



# Education path

Our Coding courses are designed for educational purposes with fun oriented teaching process. We have a path for children to get Certifications and to achieve Advance Placement (AP) Certificate

Moddules

#### Advanced Intermediate Intro Python Java / Mobile Grades K-5 •Grades 6-8 •Grades 11 -12 •Grades 5 - 7 •Grades 9 -12 •Java Based AP Certification Certification **Program** Advance Programming / Javascript Placement HTML 1 - 1.5 years 1 – 1.5 years 1 – 1.5 years 1 year 6months - 1 year

# Block Programming:

Curriculum is made up of a series of learning modules using drag and drop mechanism by leveraging block programming. Topics include Functions, If Statements, For & While Loops and Project

### HTML / CSS

Learn to build creative web pages through HTML & applying styles using CSS.

## Python:

It is a stepping stone that can be applied in the study of any other programming language. Topics include Turtle Graphics, Fundamentals, Control Flow, Strings, regular expressions, Lists, Arrays, Classes & Objects & Project

### JavaScript:

Students learn the fundamentals of programming with an emphasis on problem solving and logical thinking. Topics include Basic Graphics, Variables, Boolean, Control Structures, Functions with Event Capture, Animation & Games, Arrays, Lists, Sets & Project

#### JAVA:

AP Java course is designed to help students pass the College Board AP Computer Science A Exam.

Topics Include: Commands,
Methods, Control Flow, Classes,
Looping, Variables, Expressions, I/O,
Casting, String, Errors & Exceptions,
Methods, Classes, Arrays, Lists,
Maps, Algorithms & Recursion:
Search, Sort, Merge, Recursion, AP
Test Practice & Project

### **Computer Science Principles:**

Newest AP® course from the College Board. Students learn and prepare for the Advance Placement Computer Science Principles exam.

Topics Include: Web Development, Intro to Programming, Basic JavaScript, Digital Information: Encoding, Compressing and Encryption, Internet: Protocols, algorithms used in Internet & Cyber security