Codingal
Where kids love AI & coding

Grade 11-12

Hello ! Young Coders

Get ready to fall in love with AI & coding

Accredited by

STEM.ORG ACCREDITED™ EDUCATIONAL EXPERIENCE

Excellent by

Trustpilot

Backed by

Y Combinator

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 & AI 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 AI & 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.

Codingal empowers kids to become innovators of the future

Why should kids learn AI & Coding?

Coding is the new literacy : Technology has become a core part of our lives, powering everything from websites to smart gadgets. With AI increasingly shaping the future, teaching kids coding and AI prepares them to thrive in a tech-driven world. These skills enable kids to innovate, solve problems, and succeed in a rapidly evolving landscape.

What are the benefits of learning AI & Coding?

- Develops problem-solving skills
- Boosts analytical and data-driven thinking
- Enhances creativity and imagination
- Encourages innovative real-life solutions
- Builds resilience and adaptability

Why this curriculum?

- Accredited by STEM.org
- Rated 4.5 out of 5 by students and parents on Trustpilot
- 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

Why learning to code is essential for every child in the age of AI

AI development requires coding

Building AI requires coding, which provides instructions to make the system function properly, ensuring everything runs smoothly and behaves as intended.

Augmenting human creativity

AI serves as a powerful tool for enhancing creativity, helping creators but still relying on human direction to produce unique and meaningful results.

Coding as a foundation for AI literacy

Learning to code is essential for understanding technology, enabling effective communication with computers and empowering individuals to create and innovate.

New jobs & industries

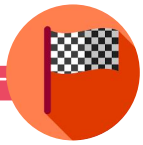
The rise of AI creates new opportunities in various fields, from developing AI tools to maintaining and improving systems, generating demand for skilled professionals.

No-code/low-code platforms

No-code platforms simplify building applications with drag-and-drop tools, but coding knowledge is necessary for creating more customized, complex features and designs.

Student's learning journey

Web Developer Certificate



Frontend Developer Certificate

AI & Coding Champion

48 Classes
100+ Projects
48 Quizzes

A course to advance your coding and AI skills, building a deeper understanding of complex coding concepts and foundational AI principles.

Python Programmer Certificate

Advanced Python Developer

SQL Developer Certificate

Data Science Certificate

AI & Coding Prodigy

96 Classes
184+ Projects
96 Quizzes

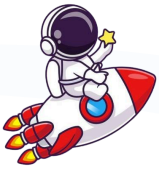
A perfect course for kids who want to excel at coding, building complex games, applications, and exploring AI

AI Programmer Certificate

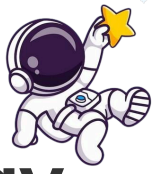
Advanced AI Programmer Certificate

Java Programmer Certificate

Earn AI & Coding certificates with STEM.org accreditation



1 Champion



2 Prodigy

5+ Additional certificates in the entire learning journey

AI & Coding Prodigy

Unlock your potential with this comprehensive course! From building websites to exploring AI, Machine Learning, and data science, you'll gain hands-on experience in programming languages and tools to create impactful real-world solutions.

96 Classes
184+ Projects
96 Quizzes

Key learnings

- Responsive websites using HTML/CSS & JS
- Develop dynamic apps with JavaScript & Python
- Perform data visualization & analysis
- Explore machine learning & regression models
- Fundamentals of Java & Flask

Top achievements

- Responsive & interactive websites
- Interactive Python projects
- Movie recommendation engine
- Develop Flask-based apps and utilities
- OOP concepts across Python and Java

Module 1
Front-End Development

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

Language:
HTML

Platform:
VS code & Github

6 Lessons & 20+ Projects

Personal Form

Drop Down

Module 2
Webpage Styling

Understand the fundamentals of CSS, including how to style, align, and position elements for attractive web designs.

Language:
CSS

Platform:
VS code & Github

6 Lessons & 20+ Projects

Typography

Space Explorers Club

Module 3
Web App Development

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

Language:
HTML CSS

Platform:
VS code & Github

6 Lessons & 20+ Projects

Containers


Carousel

Unlock Web Developer Certificate

AI & Coding Prodigy

Module 4
Advanced Front-end Development - I

Get introduced to JavaScript programming. Learn to add interactive behavious to a webpage using Javascript.

Language:
HTML CSS JS

Platform:
VS code & Github

6 Lessons & 25+ Projects

Loops in Js


HTML DOM

Module 5
Advanced Front-end Development - II

Get ready to add extraordinary behaviours to your web pages through advance concepts of JavaScript.

Language:
HTML CSS JS

Platform:
VS code & Github

6 Lessons & 25+ Projects


Error Handling in Js


Array Methods

Unlock Frontend Developer Certificate

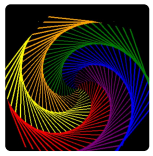
Module 6
Python Basics

Learn about Python basics including conditional statements, loops and functions.

Language:
Python

Platform:
VS code & Github

6 Lessons & 25+ Projects


Rainbow Spiral


Star Pattern

Module 7
Advanced Python

Learn about Python data structures and Object Oriented Programming.

Language:
Python

Platform:
VS code & Github

6 Lessons & 25+ Projects

Student Details


Library Management System

Module 8
Python Specialization

Get introduced to File Handling and Python library Tkinter that can help create GUI applications.

Language:
Python

Platform:
VS code & Github

6 Lessons & 20+ Projects


File Handling


Denomination Calculator

Unlock Python Programmer Certificate

AI & Coding Prodigy

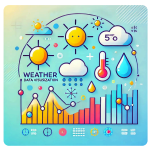
Module 9
Introduction to Data Science

Learn about Data Science and the commonly used libraries of Python-like Numpy, Pandas, Matplotlib and Seaborn.

Language:
Data Science

Platform:
Google Colab

6 Lessons & 10+ Projects



Weather Data Visualization

Housing Rent Prediction

Module 10
Data Visualization

Learn how to draw insights from data using visualization in Python.

Language:
Python

Platform:
Google Colab

6 Lessons & 10+ Projects


Data Cleaning


Population Growth

Unlock Data Scientist Certificate

Module 11
Machine Learning - 1

Learn about the basics of machine learning, its types and Regression.

Language:
Python

Platform:
Google Colab

6 Lessons & 10+ Projects


Data Preprocessing


Regression Analysis

Module 12
Machine Learning - 2

Learn about Classification and Recommendation Systems.

Language:
Python

Platform:
Google Colab

6 Lessons & 10+ Projects


Logistic Regression

Movie Recommendation System

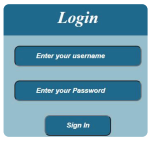
Module 13
Deployment Basics

Get introduced with Flask and basic functionalities to create basic deployed web pages.

Language:
Python

Platform:
Google Colab

6 Lessons & 10+ Projects



Login Page


Weather App

AI & Coding Prodigy

Module 14
Advance Deployment

Learn advanced concepts of deployment using Python Flask to understand how to create you web applications more interactive.

Language:
Python

Platform:
VS code & Github

6 Lessons & 10+ Projects


Flask Mail App

Flask-wtf

Unlock Advanced AI Programmer Certificate

Module 15
Java Programming - 1

Get started with basic concepts of Java Programming like - loops and conditional statements.

Language:
Java

Platform:
VS code & Github

6 Lessons & 25+ Projects

Hey Java!

Mind Riddler

Module 16
Java Programming - 2

Learn more about the OOPS concepts like encapsulation and polymorphism and also exception handling

Language:
Java

Platform:
VS code & Github

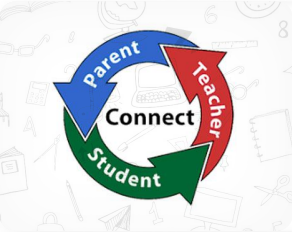
6 Lessons & 15+ Projects


Objects in Java

Interface in Java

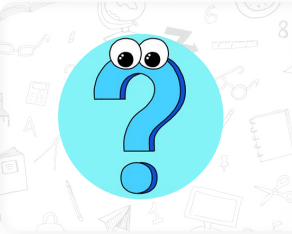
Unlock Java Programmer Certificate

Top 10 benefits of learning at Codingal



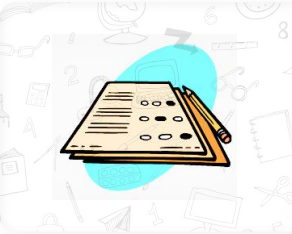
1. Regular PTM

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



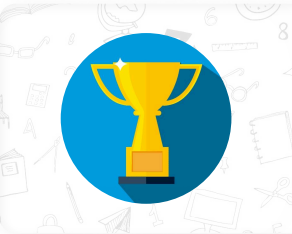
2. Regular doubt session

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 self-esteem and confidence among kids.



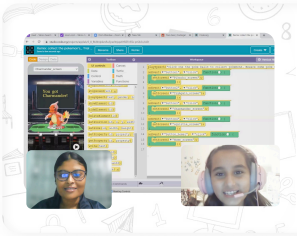
4. Thrilling competitions

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

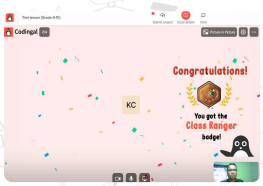
Understand concepts faster with personal attention from teachers. Learn coding from highly qualified teachers trained to make learning effective and impactful.

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.

Students and parents love Codingal

Ray
Japan

> I love learning with Codingal. It's always fun and the teacher is nice and kind.

Lavanya
India

> The courses develop multiple skills and ensure maximum clarity of coding concepts.

Billie
Kenya

> Codingal classes are so much fun. I've started to really enjoy creating things with code.

Elara Dalton
USA

> I referred Codingal to my friend, and now we're both into coding! She joined the classes too. Plus, Codingal gave me a whole month of free coding classes.

Trustpilot
TrustScore **4.8** | **425** reviews

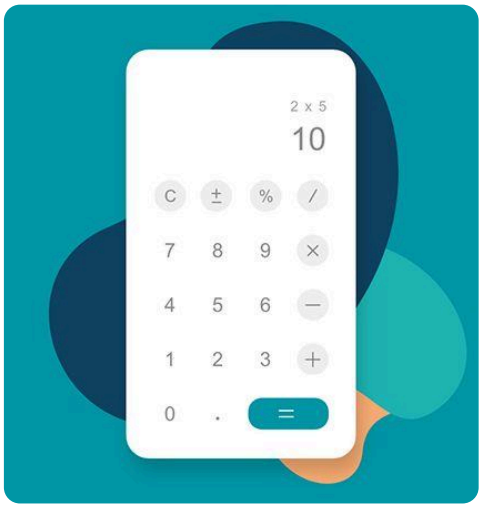
Google
4.6 out of 5

facebook
5 out of 5

Unlock your child's potential in Math & Science with AI and Coding

In Science, AI and Coding enable simulations and data analysis. Students use AI models to predict outcomes in biology, chemistry, and climate science, learning how coding drives scientific discovery and accelerates problem-solving in real-world applications.

Learning AI and Coding help students apply mathematical concepts like linear algebra and statistics to real-world problems. Coding AI models allows them to visualize math, make predictions, and see how math powers data analysis and decision-making.



Our teachers provide individual attention to kids, customize projects based on their interests and make them fall in love with AI & Coding, enabling them to also perform well in other subjects in school.

Foundation of Codingal's curriculum

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.

BIDE

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.

AI & Coding - Gateway to success in the future

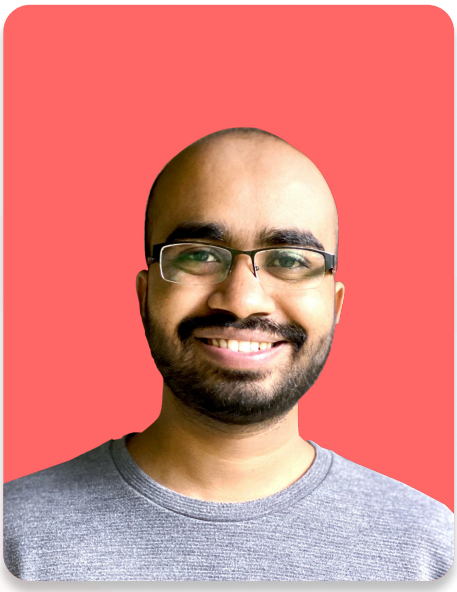
Now is a great time to be entering the coding world because technology will change more in the next 10 years than it has in the last 50.

- 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

A note from Codingal Founders



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

LinkedIn

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

LinkedIn

Begin your child's AI & coding journey today

Is your child ready for the future?

Visit www.codingal.com

Try a free lesson!

Thank You

Built by alumni of

Google amazon

IIT Roorkee IIT Dhanbad

In partnership with

IIT Bombay IIT Guwahati

Hewlett Packard Enterprise BITS Pilani

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Got questions? Contact us anytime.

Send us a message

support@codingal.com

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