

Code to Enhance Learning

Course 1: Lesson 4
Flying Helicopter

Objective:

We will make an application of a helicopter flying in the sky.



Flying Helicopter:

Thinking Questions:

1) What things we will need on the stage?


- 1) A sprite “Helicopter”
- 2) A backdrop which can help us see that helicopter is flying

2) What should happen on the stage?

Helicopter will move left, right, up and down when the arrow keys are pressed on the keyboard.

Flying Helicopter: (Teacher models...)

Lesson 3 Flying Helicopter



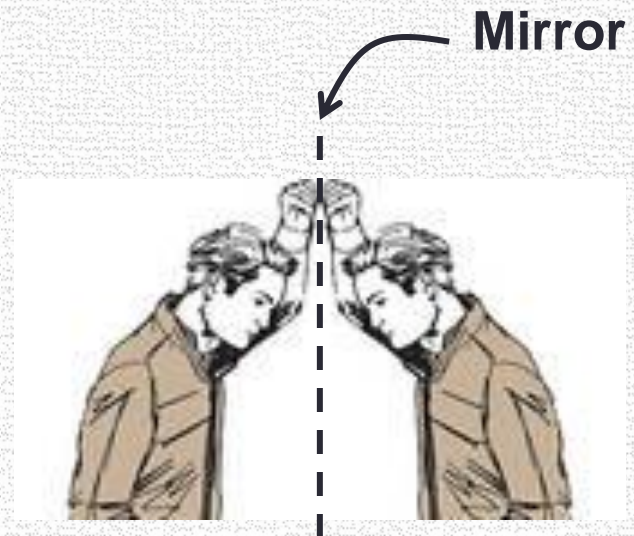
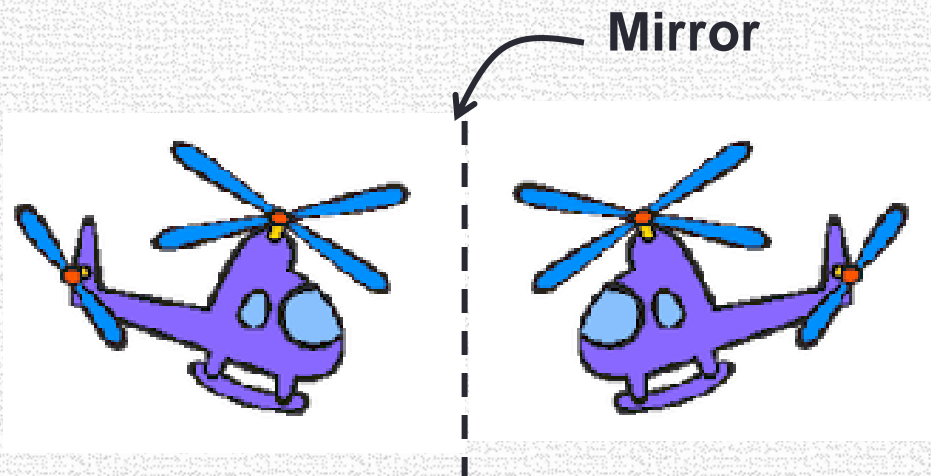
The image shows a Scratch project window titled "Lesson 3 Flying Helicopter". The stage features a light blue sky and green hills. A purple helicopter with blue rotors is flying in the center. To the right, the code editor shows the following script:

```
when right arrow key pressed  
switch costume to helicopter  
point in direction 90  
move 10 steps
```

Flying Helicopter:

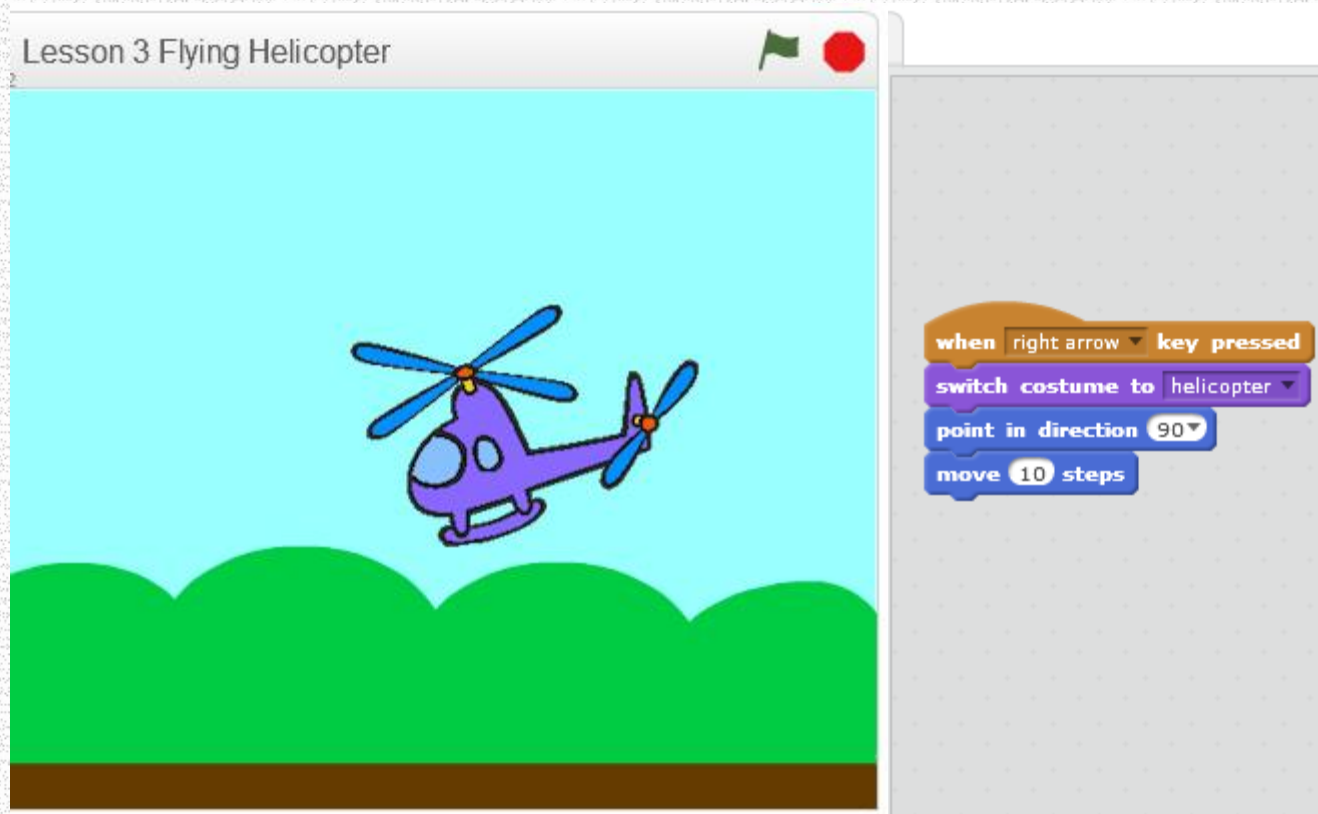
Mirror Image

A mirror image is exactly identical image formed opposite to the mirror and its reversed.



Flying Helicopter: (Teacher work with kids...)

- What should I do first?
- What should I do next?



The screenshot shows a Scratch project window titled "Lesson 3 Flying Helicopter". The stage displays a purple helicopter with blue rotors flying over a green landscape with a brown ground line. The code area on the right contains the following blocks:

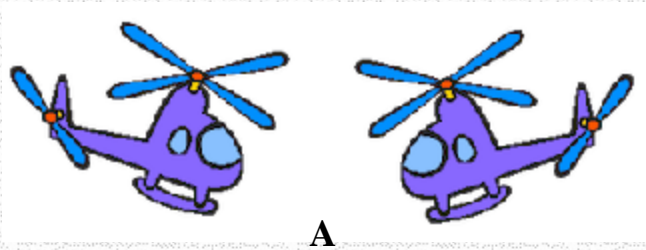
```
when right arrow key pressed  
switch costume to helicopter  
point in direction 90  
move 10 steps
```

Quiz 1:

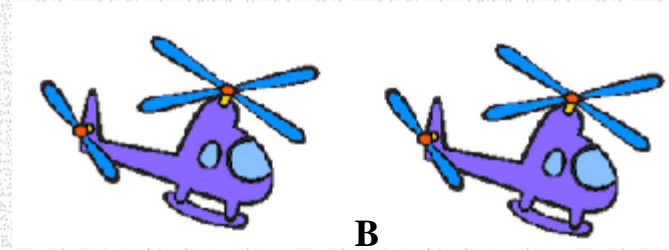


Talk to your partner:

Which of the following which shows the mirror image of the Helicopter?



A



B



Let's share.

Quiz 2:



Talk to your partner:

Say Yes or No and give reason.

We want to make an application to make a helicopter fly of the stage. In the application, we want to write a program to make the helicopter move left when the left arrow key is pressed. Will the program below work?




Let's share.

```
when left arrow key pressed
  point in direction 90
  move 10 steps
```


Flying Helicopter: (Kids work on their own...)

Lesson 3 Flying Helicopter



The image shows a purple helicopter with blue rotors flying over a green landscape. The helicopter is positioned in the center of the frame, with its rotors spinning. The landscape consists of green hills and a brown ground line at the bottom.

```
when right arrow key pressed
switch costume to helicopter
point in direction 90
move 10 steps

when left arrow key pressed
switch costume to helicopter2
point in direction -90
move 10 steps
```

Assessment

Closing:

1. What did we do today?
2. What is one thing that you liked the most?
3. What did you learn?

Thank you