Codingal

Where kids love AI & coding

Scratch Programming with AI

Grades 1 - 8

Hello ! Young Coders

Get ready to fall in love with AI & coding

Accredited by

STEM.ORG ACCREDITED™ EDUCATIONAL EXPERIENCE

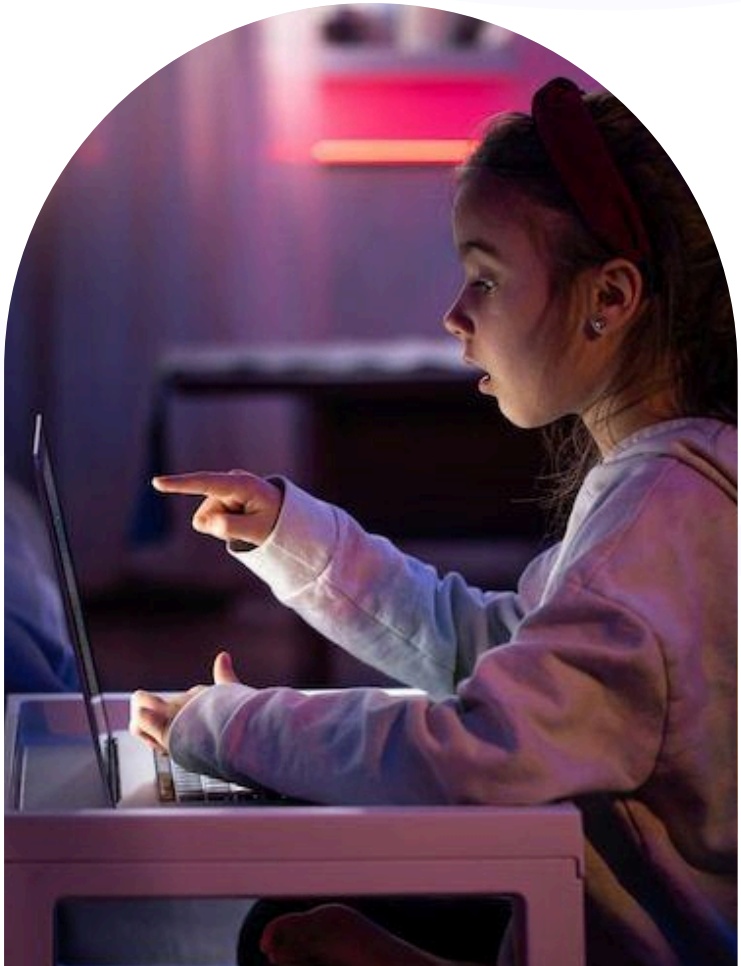
Excellent by

Trustpilot

Backed by

Y Combinator

SCRATCH



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About Codingal

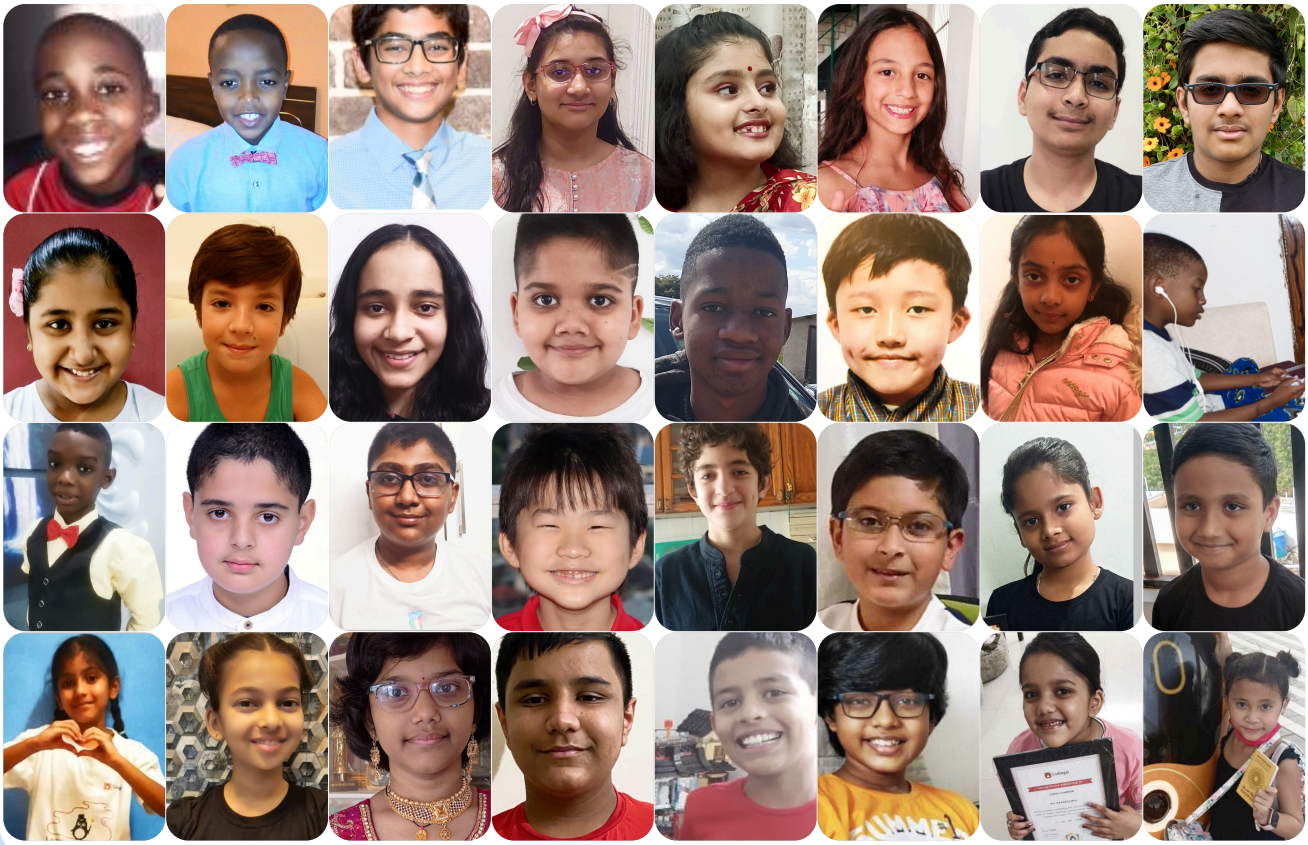
Our Mission: To inspire kids and teens to fall in love with AI & coding

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.

Scratch Programming with AI- Overview (1)

A perfect course for kids who want to master the art of coding using Scratch and create engaging games. Also get introduced to the world of AI using Scratch.

36 Classes
30+ Projects
36 Quizzes

Key learnings

- Game development on Scratch
- Complex programming topics
- Artificial intelligence
- Fundamental programming principles

Top achievements

- Conceptual clarity
- Analytical skills
- Confidence boost
- Game development

AI

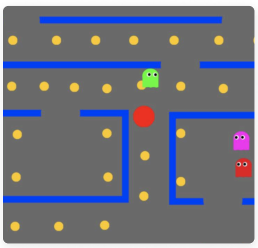
Module

Platforms used:
Scratch & Machine Learning for Kids

Programming languages:
Block Based Coding

Module No.	Title & Description	Activity
Module 1	**Scratch Basics** Dive into Scratch, build games, and create AI face filters using real-time camera detection logic	 Solar System
Module 2	**Scratch Intermediate** Build musical games and bouncing animations! Program smart sprites that detect your movements using AI!	 Happy Balls

Scratch Programming with AI- Overview (2)

Module No.	Title & Description	Activity
Module 3	**Scratch Advance** Build advanced Scratch games including Snake, Car racing, and Casey adventures! Create AI assistants speak multiple language	 Hungry Casey
Module 4	**Advanced Game Design** Develop advanced Scratch games with custom blocks, AI-driven animations, interactive characters like My AI Friend Giga, and voice controls.	 Pacman
Scratch for Kids Test		Unlock Advanced Animation & Game Developer Certificate
Module 5	**Artificial Intelligence** Get introduced to the magical world of Artificial Intelligence. Create an image recognizer project using block coding.	 Chameleon
Module 6	**Machine Learning** Get introduced to speech recognition and Machine Learning.	 Face Emoji
AI Test		Unlock AI programmer Certificate

Test & Student Assessment Reports(SARs)

A fun, structured challenge that builds real skills through doing - not guessing. Kids solve problems, fix mistakes, and build on their own. When they're done, parents get a clear score and an easy-to-read report showing exactly where their child excels and where to improve.

- Course tools only
- Teacher-supervised
- Standardized scoring

Test format

MCQs
Checks core understanding

Bug fixes
Fix broken code

Mini project
Build live, end to end

All sections are completed in **one live class, under 45 minutes**.

How it's evaluated

Every submission is first analysed by AI for accuracy and effort, then reviewed by the curriculum team before the final score is confirmed.

AI analysis
Accuracy, completeness and effort

→

Curriculum team review
Final score confirmed by an expert

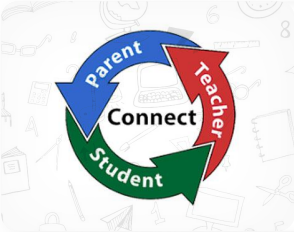
What Parents receive

- Section-wise marks and total score
- Strengths
- Improvement areas
- Recommended next steps

The Result

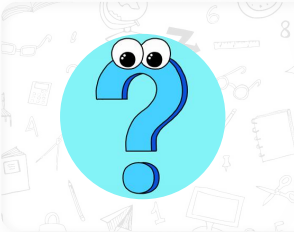
Evidence of learning you can trust, a documented benchmark of your Child's skills and progress.

Top benefits of learning at Codingal



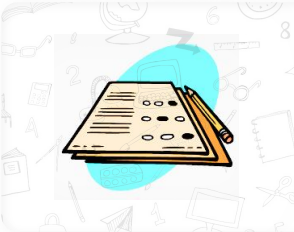
1. Regular PTM

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



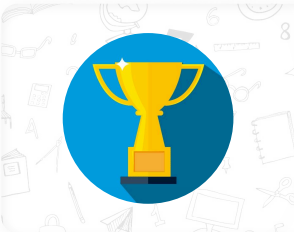
2. Regular doubt session

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.



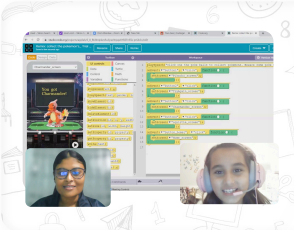
4. Thrilling competitions

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 benefits of learning at Codingal



6. Live personalized classes

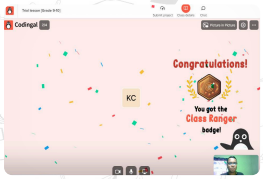
Understand concepts faster with personal attention from teachers. Learn coding from highly qualified teachers trained to make learning effective and impactful.

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** | **863** reviews

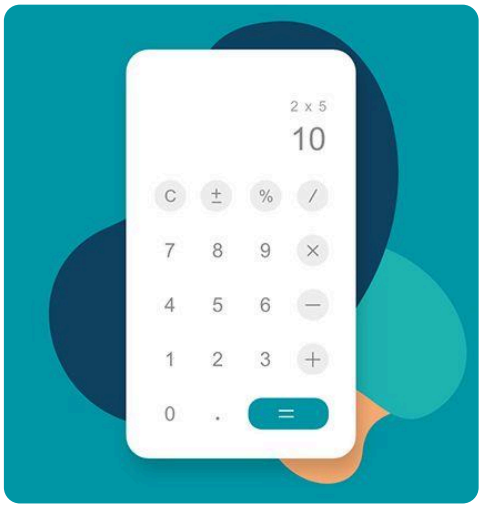
Google
4.6 out of 5

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.

“

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.

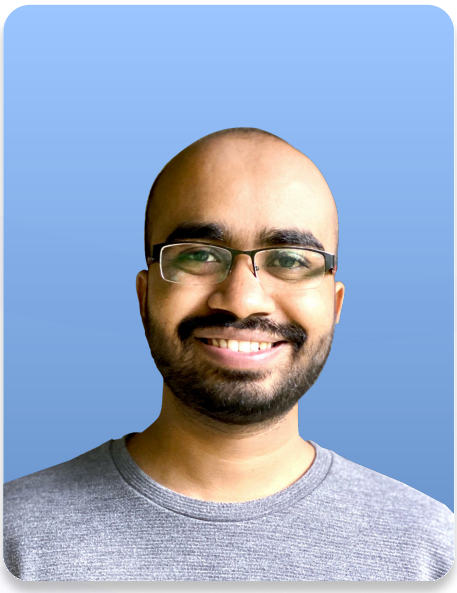
- Bill Gates

“

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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