



**Grade: HKG** 

## **Basic Programming** (Block Based Coding)

- **Course Includes** > Intro to Coding
- > Drag & Drop

> Sequencing

Level > Sprites & Characters > Motion

### Learning **Outcomes**

8



Basics of Mobile Tablet & Computers



Basics of Animation

## Course Curriculum (2023-24)

**Grade: 1 & 2** 

## **Basic Programming**

(Block Based Coding)

### **Course Includes**

- > Intro to Coding
- > Drag & Drop
- > Sprites & Characters
- > Motion & Sound
- Sequencing
- > Infinite Loops

# **Outcomes** Sessions





Mobile Tablet &



Basics of

## **Course Includes**

- > Safe Internet
- > Browsing

Level

- > Event Handling
- > Coordinate Plane
- Variables
- > Conditional Statements
- > Math Operators

## Learning



Basics of Computers



Animation

## Learning **12 Outcomes** Sessions



Internet Safety



Advanced Animation



Basic Game Development

## **Web App and Game Development**

(Block Based Coding)

## **Course Includes**

Level

- > Keyboard Controls > Scratch Extensions
- - > Functions
    - Video Sensing

> Translator

Text to Speech

### Learning **Outcomes**

20



Basics App Development



Advanced Game Development

- Medium of Instructions: Bilingual
  - (English-Hindi)/English
- Medium of Study Material: English
- Mode: Live Online
- Mentorship: One-On-One
- Visit Combos for Fee Benefits





Grade: 3 & 4

## **Basic Programming**

(Block Based Coding)

### **Course Includes**

- > Intro & Basics of Coding
- > Coordinate Plane
- Variables
- > Conditional Statements

## Learning **Outcomes**





Computer

8

12



Basics of Animation



**Basics Game** Development

### **Course Includes**

- > Safe Internet Browsing
- > Event Handling
- > Math Operators

Level

- > Keyboard Controls
- > Scratch Extensions: Pen Function
- > Video Sensing

## Learning **Outcomes**



Internet Safety



Advanced Animation



Advanced Game Development

## Web App and Game Development (Block Based and Text Based Coding)

### **Course Includes**

- > Actions of Sprites
- > Behavior of Sprites
- > Logic & Math Operators
- > Functions & Properties

### Learning **Outcomes**



Basic App Development



Advanced Game Development

### **Course Includes**

- > UI Controls
- Canvas
- > Drawing
- > Groups





## Learning Outcomes Sessions

**32** 

20



Advanced App Development



Advanced Game Development

## **Mobile App Development**

(Block Based Coding)

## **Course Includes**

- > Basic UI/UX Designing
- > Multi-Page Apps
- Working with Camera & Images
- > Integration of Sounds Algebraic Solver,
- > Working with Accelerometer sensors

> Google Maps Integration

and APK Creation of Apps

> Sensor Gaming and

> Firebase Integration

Cloud Variable

**Course Includes** 

Navigators

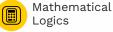
## Learning **Outcomes**



Camera Hardware



Working with **Images** 



Knowledge of Sensors

## Learning

**Outcomes** > Mobile app GUI Designing

Basics of UI/UX



Design Basic Knowledge



of sensors Basic Knowledge



of sensors



Basics of Cloud Computing

## **Course Includes**

- > Dynamic UI Designing in MIT APP
- Level

Level

Level

- Using Extensions
- > Understanding Sensors > Accellerometer,
  - proximity Sensor > Using Database
  - > Tiny DB

## Learning **Outcomes**

Interactive UI



Designing



Light & gravity based project



Storing Data for long Time

- Medium of Instructions: Bilingual (English-Hindi)/English
- Medium of Study Material: English
- Mode: Live Online
- Mentorship: One-On-One
- Visit Combos for Fee Benefits





**Grade: 5 & 6** 

## **Basic Programming** (Block Based Coding)

## **Course Includes**

- > Intro & Basics of Coding
- > Coordinate Plane
- Level
  - Variables
  - > Conditional Statements
  - > Keyboard Controls
  - > Scratch Extensions: Pen Functions
  - Video Sensing

## **Course Includes**

- > Safe Internet Browsing
- > Event Handling Level
  - > Action of Sprites > Behaviour of Sprites
  - > Logic & Math Operators
  - > Functions & Properties

## Learning **Outcomes**

8

12



- Basics of Animation
- Basics Game Development

- Learning **Outcomes**
- Internet Safety Advanced
- Animation Advanced Game

Development

## **Mobile App Development** (Block Based Coding)

### **Course Includes**

- > UI/UX Designing
- App Securities
- Virtual Musical Instruments

Level

Level

> Universal Language Detector

**Course Includes** 

> UI/UX Designing

> App Securities

> Virtual Musical

Instruments

Detector

> URL Identifier

> Advanced GUI

> Universal Language

designing Navigators > Google maps integration

Sensor gaming and

**API Integration** > Airtable integration Publishing and installation of apps

> URL Identifier.

### Learning **Outcomes**

# **12**



Working with Music



Passcodes Apps



Integration of

# Multiple Sensors

# 20

Design



**Outcomes** Advanced UI/UX



Third Party app integration



Extensive Knowledge of

Databases



Integration

of API

## **Course Includes**

- > Dynamic UI Designing in MIT APP
- > Using Extensions
- > Understanding Sensors
- > Accellerometer, proximity Sensor > Using Database
- > Tiny DB

## Learning **Outcomes**

Intractive UI Designing



Light & gravity based project

**32** 



Storing Data for long Time

## **Web App and Game Development**

(Block Based and Text Based Coding)

## **Course Includes**

- > Basics of Game Development
- Frames
- > Velocity and speed > Turtle programming
- > Screen switching

Learning

## Multiple Screen based Games

**Outcomes** Sessions

Understanding

relative motion

on characters

20

32

# **Course Includes**

- > Database Operations
- > HTML & CSS
- Strings
- > Lists & Arrays Frames > Dynamic UI Components

## Learning Outcomes Sessions



Permanent storing the Information



Designing the Web Pages



Advanced data types



## **Course Includes**

- > Basics of P5 platform
- > Push and Pop method > Playing with Canvas
- Understanding
- Geometrical Shapes > DOM elements
- > Working with video files
- > Nesting function
- > Classes and Objects
- > Game Creation

## Learning Outcomes Sessions



Basics of Object Oriented Programming



files in P5.js Visualization of Objects in

2D Space

Using Media



Medium of Study Material: English

- Medium of Instructions: Bilingual (English-Hindi)/English
- Mode: Live Online
- Mentorship: One-On-One

Visit Combos for Fee Benefits

## **Data Science and Al** (Text Based Coding)

## **Course Includes**

- > Basics of python
- Variables and their types > Branching and

conditional statements

- Level
  - Looping > Turtle programming

**Course Includes** 

> Functions in python

> external libraries > Sounds in python

> Lists in python

> Tuples

> Sets

Level

Dictonaries

## Learning

## Outcomes Sessions



Understanding Basic Concept of Python

Shape

12



generation using turtlle Solving problems



Learning

using python concept



Understanding advance concept of python



Using Sound

GUI based



Storing Data for Long time



## > Databses in python

- Bsics of AI and ML
- Numpy
- Pandas Matplotlib
- > Open Cv2 Level

# Learning

32 **Outcomes** 



Data science and Al Solving

Understanding



calculations Real time

complex



Data visulaitzations



Understanding Camera vision using Python





Grade: 7 & 8 (& above)

Level

Level

## **Basic Programming** (Block Based Coding)

## **Course Includes**

> Intro & Basics of Coding Coordinate Plane

Variables

Level

Level

- > Conditional Statements Keyboard Controls
- > Scratch Extensions: Pen Functions
- > Video Sensing

## **Course Includes**

- > Safe Internet Browsing
- > Event Handling
- > Action of Sprites > Behaviour of Sprites
- > Logic & Math Operators
- > Functions & Properties

## Learning **Outcomes**

8

12



- Basics of
- Animation

## Basics Game Development

# Learning

- **Outcomes**
- Internet Safety
- Advanced Animation
- Advanced Game Development

## **Mobile App Development** (Block Based Coding)

## **Course Includes**

- > UI/UX Designing
- > Search Engine and **Bookmarks**
- > Maps and Location
- > Sensor integration
- > Detection of objects
- > Voice Recognition

## Learning **Outcomes**







Integration of Hardware

# **Course Includes**

- > Mobile app UI/UX
- > Integration of JSON and third party API

> Multiple database

- integration > Publishing & Installation
- of Mobile Apps

## Learning **Outcomes**

20

**32** 

**12** 





Working with

## Advanced Cloud Computing

## **Course Includes**

- > Dynamic UI Designing in MIT APP
- > Using Extensions
- > Understanding Sensors > Accellerometer,
  - proximity Sensor > Using Database
  - > Tiny DB

## Learning **Outcomes**

Advanced UI/UX design



Third Party app integration



Knowledge of databases Integration of

**Web App and Game Development** (Block Based and Text Based Coding)

## **Course Includes**

- > Sprites and collisions
- > Frame Count and Frame Rate
- > X and Y Velocity
- > Sprite Groups

### 20 Learning Outcomes Sessions



Basic App Development

Motion and



collisions



Advanced Game Development

# **Course Includes**

## Database

Data Definition

Level

Level

- Language > Data Manipulation Language
- > HTML & CSS
- > Timed Looping
- > Dynamic GUI Array

## **Course Includes**

- > Nested Loop > Shape Generation
- **Function** > Capture and save
- images from Webcam > URL and JSON
  - > Sine Wave Formation,
  - > 3D Orientation > Functions of Matter.js,
  - > Physics Engine
  - Rendering

- Learning **32** Outcomes Sessions
- Advanced App Development
- Databases
- Dynamic programming

### Learning 32 Outcomes Sessions



3D Shape Creation



Physics Engine based Games



Graphics Animation

Complex



## **Data Science and Al**

(Text Based Coding)

## **Course Includes**

- > Basics of python
- > Variables & their types
- Branching & conditional statements

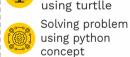
## Level

- Looping
- > Turtle programming

### 12 Learning Outcomes Sessions







# **Course Includes**

- Lists in python
- > Tuples > Dictionaries
- Sets Level
  - > Functions in python external libraries
  - > Sounds in python

## 20 Learning



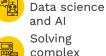


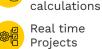


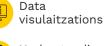
## **Course Includes**

- > Databses in python > Bsics of AI and ML
- Numpy
- > Pandas Matplotlib
- > Open Cv2 Level

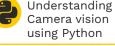
### **32** Learning Outcomes Sessions







Understanding



- Medium of Instructions: Bilingual (English-Hindi)/English
- Mode: Live Online
- Mentorship: One-On-One
- Visit Combos for Fee Benefits

Medium of Study Material: English

## Fee structure for session 2023-24

# BASIC PROGRAMMING (Block Based Coding)

Levels	Grades	No. of Session	Fee (Inc. of GST)	
Level-1	HKG to 8 (& above)	8	₹ 4,500	
Level-2	1 to 8 (& above)	12	₹ 6,500	
Combo	1 to 8 (& above)	8 + 12 = 20	₹ 10,000	

# MOBILE APP DEVELOPMENT (Block Based Coding)

Levels	Grades	No. of Session	Fee (Inc. of GST)	
Level-1	1 to 8 (& above)	12	₹ 6,500	
Level-2	1 to 8 (& above)	20	₹ 10,500	
Level-3	1 to 8 (& above)	32	₹ 16,000	
Combo	1 to 8 (& above)	12+20+32 = 64	₹ 29,500	

# WEB APP & GAME DEVELOPMENT (Block Based and Text Based Coding)

Levels	Grades	No. of Session	Fee (Inc. of GST)	
Level-1	1 to 8 (& above)	20	₹ 10,500	
Level-2	3 to 8 (& above)	32	₹ 16,500	
Level-3	5 to 8 (& above)	32	₹ 17,000	
Combo	5 to 8 (& above)	20+32+32=84	₹ 38,500	

# DATA SCIENCE & ARTIFICIAL INTELLIGENCE (Text Based Coding)

Level	Grades	No. of Session Fee (Inc. of G		
Level-1	5 to 8 (& above)	12	₹ 6,500	
Level-2	5 to 8 (& above)	20	₹ 10,500	
Level-3	5 to 8 (& above)	32	₹ 17,500	
Combo	5 to 8 (& above)	12+20+32=64	₹ 30,500	

# Avail the **COMBO** Benefits

Levels	Grades	No. of Session	Fee (Inc. of GST)	Combo Benefit
Basic Programming + Mobile App development	1 to 8 (& above)	84	₹ 38,500	₹ 5,500
Basic Programming + Web App & Game Development	5 to 8 (& above)	104	₹ 47,500	₹ 7,500
Mobile App development + Web App & Game Development	5 to 8 (& above)	148	₹ 65,000	₹ 12,000
Web App and Game Development + Data science & Artificial Intelligence	5 to 8 (& above)	148	₹ 65,500	₹ 13,000
Basic Programming + Mobile App Development + Web App & Game Development	5 to 8 (& above)	168	₹ 72,000	₹ 16,000
Basic Programming + Web App & Game Development + Data science & Artificial Intelligence	5 to 8 (& above)	168	₹ 72,500	₹ 17,000
Mobile App development + Web App & Game Development + Data science & Artificial Intelligence	5 to 8 (& above)	212	₹ 90,000	₹ 21,500
Basic Programming + Mobile App Development + Web Development + Data Science & Artificial Intelligence	5 to 8 (& above)	232	₹1,00,000	₹ 22,500

**Block Your Seat at:** https://theintellibrain.com/coding-for-kids









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