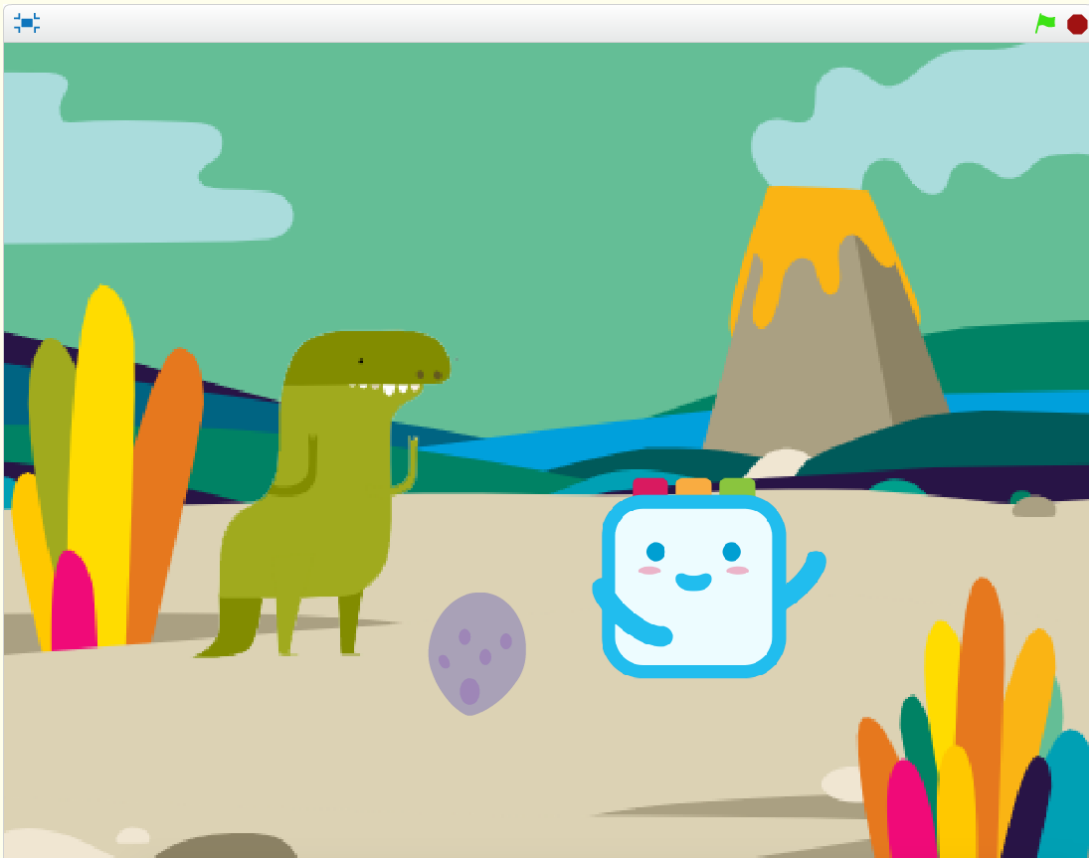


10

Protect the Dinosaur's Egg.

● Scratch Project

- Let us create a mother dinosaur that protects her egg.



● Coding Blocks To Use

- Let us utilize the coding blocks (proximity sensor, DC motor) to create a dinosaur and her egg.



PROXIMITY



DC MOTOR




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Protect the Dinosaur's Egg.

- Scratch coding mission

- Let us code the mother dinosaur to move when an object is detected near her egg.

- Frequently used blocks

Major blocks	Block explanation
	<ul style="list-style-type: none">This block creates conditional sentence.In the "[]. (hexagon)" the condition of the sentence is entered.If the condition is true, the content coded inside is started.
	<ul style="list-style-type: none">You can enter the time value to set the waiting time.
	<ul style="list-style-type: none">You enter the number of repeats in the condition part, and you enter the action that is repeated in the action area.

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Protect the Dinosaur's Egg.

● Coding Mission To Do!

Let us create a mother dinosaur that protects her egg.

- Let us code the mother dinosaur to move when an object is detected near her egg.

Step 1

Let us create the conditional sentence that can check if there is an object in front of the proximity sensor or not.

- 1) This condition will start only when the condition is True.
- 2) The conditional sentence is not started for once, and the repetition continues without stopping.

```
when clicked
  forever
    if Is there an object in front of Proximity Sensor No. 1? then
```

Step 2

Let us code the mother dinosaur to move when the condition is True.

```
when clicked
  forever
    if Is there an object in front of Proximity Sensor No. 1? then
      DC Motor No. 1 forward
      wait 1 secs
      DC Motor No. 1 backward
      wait 1 secs
      DC Motor No. 1 stop
```

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Protect the Dinosaur's Egg.

● Coding Mission To Do!

Let us create a mother dinosaur that protects her egg.

- Let us code the mother dinosaur to move when an object is detected near her egg.

Step 3

Let us think about how should we code if we want to repeat the movement of the mother dinosaur, that starts when the condition is True, two times.

