



Codingal

Where kids love AI & coding



Grade 4-5

Hello ! Young Coders

Get ready to fall in love with AI & coding

Accredited by



Excellent by



Backed by



ChatGPT



thinkable



Bootstrap



python™





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





Earn AI & Coding certificates with STEM.org accreditation



1

Champion



2 Prodigy



3

Grandmaster



10+ Additional certificates in the entire learning journey



AI & Coding Grandmaster

Embark on a thrilling coding adventure! Build awesome games, apps, and AI projects, dive into web development, and master Scratch, JavaScript, and Python, while unleashing your creativity with fun, real-world challenges!

144 Classes
350+ Projects
144 Quizzes



Key learnings

- ✓ Advanced Game Development Concepts
- ✓ App Development with Dynamic Features
- ✓ Artificial Intelligence Basics
- ✓ Introduction to Web Development
- ✓ Python Programming Fundamentals



Top achievements

- ✓ Advanced Game Design
- ✓ Creative App Development
- ✓ AI Integration
- ✓ Web Development Foundations
- ✓ Python Programming Skills

AI

Module 1 Fundamentals of Animation

Learn coding through games, animations, and an AI-powered emoji experience that sparks creativity and logic.

Language:
Block based
Platform:
Code.org
(Sprite Lab, Play Lab)

6 Lessons & 20+ Projects



[Astro Rescue](#)



[Alien Encounters](#)



Unlock Animator Certificate

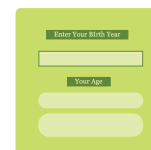
AI

Module 2 Basic Application Development

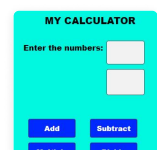
Create apps, use operators, and build an AI math assistant that chats and teaches multiplication tables

Language:
Block based
Platform:
Code.org (App Lab)

6 Lessons & 20+ Projects



[Voter App](#)



[Calculator](#)

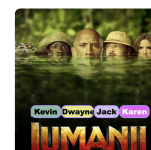
AI

Module 3 GUI Apps

Explore coding with turtles and build an AI assistant turtle that understands and draws shapes.

Language:
Block based
Platform:
Code.org (App Lab)

6 Lessons & 20+ Projects



[Jumanji](#)



[Sign ABC](#)



Unlock App developer Certificate

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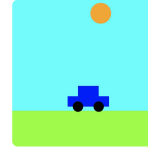
Module 4 Game Development

Design interactive games while learning sprite interaction, drawing shapes, randomization, and JavaScript basics.

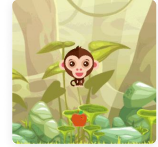
Language:
Block based

Platform:
[Code.org \(Game Lab\)](#)

6 Lessons & 15+ Projects



[Spriteless Animation](#)



[Conditional with Poxy](#)

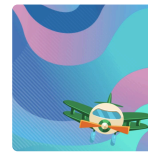
Module 5 Advance Game Development

Advance your coding with collision detection, velocity, conditionals, and creative game-building techniques.

Language:
Block based

Platform:
[Code.org \(Game Lab\)](#)

6 Lessons & 10+ Projects



[Collision](#)



[Save the Cow](#)



Unlock Game Developer Certificate

AI

Module 6 Basic Animation Development

Dive into Scratch, build games, and create AI face filters using real-time camera detection logic

Language:
Block based

Platform:
[Scratch](#)

6 Lessons & 15+ Projects



[Birthday Greetings](#)



[Solar System](#)

AI

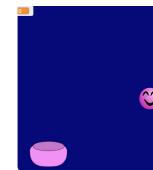
Module 7 Game Design - I

Build musical games and bouncing animations! Program smart sprites that detect your movements using AI!

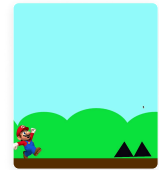
Language:
Block based

Platform:
[Scratch](#)

6 Lessons & 10+ Projects



[Happy Balls](#)



[Mario Dash](#)

AI

Module 8 Game Design - II

Build advanced Scratch games including Snake, Car racing, and Casey adventures! Create AI assistants speak multiple languages!

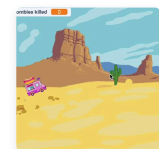
Language:
Block based

Platform:
[Scratch](#)

6 Lessons & 10+ Projects



[Car Game](#)



[Hungry Casey](#)



Unlock Scratch Developer Certificate

AI & Coding Grandmaster

AI

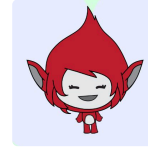
Module 9

Advanced Game Design

Develop advanced Scratch games with custom blocks, AI-driven animations, interactive characters like My AI Friend Giga, and voice controls.

Language:
Block based
Platform:
Scratch

6 Lessons & 10+ Projects

[My Giga](#)[Pacman](#)

AI

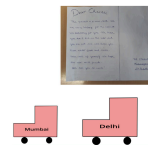
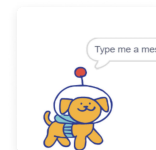
Module 10

Artificial Intelligence

Learn AI basics, explore machine learning concepts, and build projects like an AI image recognizer with block coding.

Language:
Block Based
Platform:
Machine Learning for Kids
Scratch

6 Lessons & 10+ Projects

[Mailman](#)[Happy Sad Dog](#)

AI

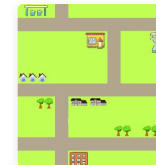
Module 11

Machine Learning

Delve into speech recognition, neural networks, and supervised learning while creating hands-on AI-powered applications.

Language:
Block Based
Platform:
Machine Learning for Kids
Scratch

6 Lessons & 10+ Projects

[Underfitting](#)[Roaming](#)

Unlock AI programmer Certificate

AI

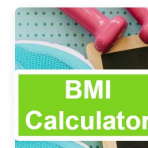
Module 12

Mobile App Development

CreateThunkable apps using buttons, layouts, sensors, and AI features like voice recognition and sentiment analysis.

Language:
Block based
Platform:
MIT App Inventor

6 Lessons & 10+ Projects

[Health App](#)[Doodling Board](#)

AI

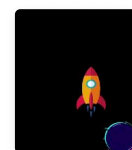
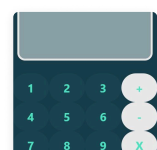
Module 13

Utility Apps

Design advanced apps with multi-screens, gyroscopes, accelerometers and AI integration, such as translators.

Language:
Block based
Platform:
MIT App Inventor

6 Lessons & 10+ Projects

[Space Warrior](#)[Calculator](#)

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AI & Coding Grandmaster

AI

Module 14 Native Applications

Build apps with cloud storage and integrate AI for features like text-to-speech, voice commands, and image recognition.

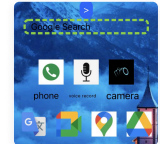
Language:
Block based

Platform:
[MIT App Inventor](#)

6 Lessons & 10+ Projects



[Weather Application](#)



[My App](#)

AI

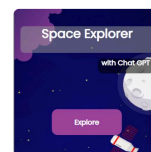
Module 15 AI App Creating

Learn Firebase integration and AI-driven authentication to enhance user experience, integrate Chat GPT for creating a space-themed app

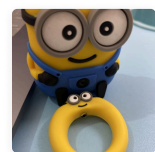
Language:
Block based

Platform:
[MIT App Inventor](#)

6 Lessons & 10+ Projects



[Chat GPT Integration](#)



[Snap It](#)



Unlock Advanced Application Developer Certificate

Module 16 Introduction to Web Development

Learn the basics of web development and create your first webpages with HTML. From lists to tables, structure your ideas for the web.

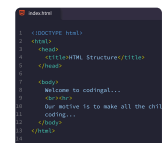
Language:
HTML

Platform:
[codepen.io](#)

6 Lessons & 20+ Projects



[Book Club](#)



[Structure of HTML](#)

Module 17 Webpage Styling

Make your webpages visually appealing by learning CSS. Add colors, fonts, and layouts to create beautiful and engaging designs.

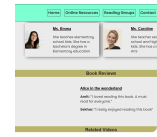
Language:
CSS

Platform:
[codepen.io](#)

6 Lessons & 20+ Projects



[Book Club V](#)



[Book Club VI](#)

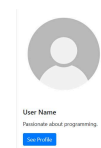
Module 18 Web App Development

Use Bootstrap to build responsive and professional-looking websites that work perfectly on all devices.

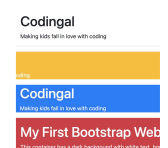
Language:
HTML CSS

Platform:
[codepen.io](#)

6 Lessons & 20+ Projects



[Bootstrap Card](#)



[Containers in Bootstrap](#)



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AI & Coding Grandmaster

Module 19

Advanced Front-end Development - I

Get introduced to JavaScript programming. Learn to create animations and make the website more interactive.

Language:
HTML CSS JS

Platform:
codepen.io

6 Lessons & 20+ Projects



[Portfolio Website](#)

Make changes to the rectangle



[Introduction to DCM](#)

Module 20

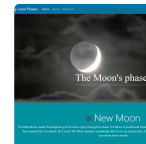
Hosting Personal Websites

Create your own website and host it on the internet.

Language:
HTML CSS JS

Platform:
codepen.io

6 Lessons & 2+ Projects



[Capstone Project](#)



Unlock Advanced Website Developer Certificate

Module 21

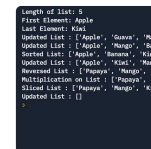
Python Programming

Lay the groundwork and master the fundamentals of Python, the most widely used language in AI development.

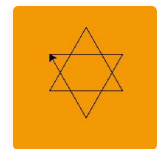
Language:
Python

Platform:
[VS code & Github](#)

6 Lessons & 25+ Projects



[Work with Lists](#)



[Fun with Turtle](#)

Module 22

Object Oriented Programming

Learn to create reusable, modular code with OOP principles, a key step for building AI systems using simple, organized code.

Language:
Python

Platform:
[VS code & Github](#)

6 Lessons & 25+ Projects



[Patterns](#)



[Phone Book](#)

Module 23

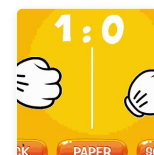
Game Development on Python

Learn how to create fun, interactive games using Python and its libraries. Build logic and enhance your programming skills.

Language:
Python

Platform:
[VS code & Github](#)

6 Lessons & 25+ Projects



[Rock Paper Scissor](#)



Unlock Python Programmer Certificate

Module 24

JS App Development

Learn about app development using Javascript.

Language:
JS

Platform:
codepen.io

6 Lessons & 10+ Projects

Stopwatch

04:52
[Start](#) [Stop](#) [Reset](#)

[Stopwatch](#)

My To-Do List

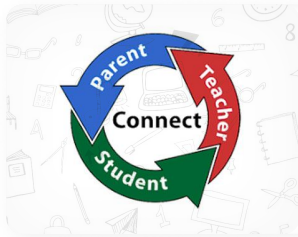
Add new task... [Add Task](#)

task 1 [Delete](#)

[To Do List](#)



Top 10 benefits of learning at Codingal



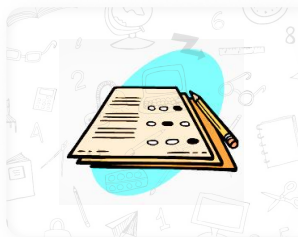
1. Regular PTM

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!



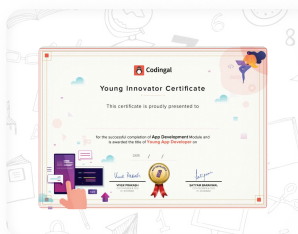
3. Engaging quizzes

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.

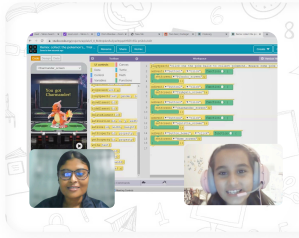


5. Learning Certificates

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.



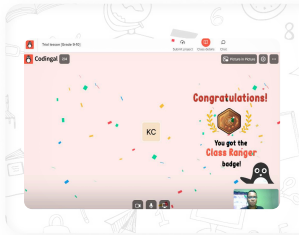
7. Lifetime access to class videos

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



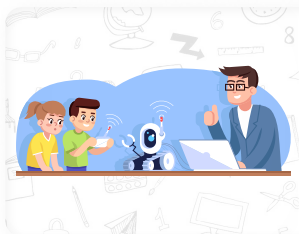
8. Lifetime access to resources

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.



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



4.6 out of 5



5 out of 5

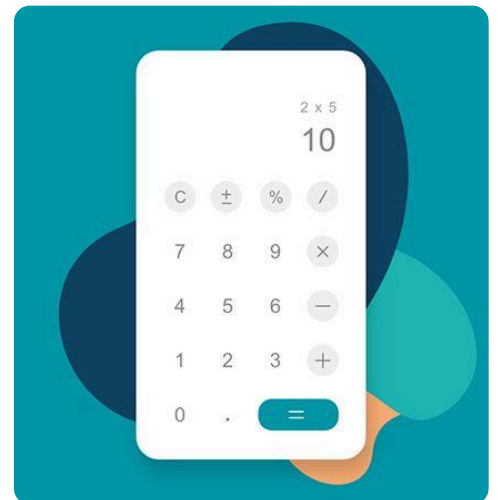


Unlock your child's potential in Math & Science with AI and Coding



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

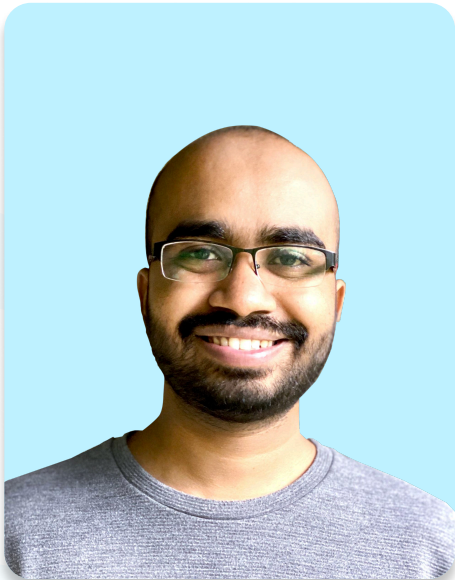
“

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



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





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

Accredited by STEM.org



Backed by



Combinator



REBRIGHT
PARTNERS

Got questions?
Contact us
anytime.

Send us a message



support@codingal.com



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