



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.

© 2020 Codingal. Built with ❤️ in India.

Kids and parents love us

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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

Grade 11-12

20 classes

Rising Coding Star

An ideal course to help kids quickly grasp the basics of Python and boost their problem-solving skills.

60+ Activities
3 Quizzes

₹ **800**
per class

- ✓ Introduction to Python
- ✓ Creating patterns with turtle
- ✓ Graphic User Interface (GUI)
- ✓ Conditionals
- ✓ Functions
- ✓ Loops
- ✓ Game development
- ✓ Data science

- 🏆 Rising Coding Star Certificate
- 🏆 Lifetime community access

44 classes

Coding Champion

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

100+ Activities
7 Quizzes

₹ **750**
per class

- ✓ **All Rising Coding Star learnings +**
- ✓ HTML, CSS
- ✓ JavaScript
- ✓ Python
- ✓ SQL, PHP
- ✓ Loops and conditionals
- ✓ Website development
- ✓ Data analytics

- 🏆 Coding Champion Certificate
- 🏆 Game development certificate
- 🏆 Lifetime community access

Most Popular

92 classes

Coding Prodigy

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

184+ Activities
15 Quizzes

₹ **700**
per class

- ✓ **All Coding Champion learnings +**
- ✓ Java basics and advanced
- ✓ SQL and PHP
- ✓ Data structures and algorithms
- ✓ Artificial intelligence
- ✓ Machine learning
- ✓ Neural networks
- ✓ Capstone project

- 🏆 Coding Prodigy Certificate
- 🏆 Game, app development certificate
- 🏆 Scholarships for top five performers
- 🏆 Lifetime community access

Most Valuable

Rising Coding Star

Classes

20

Activities

60+

Quizzes

3+

Skill level

Advanced

Age group

Grade 11-12

Price

₹ 800

per class



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.

Coding Champion

Classes

44

Activities

100+

Quizzes

7+

Skill level

Advanced

Age group

Grade 11-12

Price

₹750

per class



Key learnings

- Python
- HTML
- CSS
- JavaScript



Benefits

- Game development
- Website development
- Data science
- Logical thinking
- Critical analysis



Achievements

- Coding Champion Certificate
- Lifetime community access
- Internship opportunity

Modules	Themes	Topics Covered	Outcome
All Rising Coding Star modules +			
M4 (6 Classes)	Data analytics	Importing datasets, data wrangling, exploratory data analysis, model development	Students will learn about the different ways to analyse data and will analyse data using various libraries in Python.
M5 (6 Classes)	Website development	HTML tags including table, div, span, forms, media and CSS, CSS animations, JavaScript	Students will learn to develop the frontend of webpages using HTML tags such as table, form, media, iframe and CSS. They will also learn about CSS animation and use of JavaScript in development of web pages.
M6 (6 Classes)	SQL, PHP	Database creation, tables, INSERT, SELECT, Order by, UPDATE, PHP concepts including forms handling, loops and conditionals	Students will learn about handling data, creating database in SQL. They will also be introduced to PHP, where they will learn about form handling, syntax, loops, and conditional statements.
M7 (6 Classes)	Advanced website development	Integration of HTML, JavaScript, Python, Flask, linking database using PHP and SQL	Students will advance in their web development journey by creating webpages with the help of Python library Flask. They will also learn about linking databases to a website using PHP and SQL.

Coding Prodigy

Classes

92

Activities

184+

Quizzes

15+

Skill level

Advanced


Age group

Grade 11-12

Price


₹700

per class




Key learnings

- Java
- SQL, PHP
- Artificial intelligence
- Machine learning
- Neural networks



Benefits

- Conceptual clarity
- Analytical skills
- Confidence boost
- App development
- Capstone project



Achievements

- Coding Prodigy Certificate
- Lifetime community access
- Scholarship opportunities
- Goodies

Modules	Themes	Topics Covered	Outcome
All Coding Champion modules +			
M8 (6 Classes)	Java - Basics	Data types, loops, typecasting, switch, if-else, methods, method overloading	Students will start the with language of possibilities i.e. Java. They will learn data types, loops and conditonals in Java. They will also learn about the concepts of methods and method overloading.
M9 (6 Classes)	Java - Advanced	Classes, constructors, encapsulation, inheritance, polymorphism, abtraction, file Handling	Students will move further in Java by learning advanced concepts including abstraction, creating and importing their own library, and more. They will also learn about file handling in Java.
M10 (6 Classes)	Application development	Linking of SQL databases using Java, PHP	Students will learn about app development. They will be creating applications with Java and will learn about linking databases using SQL.
M11 (6 Classes)	Data structures and algorithms (DSA)	Data structure, trees, sorting and memory allocation, Dijkstra’s and encrpytion algorithms	Students will learn about the most important concept of programming i.e. data structures and algorithm (DSA). They will also work on different sorting algorithms and solve the shortest path algorithm.

Coding Prodigy

Modules	Themes	Topics Covered	Outcome
M12 (6 Classes)	Artificial intelligence (AI)	Machine learning, binary classification, algorithms in machine learning, logistic regression, derivatives, vectorisation	In this module, students will learn about artifical intelligence. They will get an insight into machine learning and learn about binary classification, logistics regression, derivatives, and more.
M13 (6 Classes)	Machine learning (ML)	Supervised learning, data classification using supervised learning	Students will learn more about machine learning and the different types of machine learning such as supervised learning, unsupervised learning, and reinforcement learning. They will also learn about data classification using supervised learning.
M14 (6 Classes)	Neural networks	Neural networks, natural language processing (NLP), word prediction, Bag of Words	Students will learn about neural networks and natural language processing (NLP). They will work on word prediction, Bag of Words.
M15 (6 Classes)	Capstone project	Create a Chatbot	To wrap up this module, students will use all their course learnings and gain professional hands-on experience by creating their own chatbot.

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

☎ [+91 6361 158952](tel:+916361158952)