

### What should I already know?

- I can create a stop motion animation using 2Animate (4.6)
- I know how to use sounds, backgrounds, and effects (4.6)
- I can electronically compose a themed piece of music on Busy Beats (4.9)

### What will I know at the end of the unit?

- I can plan a game.
- I can design and create the game environment.
- I can design and create the game quest.
- I can finish and share the game.
- I can self and peer evaluate.

### Key Questions & Resources

#### What is the 2DIY3D tool on Purple Mash?

2DIY 3D allows users to create a playing area, such as a maze, in 2D and then turn it into a 3D computer game. The aim is to avoid the 'baddies' and collect 'treasure'.

#### What makes a good computer game?

A good game designer gives the player continuous challenges in a visually stimulating environment, each of which leads to another challenge, to keep the game challenging and fun.

#### Why is it important to continually evaluate your game?

Evaluating your game as you make it allows you to think about ways in which it can be improved. Evaluation may also involve the views of other people who play your game.



### Key Vocabulary & Images

#### Animation

Creating an illusion of movement.

#### Image

In this case, a picture displayed on the computer screen.

#### Texture

High frequency detail or colour information on a computer-generated graphic.

#### Computer game

A game played using a computer, typically a video game.

#### Instructions

Detailed information about how something should be done or operated.

#### Perspective

Representing three-dimensional objects on a two-dimensional surface to give the right impression of their height, width, depth, and position in relation to each other.

#### Customise

Modify (something) to suit an individual or task.

#### Interactive

Responding to a user's input on a computer or device.

#### Evaluation

The making of a judgement about the value of something.

#### Screenshot

An image of the data displayed on the screen of a computer or mobile device.

#### Playability

A measure of either the ease by which a video game may be played, or of the overall quality of its gameplay.



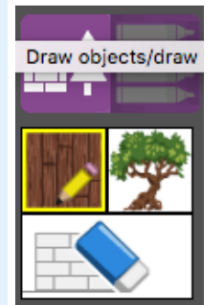
Open, close and share work



Change the settings of your game



Insert treasure into your game



Add images to your game



Insert enemies into your game



Drag to set the start position of your game



Play your game