



BEGINNER CURRICULUM (GRADE 1)

Build full Entrepreneur-ready Games, Apps, Websites and AI/ML Models



Class 1-48

Game Design & Basic App Development

Class 49-96

Advanced Game Development and UI/UX Design

Class 97-144

Database and API Integration in Apps.

1

Story Telling and Animation

Students will learn basic programming constructs while designing a storyboard.

- ✓ Sequence
- ✓ Events
- ✓ Loops
- ✓ Keypress



SpaceTech: Lost Astronaut

Create a story board on space theme.

5

Interactive Gaming Apps

Students learn how to build apps having UI and User interaction.

- ✓ Mouse Events
- ✓ Event Trigger
- ✓ UI: Radio Buttons
- ✓ Keypress Events



How to train your dragon

Build a game which user can control using keys.

9

Database Management

Students will learn to access and update database through apps.

- ✓ Create DB
- ✓ View DB
- ✓ Internet Safety
- ✓ Queries: Edit, Update



Zoo Manager App

Design app to view and manage data stored in database.

2

Basic Game Development

Students will be introduced to commands and sequencing while making fun games.

- ✓ Binary Strings
- ✓ Basic Maths
- ✓ Conditionals
- ✓ Nested Loops



Wizard Spell and Bolts Game

Design a game from scratch.

6

Arcade Games

Students learn how to create complex motion and shooting games.

- ✓ STEM: Velocity
- ✓ Edge Detection
- ✓ Sprite Animation
- ✓ Sprite interaction



Alien Shooter And Meteor Attack

Design a Space Tech Game

10

Native Apps

Students will learn how to design native apps for mobiles.

- ✓ Thinkable
- ✓ Images
- ✓ UI/UX
- ✓ Text to Speech



My Personal Portfolio App

Design your own portfolio app.

3

Mobile App Development

Students will learn how to create basic clicker and catcher apps using block based code.

- ✓ Variables
- ✓ Logic Gates
- ✓ UI: Buttons
- ✓ App publishing



Catch that Bee

Create a multiscreen clicker catcher app

7

SpaceTech Simulation Apps

Students will learn how to build fun simulation apps.

- ✓ Arguments
- ✓ Functions
- ✓ Boolean Expressions
- ✓ Event Handling



Gravity Jump

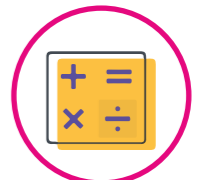
Design a space tech game app

11

Utility Apps

Students will learn to build various utility apps for mobile.

- ✓ Logical Thinking
- ✓ Geographical Maps
- ✓ Image Processing
- ✓ Money Management



Math App

Build an advanced native game app.

4

Basic GUI Apps

Students will learn to bring their imagination to digital screen using turtle programming.

- ✓ Debugging
- ✓ UI: Sliders, Dropdowns
- ✓ Shapes & Patterns



Drum Beat Pads

Design a rich GUI based app.

8

Never Ending Games

Students will learn how to build games and apps using arrays.

- ✓ Arrays
- ✓ Timed Loops
- ✓ Java Script
- ✓ Array Traversal



Horse Obstacle Game

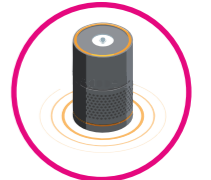
Design an interactive never ending game.

12

Chat Bot Apps

Students will learn to build knowledge chatbot which can answer all your questions.

- ✓ AI
- ✓ Astronomy
- ✓ Dialog Flow
- ✓ Structured Thinking



AI Chatbot

An intelligent chatbot which can answer all your questions on black holes.

