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STEM.ORG ACCREDITED EDUCATIONAL EXPERIENCE

Codingal
Where kids love AI & coding

Grade 3-7

Hello ! Young Coders

AI Genius: ChatGPT, AI-powered Apps & Games



Enhance Your Understanding of AI with Codingal



Virtual assistants (Siri, Alexa)

At Codingal, we help students explore technology and AI through real-life applications by teaching concepts similar to those used in virtual assistants like Siri and Alexa. Students learn how AI can understand and respond intelligently, giving them a glimpse into how coding shapes the future, making technology more interactive and engaging.

At Codingal, we introduce students to AI concepts similar to those used in self-driving cars. By exploring how AI uses sensors and algorithms to make decisions, students gain a deeper understanding of the technology behind autonomous driving and its real-world applications.



Self-driving car



AI in Healthcare

At Codingal, we introduce students to AI concepts similar to those used in healthcare technology. By exploring how AI analyzes medical data and assists doctors in diagnosing conditions, students learn how technology can improve healthcare outcomes and transform patient care.
AI in Healthcare

Our teachers provide individual attention to kids, customize projects based on their interests and make them 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 & AI tutors.

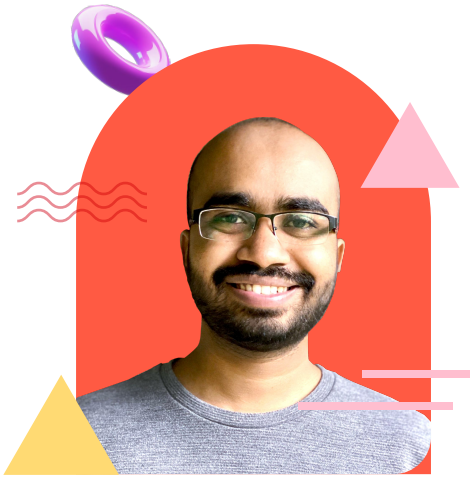
All our instructors come from Computer Science background, and they are rigorously vetted and trained. Every student gets a personalized learning path and individual attention in 1:1 private classes or small group classes with expert instructors. Students learn by building apps, games, animations, and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



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.

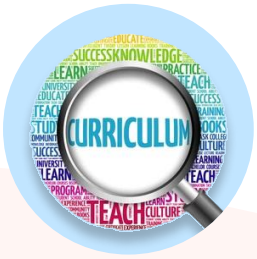
Given the enormous role technology is going to play in the future, teaching kids to code is the best way to prepare them for success.

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

TEACHABLE MACHINE
thunkable

Foundation of our curriculum

Accredited by

STEM.ORG ACCREDITED™ EDUCATIONAL EXPERIENCE

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.

Covers K-12 Computer Science Framework compliant

AI Genius: ChatGPT, AI-powered Apps & Games -Overview (1)

Step into the world of AI magic! Create cool games and design amazing apps while learning to train AI like a pro. With fun projects and ChatGPT superpowers, you'll become an AI wizard in no time. Perfect for young tech adventurers ready to explore, learn, and have a blast!

8 Modules
48 Lessons
48 Quizzes
50+ Projects
6 Months Duration

Course Learning Outcomes

- Understand basic AI concepts
- Create AI-powered games
- Build AI-based mobile apps
- Integrate ChatGPT
- Combine AI and creativity

Achievements

- Mastery of AI Fundamentals
- Ethical AI Practices
- Cross-Platform Proficiency
- Real-World AI Problem Solving
- Chat GPT Integration

Module 1
AI Fun With Machine Learning For Kids

Explore AI basics by building simple models for text and sound recognition through fun, hands-on activities.

Key Learning Outcomes

- Learn AI fundamentals.
- Build activities and games.
- Use text recognition.
- Explore sound recognition.
- Create interactive projects.

Language: Visual Block-Based Programming
Platform: Machine Learning for kids scratch
6 Lessons & 10+ Projects

Module 2
AI Creativity With Pictoblox

Projects like art generators, music composers, and AI-powered comics. Use AI to express ideas through visual and auditory creativity.

Key Learning Outcomes

- Create AI-generated art
- Develop music projects.
- Build creative outputs.
- Classify doodles accurately.
- Enhance visual creativity.

Language: Visual Block-Based Programming
Platform: Pictoblox
6 Lessons & 10+ Projects

Module 3
AI Concepts With MBlock

Dive into object, gesture, and emotion recognition using mBlock. Learn to create projects that respond to voice commands and gestures, bringing AI to life in interactive systems.

Key Learning Outcomes

- Learn object recognition.
- Explore emotion detection.
- Build gesture-controlled projects.
- Use voice commands.
- Create interactive systems.

Language: mBlock Visual Block-Based Programming
Platform: mBlock
6 Lessons & 10+ Projects

AI Genius: ChatGPT, AI-powered Apps & Games -Overview (2)

Module 4

Scratch + AI Code 101 - Introduction To AI Models

Learn to train basic AI models, including text and image recognition, and integrate them into Scratch projects. Combine multiple models for advanced interactive experiences

Key Learning Outcomes

- Train image models.
- Develop text models.
- Integrate sound recognition.
- Build chatbot projects.
- Combine multiple models.

Language: Visual Block-Based Programming

Platform: AI Code 101 Scratch

6 Lessons & 10+ Projects

AI Genius Test 1

Unlock AI Junior Certificate

Module 5

Introduction To AI With Scratch + Teachable Machine

Train AI models for image, sound, and pose recognition using Scratch and Google's Teachable Machine to create interactive games and storytelling projects.

Key Learning Outcomes

- Train AI models.
- Create interactive games.
- Use sound recognition.
- Enhance storytelling dynamics.
- Develop creative projects.

Language: Visual Block-Based Programming

Platform: Scratch Teachable Machine

6 Lessons & 10+ Projects

Module 6

Mobile App Development With AI In Thunkable

Develop real-world AI-powered apps such as translators, voice recognition systems, and image scanners. Use Thunkable to integrate AI models and bring app ideas to life.

Key Learning Outcomes

- Build AI apps.
- Create translators effectively.
- Use voice recognition.
- Develop image-based apps.
- Integrate AI models.

Language: Blockly JavaScript AI Model Integrations

Platform: Thunkable

6 Lessons & 10+ Projects

Module 7

Real-World AI Applications With MIT App Inventor

Create AI-powered financial literacy apps using ChatGPT, like "MoneyWise," to help users manage budgeting, saving, and smart spending.

Key Learning Outcomes

- Build financial literacy apps
- Create budgeting tools
- Develop money management assistants
- Solve real-world financial challenges with AI

Language: Visual Block-Based Programming

Platform: MIT App Inventor

6 Lessons & 10+ Projects

Module 8

Python AI Projects For Kids

Learn Python basics, build AI chatbots, create personalized greetings, develop quizzes, and use Google API for translation.

Key Learning Outcomes

- Learn Python basics
- Build AI chatbots
- Create AI greetings
- Develop quizzes
- Use Google API for translation

Language: Block-Based Python Programming

Platform: EduBlocks

6 Lessons & 10+ Projects

AI Genius Test 2

Unlock AI Genius 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.

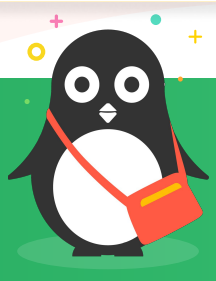
AI analysis
Accuracy, completeness and effort

→

Curriculum team review
Final score confirmed by an expert

What Parents receive

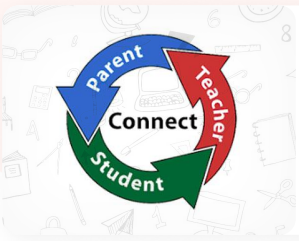
- Section-wise marks and total score
- Strengths
- Improvement areas
- Recommended next steps



The Result

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

Top 10 benefits of learning at Codingal



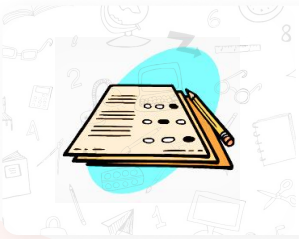
1. Regular PTM

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

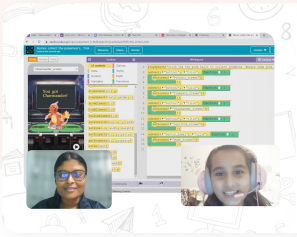
Regular competitions are conducted to encourage students to showcase their skills and develop their ideas.



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.



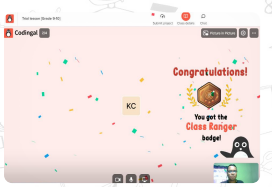
7. Lifetime access to class videos

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.

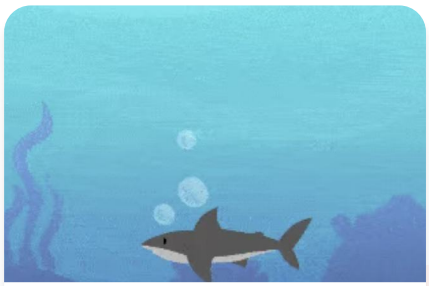
Innovative projects built by Codingal students



Scary Diego

Avyakth

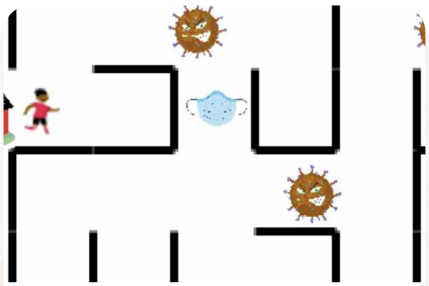
View Project



Victory for the shark

Saifiyah

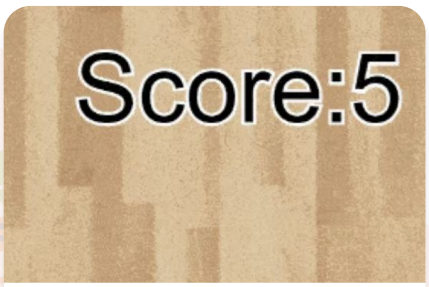
View Project



Covid 19 game

Daksh Srivastava

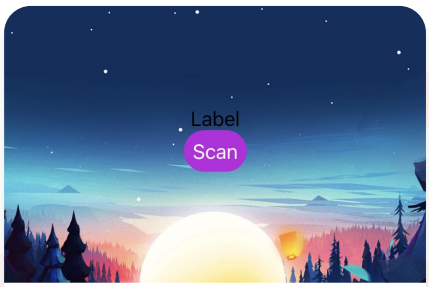
View Project



Tank enemy

Sharv Nagar

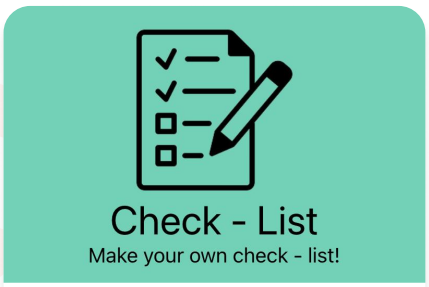
View Project



QR Code scanner

Sana Tanti

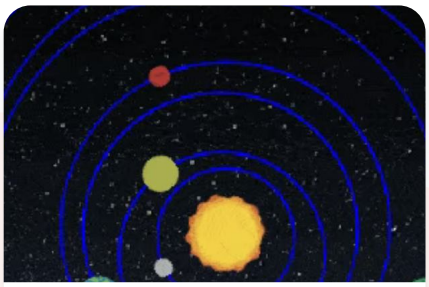
View Project



Check-list

Rudra Agarwal

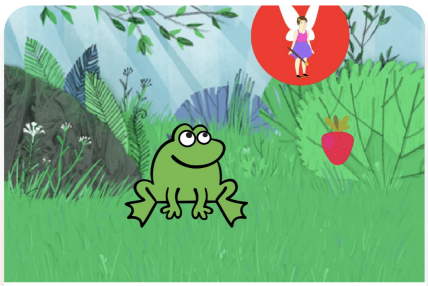
View Project



Solar system

Samhith Gurajapu

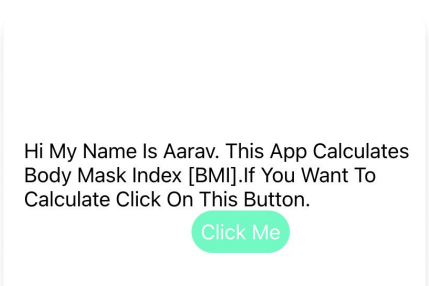
View Project



Frog, snake, and Angel

Bhavi Tushar Chavan

View Project



BMI Finder

Aarav Saggar

View Project

Students and parents love Codingal



Roopa Tanti

Codingal parent

Codingal builds a strong foundation and has helped enhance my daughter's confidence and creativity.



Muhammed Umer Azhaan

Codingal Student

The best thing about learning coding with Codingal is the teachers who always went the extra mile for me.



Ira Khandelwal

Codingal Student

I'm glad I picked up coding at an early age as it has improved my logical thinking and sparked my creativity.



Ikumi

Codingal Parent

Codingal's well-structured courses have made coding fun for my son. They're the best and the quickest.

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

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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STEM.org ACCREDITED EDUCATIONAL EXPERIENCE

Backed by

Y Combinator, REBRIGHT PARTNERS

Got questions? Contact us anytime.

Send us a message

support@codingal.com

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