



# > DEBUGSBUNNY

## LITTLE CODERS (GRADE 1 & 2)

### Curriculum

Helps kids build skillset through which they can use block based format to build websites, apps & games

Course Duration - 120 Sessions

### Game Design and Basic App Development

Class 1-40

### Advanced Game Development and UI/UX Design

Class 41-80

### Database and API Integration in Application

Class 81-120

#### 1 Story Telling

Students will use their creativity while learning basic programming constructs to design a storyboard

- ✓ Drag and Drop
- ✓ Directions
- ✓ Sequence
- ✓ Conditionals

#### 2 Drawing

Little artists will be introduced concepts of Loops and functions to implement their choice of Drawing.

- ✓ Functions
- ✓ Advanced Sequencing
- ✓ Loops
- ✓ Coordinates

#### 3 Basic Game Development

Students would learn the skill of approaching and solving a problem while developing a game of their choice

- ✓ Debugging
- ✓ Variables
- ✓ Events
- ✓ Animation Effects

#### 4 Mobile App Development

Students will learn to bring their imagination to digital programming while learning turtle programming

- ✓ Basic Maths
- ✓ UI: Buttons & Labels
- ✓ Shapes & Patterns
- ✓ App Publishing

#### 5 Interactive Gaming Apps

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

- ✓ Event Handling
- ✓ Mouse Events
- ✓ KeyPress Events
- ✓ User Interaction

#### 6 Arcade Games

Students learn how to create complex motion and shooting games

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

#### 7 SpaceTech Simulation Apps

Students will learn how to create fun simulation apps

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

#### 8 Design Your Own Games

Students will learn how to build games of their choice

- ✓ Creative Thinking
- ✓ Build Your Own Character

#### 9 Database Management

Students will learn to access and update database through apps

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

#### 10 Native Apps

Students will learn how to design native apps for mobiles

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

#### 11 Utility Apps

Students will learn to build various utility app for mobile

- ✓ Logical Thinking
- ✓ Money Management

#### 12 Chat Bot Apps

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

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