

Hello! Young Coders

Get ready to fall in love with AI & coding



About Codingal

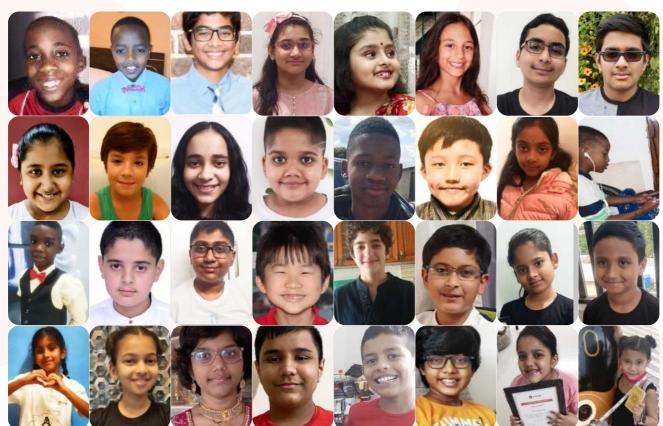
Our Mission: To inspire kids and teens to fall in love with AI & coding

Codingal is a leading online after-school where kids & teens learn AI & coding from expert instructors through live, interactive classes. Our mission is to build the world's largest & most loved programming school for kids & teens, powered by human & Al tutors.

All our instructors come from Computer Science background, and they are rigorously vetted and trained. Every student gets a personalized learning path and individual attention in 1:1 private classes or small group classes with expert instructors. Students learn by building apps, games, animations, and websites in a fun & engaging way.

Kids find Codingal very fun & engaging. They have rated teachers at 4.9 out of 5. Curriculum content is rated at 4.8 out of 5.

Codingal is on a mission to inspire kids to fall in love with Al & coding, and provide the right education to them who will be able to create anything they can imagine and build the future when they grow up to become entrepreneurs, engineers, and scientists.









Founder's Note





Teaching coding and AI to kids is a profound responsibility. Our dedicated educators and meticulously crafted curriculum reflect our deep understanding and commitment to nurturing future innovators.

Vivek Prakash

Co-founder & CEO B.Tech & M.Tech, IIT Roorkee



Learning to code is not just about reaching new heights like going to Mars or the moon. Coding, along with AI, equips kids with the skills to think critically and creatively, empowering them at multiple levels.

Satyam Baranwal

Co-founder & COO B.Tech, IIT Dhanbad









Codingal empowers kids to become innovators of the future

Why should kids learn coding?



Coding is the new literacy.

In recent years, technology has made inroads into all aspects of our lives. We've come to rely on websites, apps and gadgets to help us through the day, be it at work or at home.

Given the enormous role technology is going to play in the future, teaching kids to code is the best way to prepare them for success.

What are the benefits of learning coding?



- Helps develop problem solving skills
- Boosts analytical and structural thinking abilities
- Enhances creativity and imagination
- Helps find innovative solutions to real-life issues
- Helps develop resilience

Why this curriculum?



- Accredited by STEM.org
- Rated 4.6 out of 5 by students and parents
- Based on BIDE (Broad, Inspiring, Deep and Efficient)
 model
- Focus on STEAM (Science, Technology, Engineering, Arts, Math) subjects
- Enhances cognitive, logical, and computational skills
- Makes learning highly effective, interactive, and fun







Foundation of our curriculum

Accredited by



BLOOM

Bloom's Taxonomy is a standard guideline for K-12 content development, which includes 6 stages of learning: Remember, understand, apply, analyze, evaluate and create.



The BIDE (Broad, Inspiring, Deep and Efficient) model has been developed by Codingal in-house to ensure that our curriculum caters to the unique learning style of every child.



STEAM

STEAM is an approach to learning that uses Science, Technology, Engineering, the Arts and Mathematics as access points for guiding student inquiry, dialogue, and critical thinking.









Enhance your kid's Math and Science concept with Codingal

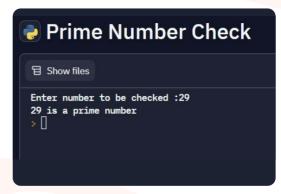




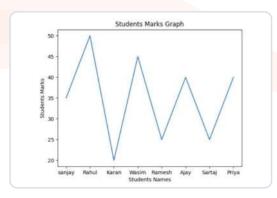
Set Operations

Our engineered coding courses cover essential math concepts like prime numbers, factorials, sets, statistics, probability, etc., helping students understand the concepts and implement them in the practical world. It also helps them in building strong logic for problem-solving.

Coders must strengthen their algorithmic and computational thinking to write a line of code that works well and is bug-free. And what is a possible way of thinking at their core? Math.



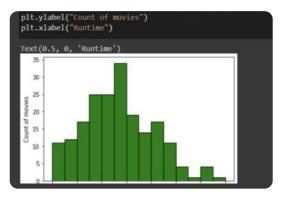
Prime Number Check



Students' Marks Graph

Our teachers provide individual attention to kids, customize projects based on their interests and make them fall in love with Coding, Math, and Science.

With all the data available, Math plays a vital role in identifying various patterns and answering questions to explain human behavior for implementing the same while automating a task. This is where coding and Math go hand in hand.



IMDB Ratings Data Analysis

A course to advance your coding skills and learn to solve problems using python and data structure.

168 classes 100+ Projects 168 Quizzes



Key learnings

- Basics of python
- Data Structures and Object
- Oriented Programming
- Bit Manipulation
- Recursion
- Problem Solving



Achievements

- Improved aptitude
- Critical thinking
- problem solving in Python

Featured Projects



1. Calculator

Create a Denomination calculator with Tkinter.



Rock Paper Scissor

Create personalized games.



Module 1

Python Introduction

Learn the basics of Python like Data types, Conditionals, Loops, and Functions. Language: Python

Platform:

Replit

6 Lessons & 20+ Projects



Square on Canvas



Rainbow Spiral

Module 2

Advance Python

Learn about data structures and object-oriented programming. Create various programs using these concepts

Language:

Python

Platform: Replit

6 Lessons & 20+ Projects



List to Dictionary



Operations on Tuppleman

Module 3

Specialization in Python

Learn File Handling and Operations on file using Python. Also learn how to use Tkinter library in python. Language:

Python

Platform: Replit

6 Lessons & 20+ Projects





Denomination Image makes Calculator it better



Module 4

Data Structure I

Learn about time and space complexity, its importance, and how it is calculated. Language:

Python

Platform:

Replit

6 Lessons & 15+ Projects

r number to find it's fa rs of 124 are:

That's a fact



Palindrom Number

Module 5

Bit Manipulation

Learn in-depth about bit manipulation and its various applications using python. Language:

Python

Platform: Replit

6 Lessons & 20+ Projects



Power set



Ones and Zeros



Recursion

Learn about Recursion, its types, and its applications. Learn to do Problem Solving using recursion. Language:

Python

Platform: Replit

6 Lessons & 20+ Projects



Phone Keypad



Tower of Hanoi

Module 7

Arrays Problems

Get introduced to arrays and solve problems using arrays in python.

Language:

Python

Platform: Replit

6 Lessons & 20+ Projects



Rotate Array



Stock Buy Sell



Unlock Advanced Python Developer Certificate

Module 8

Welcome to Data Science

Learn about basic libraries of Python for Data Science like Numpy, pandas, matplotlib, and seaborn and plot graphs using them. Language:

Python

Platform:

Replit and Colab

6 Lessons & 10+ Projects





Capstone Project Housing Rent Prediction

Module 9

Data Analysis

Learn about the basics of analysis and basic concepts like tabs and ribbons, formatting numbers, and managing worksheets. Language:

Python

Platform:

Spreadsheet

6 Lessons & 15+ Projects





Sales Estimation

Visualize the Data



Unlock Data Analyst Certificate



Module 10

SQL using python I

Learn about SQL, its syntax, and its commands.

Language:

Python

Platform: Replit

6 Lessons & 15+ Projects



Statements

Joins

Module 11

SQL using python II

Learn about Advance features in SQL.

Language:

Python

Platform:

Colab

6 Lessons & 15+ Projects

4.666667 8.375000 10.428571 11.250000 14.600000



Play with Tables

Match the Tables



Unlock SQL Developer Certificate

Module 12

Data Visualization I

Learn how to import data and visualize it using various graphs like a line graph, bar graph, pictograph, histogram, area graph, and scatterplot.

Language:

Python

Platform:

Colab

6 Lessons & 15+ Projects







Population Growth

Module 13

Data Visualization II

Learn to plot different types of advanced graphs.

Language:

Python

Platform:

Colab

6 Lessons & 10+ Projects



Life Expectancy Survey



Population



Statistics

Learn about various statistical concepts like mean, median, mode, and other operations in statistics, and also learn how to show them using graphs.

Language:

Python

Platform:

Colab

6 Lessons & 15+ Projects



IMDB Rating



Iris Data Survey



Unlock Data Scientist Certificate

Module 15

Probability

Learn about the concept of probabilty used in Data Science.

Language:

Python

Platform:

Replit

6 Lessons & 20+ Projects



Step Throat

ed shirts: 2
lue shirts: 4
hite shirts: 9
the second shirt
is blue:
the second shirt

Pick a Shirt













Module 16

Machine Learning I

Get introduced to Machine Learning and types of ML. Learn types of data and data preprocessing.

Language:

Python

Platform: Colab

6 Lessons & 15+ Projects





Regression **Analysis**

Output Classifier



Module 17

Machine Learning II

Learn about the classification algorithms and build your own recommendation engine.

Language:

Python

Platform:

Colab

6 Lessons & 15+ Projects





Binary Maximum Classification Margin Hyperlink



Unlock Capstone Project





Module 18

Machine Learning III

Understand and implement advanced Supervised ML algorithms for making future predictions.

Language:

Python

Platform:

Colab

6 Lessons & 10+ Projects





Water Quality K-nearest Prediction **Neighbors**



Module 19

Machine Learning IV

Understand and implement unsupervised ML algorithms for making future predictions.

Language: Python

Platform:

Colab

6 Lessons & 10+ Projects





Clustering

Density Based Clustering













Module 20

Deep Learning I

Learn about the basics of deep learning and get to know about Neural Networks. Language:

Python

Platform: Colab

6 Lessons & 10+ Projects







My Neural Network



Unlock Advanced Al Programmer Certificate



Module 21

Deep Learning II

Learn about the Convolutional Neural Networks, Image classifier and digit recognizor using neural networks. Language:

Python

Platform: Colab

6 Lessons & 10+ Projects



20





Image Classifier

Digit Recognizor





Module 22

Deep Learning III

Understand the exciting implementation of the Open CV library in Python through various projects.

Language:

Python

Platform:

Colab

6 Lessons & 10+ Projects



Funny 3D mirrors



Drawing through OpenCV



Module 23

Deep Learning IV

Understand the exciting implementation of Artificial Intelligence in the projects like chatbots.

Language:

Python

Platform:

Dialogflow and Colab

6 Lessons & 10+ Projects



Face Recognition



Lane Line Detection



Unlock Expert Al Programmer Certificate









Module 24

Front-end Development

Learn about basics of web and create your own webpages using HTML.

Language:

HTML and CSS

Platform: Replit

8 Lessons & 25+ Projects



Media in HTML

am Codingal

a 2 years old.
Address is HSR Layout, Ber favourite subjects are Scient hobbies include Coding and favourite quotation is ogramming isn't about what;

My Intro

Module 25

Webpage Styling

Learn to make your webpages more attractive by styling them using CSS. Language:

HTML and CSS

Platform:

Replit

8 Lessons & 25+ Projects



Background Effects



Positioning



Module 26

Web App Development

Learn about bootstrap which will help to make the website responsive and use numerous HTML and CSS templates for UI interface elements. Language:

HTML and CSS

Platform:

Replit

8 Lessons & 20+ Projects



About Section



Calculator



Unlock Frontend Developer Certificate



Python Flask

Understand the concept of Flask in python, and make interactive apps using Flask.

Language:

Python

Platform:

Replit

6 Lessons & 25+ Projects



User Application



Location Map

Module 28

Advance Flask Development

Learn about the complex functions and concepts in the flask.

Language: Python

Platform: Replit

6 Lessons & 25+ Projects

Customer Details

Registration Form

Total Items Enter

is field.

Shopping Cart

Flask WTF



Unlock Backend Developer Certificate









Top 10 benefits of learning at Codingal



1. Regular PTM

Great opportunity for parents and teachers to open two-way communication and to share insights and information for the holistic development of a child.



2. Regular doubt session

After every module solve all your queries in this personalized session. The toughest problems addressed concepts revised and doubts cleared!





3. Engaging quizzes

Quizzes are fun and help us remember important facts. These well-targeted and tailor-made quizzes will boost selfesteem and confidence among kids.



4. Thrilling competitions

Regular competitions are conducted to encourage students to showcase their skills and develop their ideas.



5. Learning Certificates

Show the world what you can do with a certificate for every amazing skill you master.











Top 10 benefits of learning at Codingal



6. Live personalized classes

Understand concepts faster with personal attention from teachers. Learn coding from highly qualified teachers trained to make learning effective and impactful.



7. Lifetime access to class videos

Forgot what was taught in the last class? No worries. Watch the recorded class video anytime to refresh your memory.





8. Lifetime access to resources

Get lifetime access to our exclusive learning content including DIY sheets, videos, and other resources.



9. Gamified learning

Codingal makes learning fun with gamification. Students can take quizzes or complete projects to earn points, badges, and rewards.



10. After class projects

For each class, students have the opportunity to complete an after-class project, enabling them to apply what they've learned, test their skills, and receive valuable feedback from their teacher.











Innovative projects built by Codingal students



AirQuality

Hussain Wangrelwala

View Project



Climate change effects

Shambhavi Barnwal

View Project



COV-FIGHT

Helping you fight the n strain.

Cov-Fight

Ansh Singh

View Project



Fight against Corona

Yuvraj Naik

View Project



Climate change website

Aditya Verma

View Project



Rock Paper Scissor

P.Anarghya

View Project



Reduce, reuse and recycle

Aditya Kumar Gupta

View Project



Random password generator

Ganeev Singh Tuteja

View Project









Students and parents love Codingal



Razzaq Ahmed

Codingal Parent

I love the way teachers provide a fully personalized learning experience to prepare my child for a bright future.



Aaditya Khanal

Codingal Student

食食食食食

Codingal is an incredible platform for students looking to learn to code. It has helped me become an accomplished coder by making the learning process fun and interactive.





Nishika Parikh

Codingal Student

I like that I can customize and pace my learning journey according to my comfort with Codingal.



J.D sharma

Codingal Parent

The teachers at Codingal are highly qualified and patient. The curriculum at is thoughtful. Thank you Codingal for making my kid learn to code interactively.

Coding- Gateway to success in the future



Now is a great time to be entering the coding world because technology will change more in the next 10 years than it has in the last 50.

- Bill Gates





Whether you want to uncover the secrets of the universe, or you just want to pursue a career in the 21st century, basic computer programming is an essential skill to learn."

- Stephen Hawking









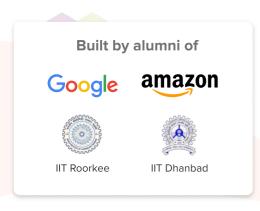
Begin your kid's AI & coding journey

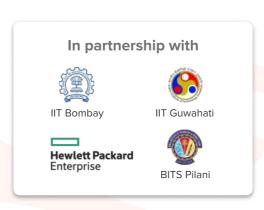
Is your child ready for the future?

Start their AI & coding journey with Codingal today.



Thank You







Got questions?
Contact us
anytime.

Send us a message



support@codingal.com

