

# Lesson Plan

- Lesson 1: Learning Sequence
- Lesson 2: Learning Branch, Jump (), goto ()
- Lesson 3: Making decisions, Conditional – if ()  
then else ()
- Lesson 4: Fixing Errors, Bug and Debugging
- Lesson 5: Looping with repeat, bounded loops
- Lesson 6: Nested repeat - Loopy Loop
- Lesson 7: Understanding Functions

## *Bonus lessons*

- Lesson A: Introducing operations, greater, less than. Boolean - TRUE, FALSE
- Lesson B: Introducing Variable, string and numeric
- Lesson C: Nested repeat – Loop in Loop

## Lesson B: Introducing Variable, string and numeric

### Lesson Overview

Student will become familiar with variables, string and numeric in coding. Variables are like a container that store information, String holds chain of characters, numeric we introduce to integers and floating.

### Lesson Objective

Student will

- Assign the 'Bunny' variable different names.
- Understand how the strings in coding work.
- Get introduced to different numeric types such as integers and floating point numbers.

### Materials needed

- Dice, Bunny token, piece of paper, pencil

### Getting Started

- Take out the dice and the Bunny tokens
- Distribute one bunny to each student

### Activity

- Roll the dice, write the number. Complete the worksheet using the value of the variables like "Your\_name" , "Bunny\_name" , "Dice\_roll".

# B. Variable

In this section kids learn about variables and string

Read aloud



Variable	Value	Read aloud
Your_Name	"<your_name>"	
Bunny_Name	"Hopsy", "Flopsy" ...	
Dice_Roll	0,1,2,3	
Number_of_Code_Cards	0,1.....39,40	

What's your Name ?

1) Your\_Name = \_\_\_\_\_

Practice Exercise

What's your Bunnyz name ?

2) Bunny\_Name = \_\_\_\_\_

What's your Dice Roll?

3) Dice\_Roll = \_\_\_\_\_

Use of Variable/String

Hello World \_\_\_\_\_ !!  
  { "Your\_Name" }

You got \_\_\_\_\_ !! That's a nice bunny!  
                                { "Bunny\_Name" }

Your Dice score is \_\_\_\_\_  
  { "Dice\_Roll" }

Practice Exercise

Practice Exercise

Variables are like containers that take different values. Think about 3 examples of variables (e.g days\_of\_week, month\_of\_year, )

- 1)
- 2)
- 3)



Practice Exercise