

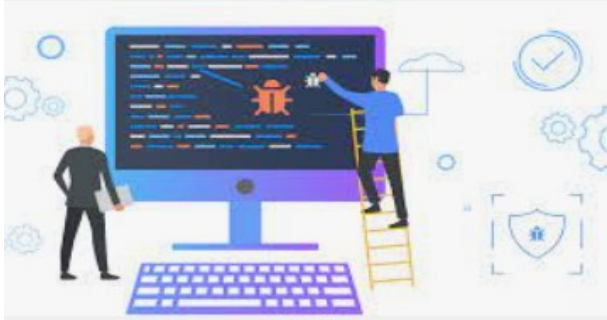
# Variables in games

## Construction

**Prior Knowledge**

Year 4:  
Programming repetition in shapes and programming repetition in games.

Year 5:  
Programming in physical computing and programming in selection in quizzes.



**My Component Knowledge:**

Lesson 1: I can identify examples of information that is variable.

Lesson 2: I can identify a program variable as a placeholder in memory for a single value.

Lesson 3: I can decide where in a program to change a variable.

Lesson 4: I can create algorithms for my project.

Lesson 5: I can create the artwork for my project.

Lesson 6: I can identify ways that my game could be improved.

**My Composite Knowledge:**

I can create an algorithm for my project and test it, debugging any issues.

**My Powerful Knowledge:**

I can identify variables that can be changed within my program and create an algorithm for my project.

**Key Vocabulary**

**Tier 1:**  
Design, test, set, change, value

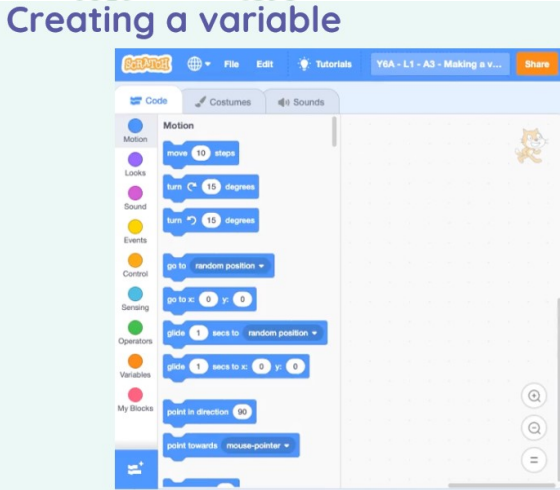
**Tier 2:** code, evaluate, improve

**Tier 3:**  
Algorithm, variables, program, debug, test

## What is programming?



### Creating a variable



## What is a variable?

