



Codingal

Codingal curriculum is tailored for K-12 children and complements their learnings at school by allowing them to use coding to develop a deeper understanding various subjects and concepts. This makes coding a learning-aid and makes the learning process fun and interactive.

Our curriculum is designed to inspire children to create through code. A practice that has been proven to develop a child's creativity, logical thinking and problem-solving skills.

Our curriculum combines the power of code with STEAM (Science, Technology, Engineering, Arts and Maths) education. This unique pedagogic approach encourages children to apply their learnings at school and their coding skills to solve real-world problems.

Curriculum designed to make kids love coding

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Codingal's demo class helped me develop a keen interest in coding. So I decided to learn app and web development. Coding is now super fun for me, and it has improved my thinking and logical skills.

Dishita Karkare

Grade 5 | Bengaluru, India



My journey with Codingal started a few weeks ago. My teacher is very nice and understanding. She even gives me assignments to help me understand the concepts. I'm really excited about learning more about coding with Codingal.

Abdul Hannan

Grade 3 | Nigeria



The teachers are friendly and my son is able to understand the concepts easily. In just three classes, he was able to create basic steps in a program used to make animations. I think Codingal can help him grow and understand how to progress in a field which is much-needed nowadays and will be even more so in the future.

Mr. Samar Shareef

Abuja Nigeria

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What your kid will learn

20 classes

Rising Coding Star

An ideal course to help kids quickly grasp the basics of coding and start writing code using blocks.

~~₹ 16,000~~
60+ Activities
3 Quizzes **₹ 14,400**

10% Fampay discount

- ✓ Block-based coding
- ✓ Sequencing, algorithms, flowcharts
- ✓ Run-time inputs
- ✓ Time and direction
- ✓ Coordinates and cardinal points
- ✓ Scratch programming
- ✓ Application development
- ✓ Sprite Lab, App Lab, Minecraft

Rising Coding Star Certificate
 Lifetime community access

[View curriculum ↓](#)

44 classes *Most Popular*

Coding Champion

A course to advance your coding skills and build a deeper understanding of complex coding concepts.

~~₹ 33,000~~
100+ Activities
7 Quizzes **₹ 29,700**

10% Fampay discount

- ✓ All Rising Coding Star learnings +
- ✓ Basic and advanced loops
- ✓ Conditional statements
- ✓ Animation effects
- ✓ Variables and data types
- ✓ Interlinking and duplicacy
- ✓ Arithmetic operators
- ✓ Scratch game development

Coding Champion Certificate
 Game development certificate
 Lifetime community access

[View curriculum ↓](#)

92 classes *Most Valuable*

Coding Prodigy

A perfect course for kids who want to excel at coding and build complex games and applications.

~~₹ 64,400~~
184+ Activities
15 Quizzes **₹ 57,600**

10% Fampay discount

- ✓ All Coding Champion learnings +
- ✓ UI designing
- ✓ Advanced game development
- ✓ Andriod application development
- ✓ Artificial intelligence
- ✓ Nested loops
- ✓ Debugging
- ✓ Functions, parameters

Coding Prodigy Certificate
 Game, app development certificates
 Scholarships for top five performers
 Lifetime community access

[View curriculum ↓](#)

152 classes

Coding Grandmaster

A course for those who want to master the art of coding and create a better future through code.

~~₹ 98,800~~
450+ Activities
25 Quizzes **₹ 88,920**

10% Fampay discount

- ✓ All Coding Prodigy learnings +
- ✓ Advanced Andriod app development
- ✓ Website development
- ✓ Bootstrap
- ✓ Wordpress
- ✓ Advanced JavaScript
- ✓ Python Development
- ✓ Game development using Python

Coding Grandmaster Certificate
 Python development certificate
 AI game developer certificate
 Scholarships for top five performers
 Lifetime community access

[View curriculum ↓](#)

Rising Coding Star

<u>Classes</u>	<u>Skill level</u>	<u>Price</u>
20	Beginner	₹16,000
<u>Activities</u>	<u>Age group</u>	₹ 14,400
60+	Grade 1-3	<u>10% Fampay discount</u>
<u>Quizzes</u>		
3+		



Key learnings

- Sprite Lab (code.org)
- Play Lab (code.org)
- Artist (code.org)



Benefits

- Foundation of coding
- Logic building
- Code flow, methodology
- Game development



Achievements

- Rising Coding Star Certificate
- Lifetime community access

Module	Theme	Topics Covered	Outcome
M1 (8 Classes)	Block-based programming	Drag-and-drop function, block-based coding, commands, sequencing, events, time and direction, sounds	Students will learn basic programming constructs including commands and sequences. They'll get familiar with drag-and-drop functions, sprites, and code blocks in Sprite Lab. They will also understand and use the concept of time and direction with the help of various exercises.
M2 (6 Classes)	Events, direction, location, orientation, comments, critical analysis	Events, locations, orientation, conditional statements, critical thinking, comments, print statements, measures, and logic building	Students will use events in different ways and understand the application of time and direction with the help of various activities. They will learn about rotation and work with geometric angles and pixels. They will also start writing more structured code and understand the use of comments.
M3 (6 Classes)	Loops, variables and operators	Understanding loops, variables, declaration, initialisation, addition and subtraction operators	Students will be introduced to Play Lab and start using variables and arithmetic operators in different projects. They will develop an understanding of loops and will be performing various operations using them. This module is designed to help students improve their mathematical and reasoning skills.

Rising Coding Star

<u>Classes</u>	<u>Skill level</u>	<u>Price</u>
20	Intermediate	₹16,000
<u>Activities</u>	<u>Age group</u>	₹ 14,400
60+	Grade 4-5	<u>10% Fampay discount</u>
<u>Quizzes</u>		
3+		



Key learnings

- Sprite Lab (code.org)
- Play Lab (code.org)
- Minecraft (code.org)
- App Lab (code.org)



Benefits

- Foundation of coding
- Game development
- Logic building
- Code flow and methodology



Achievements

- Rising Coding Star Certificate
- Lifetime community access

Module	Theme	Topics Covered	Outcome
M1 (8 Classes)	Block-based programming	Drag and drop function, block coding, commands, sequencing, algorithms, events, time and direction sense, and logic building	Students will learn basic programming constructs and get comfortable with commands, sequencing, drag-and-drop functions. They will also use the concept of time and direction and will improve their logical thinking by working on various Scratch projects. They will be building a ‘Save the World’ project at the end of the module.
M2 (6 Classes)	App Lab - I	Build a fully-functioning app with buttons, understand functions and random numbers, build a basic clicking app, understand basics of Javascript	Students will learn how to design and build applications with user interface and interaction. They will develop a deeper understanding of how apps are made and how they work. They'll learn basics of Javascript and learn to build basic clicking apps.
M3 (6 Classes)	App Lab - II	Functions, canvas, turtle and advanced concepts of Javascript in App lab	Students will continue their journey as an app developer with hands-on experience building apps. Students will be introduced to functions, canvas , turtle and some advance concepts of JavaScript. They will develop apps that can be shared and used on a smartphone. They will understand the role of programmers in understanding the requirements and programming a solution.

Rising Coding Star

<u>Classes</u>	<u>Skill level</u>	<u>Price</u>
20	Advanced	₹16,000
<u>Activities</u>	<u>Age group</u>	₹ 14,400
60+	Grade 6-8	<u>10% Fampay discount</u>
<u>Quizzes</u>		
3+		



Key learnings

- Sprite Lab (code.org)
- Play Lab (code.org)
- App Lab (code.org)
- Minecraft (code.org)



Benefits

- Foundation of coding
- Game development
- Logic building
- Code flow and methodology



Achievements

- Rising Coding Star Certificate
- Lifetime community access

Module	Theme	Topics Covered	Outcome
M1 (8 Classes)	Game Development - I	Introduction to Game Lab, sprite interactions, shape drawing, randomization, introduction to JavaScript, and more	In this module, students will be introduced to Game Lab and will become familiarized with JavaScript programming by creating animations and games. They will also learn sprite control, theme development, and conceptualization.
M2 (6 Classes)	Game Development - II	Draw loops, pattern creation and sprite movements, conditionals and predictinals	In this module, students will learn functional programming in games and use complex modules such as velocity detection, collision detection, sprite interaction, etc.
M3 (6 Classes)	Basic Scratch	Introduction to Scratch, events, coordinate, creating sprites	Students will learn Scratch programming and will build various games using the basic concepts of coding such as loops and conditionals. Through this module, they will also develop their problem solving skills and logical development.



Rising Coding Star

<u>Classes</u>	<u>Skill level</u>	<u>Price</u>
20	Advanced	₹16,000
<u>Activities</u>	<u>Age group</u>	₹ 14,400
60+	Grade 9-10	<u>10% Fampay discount</u>
<u>Quizzes</u>		
3+		



Key learnings

- HTMS
- CSS
- Bootstrap



Benefits

- Building Web Pages
- CSS Properties, Best Practices
- Full Bootstrap



Achievements

- Rising Coding Star Certificate
- Lifetime community access

Module	Theme	Topics Covered	Outcome
M1 (8 Classes)	Fundamentals of HTML	HTML and CSS syntax, HTML document structure, CSS selectors, properties, and values. Writing CSS, code commenting in HTML and CSS, building your first web page. Semantics of HTML, block and inline elements, nesting of elements, text elements, structure elements, hyperlinks, lists, image, video, audio elements, iframe elements, tables, forms, HTML best practices, and creating a basic multi-page website	Building Web Pages
M2 (6 Classes)	Fundamentals of CSS	Embedding CSS in HTML, comments in CSS, svg, web storage, cascading effect, specificity, layering selectors, colors. Lengths, typography, backgrounds and gradients. CSS resets, CSS best practices, the box model, positioning with floats, positioning with inline-blocks, transform	CSS Properties and Best Practices
M3 (6 Classes)	Bootstrap	Get started with Bootstrap containers, grid basics, typography, colors, badges, progress Bars, spinners, pagination, carousel, scrollspy, Bootstrap grid, grid system, stacked/horizontal, grid xsmall, grid small, grid medium, grid large, grid xlarge, grid examples	Full Bootstrap

Rising Coding Star

<u>Classes</u>	<u>Skill level</u>	<u>Price</u>
20	Advanced	₹16,000 ₹14,400
<u>Activities</u>	<u>Age group</u>	
60+	Grade 11-12	10% Fampay discount
<u>Quizzes</u>		
3+		



Key learnings

- Python
- Data types
- GUI



Benefits

- Python basics
- Python applications
- Data science



Achievements

- Rising Coding Star Certificate
- Lifetime community access

Module	Theme	Topics Covered	Outcome
M1 (8 Classes)	Introduction to Python, data types, conditionals, loops, graphic user interface (GUI)	Python basics	Students will learn the basics of Python with the help of different activites. They will learn about data types, conditionals and loops and functions. In addition they will also create patterns using turtle. Students will also learn about the basics of graphic user interfaces (GUI).
M2 (6 Classes)	Game Development with Python	Classes, libraries, NumPy, PyGame, file handling	In this module, students will go deeper into Python and apply their learning to develop a game. They will be creating GUI-based games using PyGame. They will also learn about file handling in Python.
M3 (6 Classes)	Data science	Matplotlib library, solving real-world problems with graphical representation, linear regression, statistics	Students will learn to work with data. They will learn to plot and represent data in different forms. They will be introduced to linear regression and Matplotlib library.



Is your child ready for the future?
Start their coding journey with Codingal

Got questions?
Contact us anytime.

Send us a message

 support@codingal.com

Call us

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