Creative Coding with Scratch
Disappearing Dragon

Getting Started

Select **Castle 2** backdrop.

Choose **Wizard** from the sprite library and decrease size.

Choose **Dragon** from the sprite library and increase size.

Turn the **Dragon** to face the **Wizard**.

Challenge 1

Can you make the **Wizard** say a magic spell?

Challenge 2

Can you add a sound effect to the **Wizard** as he casts his spell?

Challenge 3

Can you make the **Dragon** disappear as the **Wizard** casts his spell and then reappear?

Challenge 4

Can you make the **Dragon** change colour as a result of the **Wizard's** spell?

I can:

select a backdrop and a sprite; ☐

make sprites talk; ☐

add a sound effect; ☐

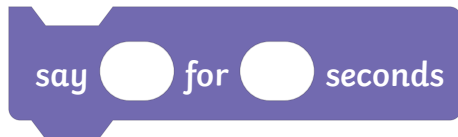make a sprite disappear and reappear; ☐
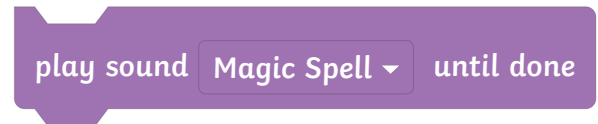
change the colour of a sprite. ☐

Helpful Hints
Disappearing Dragon

Use these hints to help you complete the challenges. They will not give you the complete solution to the algorithm but should help you on your way.
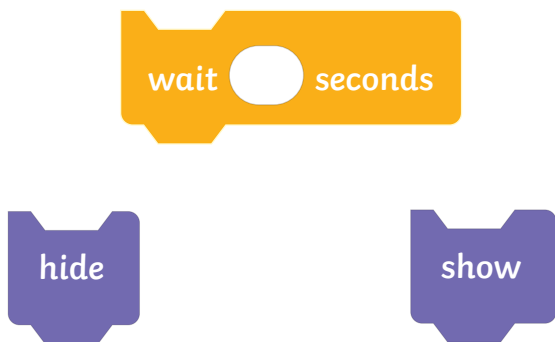

To make a sprite talk:

say ( ) for ( ) seconds

To add a sound effect:

play sound [Magic Spell ▾] until done

To make the **Dragon** disappear and reappear:

wait ( ) seconds

hide   **show**

To make the **Dragon** change colour:

change [color ▾] effect by (100)

Top Tip

To experiment with different colours, change the value.

Creative Coding with Scratch
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Each Creative Coding Challenge is an open-ended task, which can be approached in many different ways. Pupils should be encouraged to have a go and tackle these tasks independently. The helpful hints are not intended to provide complete solutions but may serve as useful cues for supporting less-confident coders.

The following algorithms are just one possible solution to each challenge.

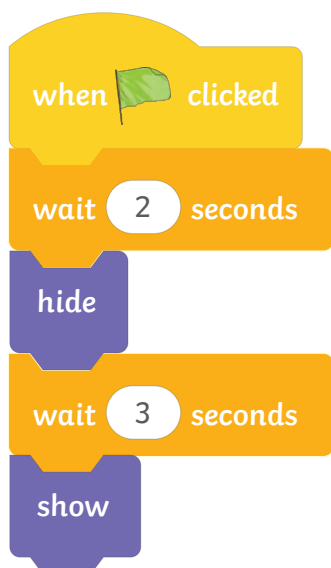## Challenge 1

The following code belongs on the **Wizard**:

```
when 🚩 clicked
say Abracadabra! for 2 seconds
```

Challenge 2

The following code belongs on the **Wizard**:

```
when 🚩 clicked
say Abracadabra! for 2 seconds
play sound Magic Spell ▾ until done
```

Challenge 3

The following code belongs on the **Dragon**:

```
when 🚩 clicked
wait 2 seconds
hide
wait 3 seconds
show
```

Challenge 4

The following code belongs on the **Dragon**:

```
when 🚩 clicked
wait 2 seconds
hide
wait 3 seconds
show
change color ▾ effect by 100
```