

Final Outcome: We are working towards creating a detailed algorithm to get through a maze that uses multiple directional keys.

Component 4: Unit 1.4

What we will know after this sequence:

- How to change the background images in their chosen challenge
- How to save their own algorithm challenges
- How to try a peers' challenge as 2Dos
- How to set challenges for a peer

Vocabulary: background images, challenges, save, algorithms,

How will this feed into my next learning:

I will use my knowledge of background images to

SEN:

To have pictorial representations of the direction keys. To have checklist to support them saving/changing their own algorithms or setting one for a peer.



Component 3:

What we will know after this sequence:

- How to use the additional direction keys to create a new algorithm
- How to change and extend an algorithm lists
- How to add in additional directions into an algorithm
- How to create a longer algorithm to complete a challenge

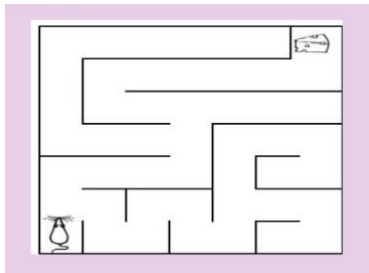
Vocabulary: direction keys, algorithm, extend, challenges, debug,

How will this feed into my next learning:

I will use my knowledge of directions keys and creating longer algorithms to explore how I can change background images in my algorithm.

SEN:

To have pictorial representations of the direction keys.



Component 2:

What we will know after this sequence:

- How to use diagonal direction keys to move the characters in the right direction
- How to create a simple algorithm
- What a algorithm is
- How to debug their own algorithm
- What the term debugging means

Vocabulary: algorithm, debug, diagonal direction keys, characters, instructions,

How will this feed into my next learning:

I will use my knowledge of algorithms and the direction keys to create a longer algorithm that uses multiple directions.

SEN:

To have pictorial representations of the direction keys. To have a jigsaw that is wrong and to fix it (debug) it to see the understanding of debugging.

Component 1: Unit 1.5

We should know:

What a keyboard is
What an instruction is and the importance of instructions being detailed so the end product is successful.
Directions and positional language.

What we will know after this sequence:

- How to use the direction keys on the keyboard
- What is meant by functionality
- How to use the direction keys to complete challenges successfully
- How to add a unit of measurement to a direction in 2Go

Vocabulary: directions, functionality, keys, keyboard, maze, challenge

How will this feed into my next learning:

I will use my knowledge of the direction keys to begin creating a simple algorithm using them.

SEN:

To have pictorial representations of the direction keys. To play a game on iPad prior to lesson to learn about using left and right keys.

