



01

Topic

Conditional statements, loops, sprite communication, Events

Learning Outcome

Build an app to test the number on the basis of even and odd property

02

Topic

App components, Multiple sprite programming, logical operators

Learning Outcome

Build an app which represents our solar system

03

Topic

Events, Functions, Pen tool, Numbers

Learning Outcome

Build a game to create your own design using geometrical shapes

04

Topic

Intents, All events, Conditional loops

Learning Outcome

Design a game to see effect of friction on moving objects like car.

05

Topic

Game elements, GUI, Loops

Learning Outcome

Students will learn to make "guess the number" game

06

Topic

Events, forever loop, variables

Learning Outcome

Build an app to understand concept of distance by measuring distance between two sprites.

07

Topic

Broadcast statements, loops, sensing

Learning Outcome

Build a program to understand concept of circuit completion using mBlock.

08

Topic

Conditional statement, game elements, Events, Multiple sprites programming

Learning Outcome

Build your own racing game using mathematical addition properties

09

Topic

Wait statement, Functions, Recursive loops, GUI

Learning Outcome

Build a game to see effect of motion and time on sprite

10

Topic

While loop, operators, variables, Functions

Learning Outcome

Build an app to find out square and square root of any number

11

Topic

Coding extensions, For loop, Event, If...else commands

Learning Outcome

Build an app to represent data using graphs

12

Topic

Culmination 1

Learning Outcome

Students will create and present their project





13

Topic

IOT applications, GUI, broadcast, loops, Cloud database

Learning Outcome

Build an IOT based app to report real time weather data

14

Topic

Events, sensing blocks, conditional statements

Learning Outcome

Build an app which explain different parts of flower & it uses

15

Topic

Block creation, forever loop, Events, pen tool

Learning Outcome

Build a program which will make different 2D or 3D designs

16

Topic

Pen tool, loops, events handler

Learning Outcome

Build an application like paint app

17

Topic

Events, forever loop, variables, costumes, backpack

Learning Outcome

Build an app of calculator to solve all your arithmetical problems

18

Topic

Events, forever loop, variables, multiple sprite programming

Learning Outcome

Build an app of calculator to solve all your arithmetical problems

19

Topic

Conditional statement, game elements, Events, Multiple sprites programming

Learning Outcome

Build a game of pacman level 1 with advance gaming tool

20

Topic

Wait statement, Functions, Conditional statement, game elements, GUI

Learning Outcome

Build a game of pacman 2 with addition of game components

21

Topic

Conditional statement, game elements, Events, Multiple sprites programming

Learning Outcome

Add different parameters like life, golden dots in pacman game

22

Topic

Intents, All events, Conditional loops, machine learning blocks

Learning Outcome

Students will learn about concept of machine learning

23

Topic

App components, Multiple sprite programming, logical operators, data storing

Learning Outcome

Build an app for face detection system

24

Topic

Culmination 2

Learning Outcome

Students will create and present their project





25

Topic

Math functions, extensions, events, variables

Learning Outcome

Build a game using concept of probability

26

Topic

Events, sensing blocks, variables

Learning Outcome

Students will learn about reversible and irreversible changes

27

Topic

Block creation, forever loop, Events, pen tool

Learning Outcome

Learn how symmetry and reflection works through example

28

Topic

Mathematical functions, formulas, operators

Learning Outcome

Students will learn the math concept

29

Topic

Mathematical functions, formulas, operators

Learning Outcome

Students will learn the math concept

30

Topic

Block creation, forever loop, Events, pen tool

Learning Outcome

students will understand the concept of periodic table and elements of periodic table

31

Topic

My block creation, variables, loops motion

Learning Outcome

Make a game based on Newton's law of motion

32

Topic

My block creation, variables, loops motion

Learning Outcome

Build a game based on Newton's law of motion

33

Topic

AI related blocks, loops, Events

Learning Outcome

Students will learn about concept of AI and will build an app to recognize handwritten text

34

Topic

Coding extensions, For loop, Event, If...else commands, text to speech

Learning Outcome

Build an app to recognize your speech

35

Topic

AI blocks, TTS, sprite communication, Events

Learning Outcome

Build an AI based chatbot to answer your questions

36

Topic

Culmination 3

Learning Outcome

Students will create and present their project

