Why should Kids learn Coding?

Critical Thinking

Problem Solving

Logical Reasoning

Decision Making

Coding Develops

Creator Mindset

Algorithmic Thinking

Tech Savviness

Intelligence Quotient
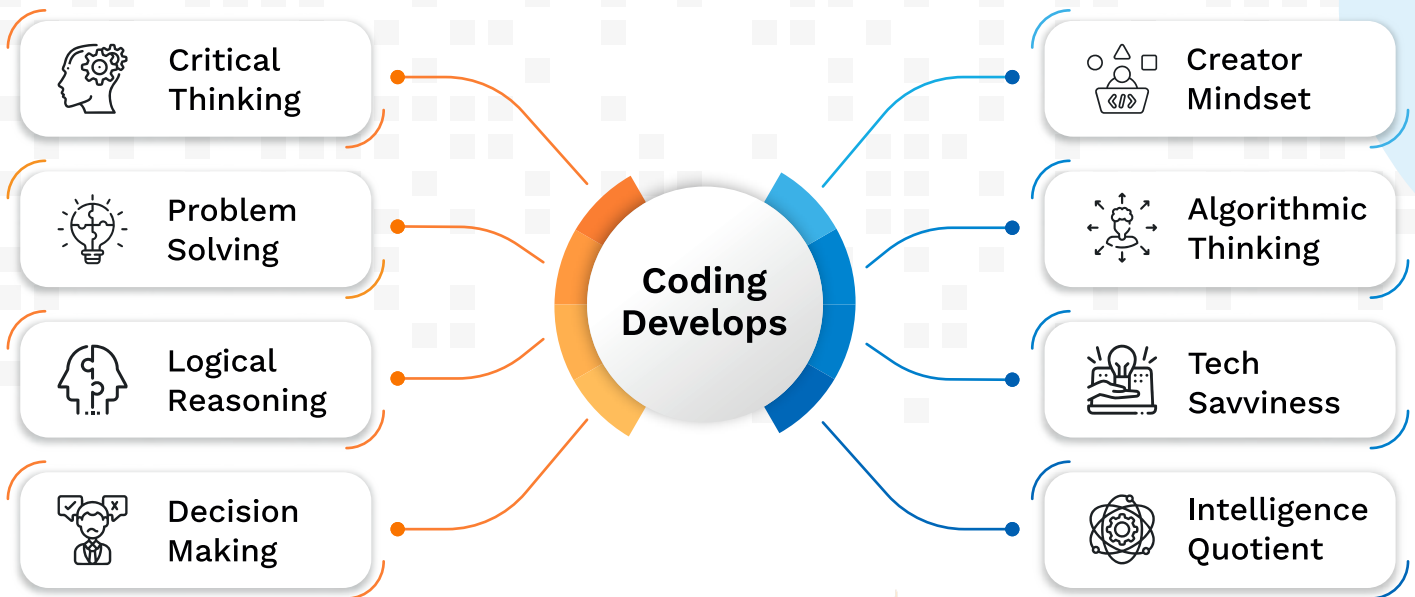
When should Coding be taught?

Research shows that the ability to learn any language declines over the years!

Language is a mode of communication that has been passed on from generation to generation. In the modern world of Robotics and AI, Coding is the new language used.

Ability to Learn Language

High

Language Learning Ability

Low

Native | 3-7 | 8-10 | 11-15 | 17-39
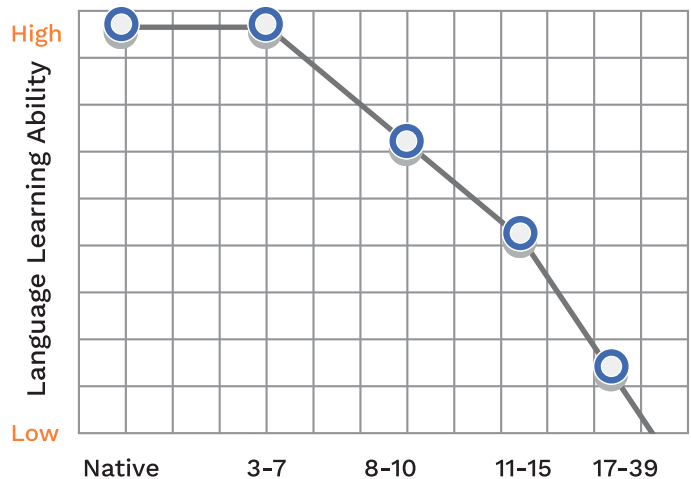
Source: Dr. Paul Thompson, Neurologist, University of California

Inside ALLEN IntelliBrain Coding Class

50 min class-flow

01 Recognizing a problem

02 Ideation around the problem

03 Identifying a solution

04 Choosing a suitable platform

05 Understanding features of the platform

06 Designing of the solution

07 Hands-on activities for logic building

08 Relating it with real-life

09 Coding It

10 Testing for an ideal output

11 Feedback & review

12 Problem for solving before the next class

Why is ALLEN the best choice?

● ● ● Seamless Learning

Live Online Classes

Grade-wise NEP mapped curriculum

Course integration with academics

Bilingual Medium (English-Hindi)/ English

● ● ● Expert Teaching

Classes by Coding Experts

Real-life Application based learning

Guidance for Olympiads

Advanced Study Material

● ● ● Personalized Support

One-on-One Mentorship

Flexible Class Schedule

Dedicated Counsellor

Quick Doubt Support

● ● ● Performance Mapping

Regular Assessments

Parent Teacher Meetings

Detailed Student Progress Report

Level-wise Certification

Course Curriculum (2023-24)

Grade: HKG

Basic Programming
(Block Based Coding)

Level 1

Course Includes
- Intro to Coding
- Drag & Drop
- Sprites & Characters
- Motion
- Sequencing

Learning Outcomes — **8 Sessions**
- Basics of Mobile Tablet & Computers
- Basics of Animation

Grade: 1 & 2

Basic Programming
(Block Based Coding)

Level 1

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

Learning Outcomes — **8 Sessions**
- Basics of Mobile Tablet & Computers
- Basics of Animation

Level 2

Course Includes
- Safe Internet Browsing
- Event Handling
- Coordinate Plane
- Variables
- Conditional Statements
- Math Operators

Learning Outcomes — **12 Sessions**
- Internet Safety
- Advanced Animation
- Basic Game Development

Web App and Game Development
(Block Based Coding)

Level 1

Course Includes
- Keyboard Controls
- Scratch Extensions
- Functions
- Video Sensing
- Text to Speech
- Translator

Learning Outcomes — **20 Sessions**
- Basic App Development
- Advanced Game Development

Course Curriculum (2023-24)

Grade: 3 & 4

Basic Programming
(Block Based Coding)

Level 1

Course Includes
- Intro & Basics of Coding
- Coordinate Plane
- Variables
- Conditional Statements

Learning Outcomes — **8 Sessions**
- Computer Basics
- Basics of Animation
- Basic Game Development

Level 2

Course Includes
- Safe Internet Browsing
- Event Handling
- Math Operators
- Keyboard Controls
- Scratch Extensions: Pen Function
- Video Sensing

Learning Outcomes — **12 Sessions**
- Internet Safety
- Advanced Animation
- Advanced Game Development

Mobile App Development
(Block Based Coding)

Level 1

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

Learning Outcomes — **12 Sessions**
- Camera Hardware
- Working with Images
- Mathematical Logics
- Knowledge of Sensors

Level 2

Course Includes
- Mobile app GUI Designing
- Navigators
- Google Maps Integration
- Sensor Gaming and Cloud Variable
- Firebase Integration and APK Creation of Apps

Learning Outcomes — **20 Sessions**
- Basics of UI/UX Design
- Basic Knowledge of sensors
- Knowledge of Databases
- Basics of Cloud Computing

Level 3

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

Learning Outcomes — **32 Sessions**
- Interactive UI Designing
- Light & gravity based project
- Storing Data for long Time

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

Level 1

Course Includes
- Actions of Sprites
- Behavior of Sprites
- Logic & Math Operators
- Functions & Properties

Learning Outcomes — **20 Sessions**
- Basic App Development
- Advanced Game Development

Level 2

Course Includes
- UI Controls
- Canvas
- Drawing
- Groups

Learning Outcomes — **32 Sessions**
- Advanced App Development
- Advanced Game Development

Course Curriculum (2023-24)

Grade: 5 & 6

Basic Programming
(Block Based Coding)

Level 1 — 8 Sessions

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

Learning Outcomes
- Computer Basics
- Basics of Animation
- Basic Game Development

Level 2 — 12 Sessions

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

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

Mobile App Development
(Block Based Coding)

Level 1 — 12 Sessions

Course Includes
- UI/UX Designing
- App Securities
- Virtual Musical Instruments
- Universal Language Detector
- URL Identifier.

Learning Outcomes
- Working with Music
- Passcodes Apps
- Integration of Multiple Sensors

Level 2 — 20 Sessions

Course Includes
- UI/UX Designing
- App Securities
- Virtual Musical Instruments
- Universal Language Detector
- URL Identifier
- Advanced GUI designing Navigators
- Google maps integration
- Sensor gaming and API Integration
- Airtable integration Publishing and installation of apps

Learning Outcomes
- Advanced UI/UX Design
- Third Party app integration
- Extensive Knowledge of Databases
- Integration of API

Level 3 — 32 Sessions

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
- Storing Data for long Time

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

Level 1 — 20 Sessions

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

Learning Outcomes
- Understanding relative motion on characters
- Multiple Screen based Games

Level 2 — 32 Sessions

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

Learning Outcomes
- Permanent storing of Information
- Designing the Web Pages
- Advanced Data types

Level 3 — 32 Sessions

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
- Basics of Object Oriented Programming
- Using Media files in P5.js
- Visualization of Objects in 2D Space

Data Science and AI
(Text Based Coding)

Level 1 — 32 Sessions

Course Includes
- Basics of python
- Variables & their types
- Branching & conditional statements
- Looping
- Turtle programming
- Lists, Tuples, Dictionaries & Sets in Python
- Functions in Python
- external libraries
- Sounds in Python

Learning Outcomes
- Understanding Basic Concept of Python
- Shape generation using turtlle
- Solving problem using python concept
- GUI based projects
- Using Sound
- Storing Data for Long time

Level 2 — 32 Sessions

Course Includes
- Databses in Python
- Bsics of AI and ML
- Numpy
- Pandas
- Matplotlib
- Open Cv2

Learning Outcomes
- Understanding Data science and AI
- Solving complex calculations
- Realtime Projects
- Data visulaitzations
- Understanding Camera vision using Python

Course Curriculum (2023-24)

Grade: 7 & 8 (& above)

Basic Programming
(Block Based Coding)

Level 1 — 8 Sessions

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

Learning Outcomes
- Computer Basics
- Basics of Animation
- Basic Game Development

Level 2 — 12 Sessions

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

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

Mobile App Development
(Block Based Coding)

Level 1 — 12 Sessions

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

Learning Outcomes
- Detection of Objects & Voice
- Location & Maps
- Search Engines
- Integration of Hardware

Level 2 — 20 Sessions

Course Includes
- Mobile app UI/UX
- Integration of JSON and third party API
- Multiple database integration
- Publishing & Installation of Mobile Apps

Learning Outcomes
- Interactive UI/UX design
- Working with Sensors
- Advanced Cloud Computing

Level 3 — 32 Sessions

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
- Extensive Knowledge of databases
- Integration of API

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

Level 1 — 20 Sessions

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

Learning Outcomes
- Basic App Development
- Motion and collisions
- Advanced Game Development

Level 2 — 32 Sessions

Course Includes
- Database
- Data Definition Language
- Data Manipulation Language
- HTML & CSS
- Timed Looping
- Dynamic GUI
- Array

Learning Outcomes
- Advanced App Development
- Databases
- Dynamic programming

Level 3 — 32 Sessions

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 Outcomes
- 3D Shape Creation
- Physics Engine based Games
- Complex Graphics Animation

Data Science and AI
(Text Based Coding)

Level 1 — 32 Sessions

Course Includes
- Basics of python
- Variables & their types
- Branching & conditional statements
- Looping
- Turtle programming
- Lists, Tuples, Dictionaries & Sets in Python
- Functions in Python
- external libraries
- Sounds in Python

Learning Outcomes
- Understanding Basic Concept of Python
- Shape generation using turtlle
- Solving problem using python concept
- GUI based projects
- Using Sound
- Storing Data for Long time

Level 2 — 32 Sessions

Course Includes
- Databses in Python
- Bsics of AI and ML
- Numpy
- Pandas
- Matplotlib
- Open Cv2

Learning Outcomes
- Understanding Data science and AI
- Solving complex calculations
- Realtime Projects
- Data visulaitzations
- Understanding Camera vision using Python

Fee structure for Session 2023-24

BASIC PROGRAMMING
(Block Based Coding)

Levels	Grades	No. of Sessions	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 Sessions	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 Sessions	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 Sessions	Fee (Inc. of GST)
Level-1	5 to 8 (& above)	32	₹ 17,000
Level-2	5 to 8 (& above)	32	₹ 17,500
Combo	5 to 8 (& above)	32+32=64	₹ 30,500

Avail the COMBO Benefits

Levels	Grades	No. of Sessions	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

☎ +91-744-3510255 ⬤ 83067-80555

ALLEN Intelli Brain®
Experiential Experimental Edutaining

A Unique Childhood Development Initiative by

ALLEN CAREER INSTITUTE KOTA (RAJASTHAN)
path to success

📍 SAMANVAYA, C-210/2, Talwandi, Kota (Rajasthan)-324005