



# Codingal

Where kids love coding

Scratch Programming

Ages 6 - 13

Hello ! Young Coders

# Get ready to

# Fall in love with coding

Accredited by





# About Codingal

Codingal offers online classes for K-12 students to learn coding by creating apps, building games and developing websites.

We offer live 1:1 coding classes taught by all-star instructors with a computer science background.

Coding has been shown to have numerous benefits in multiple studies. According to one study, children's cognitive skills improved sevenfold with coding.

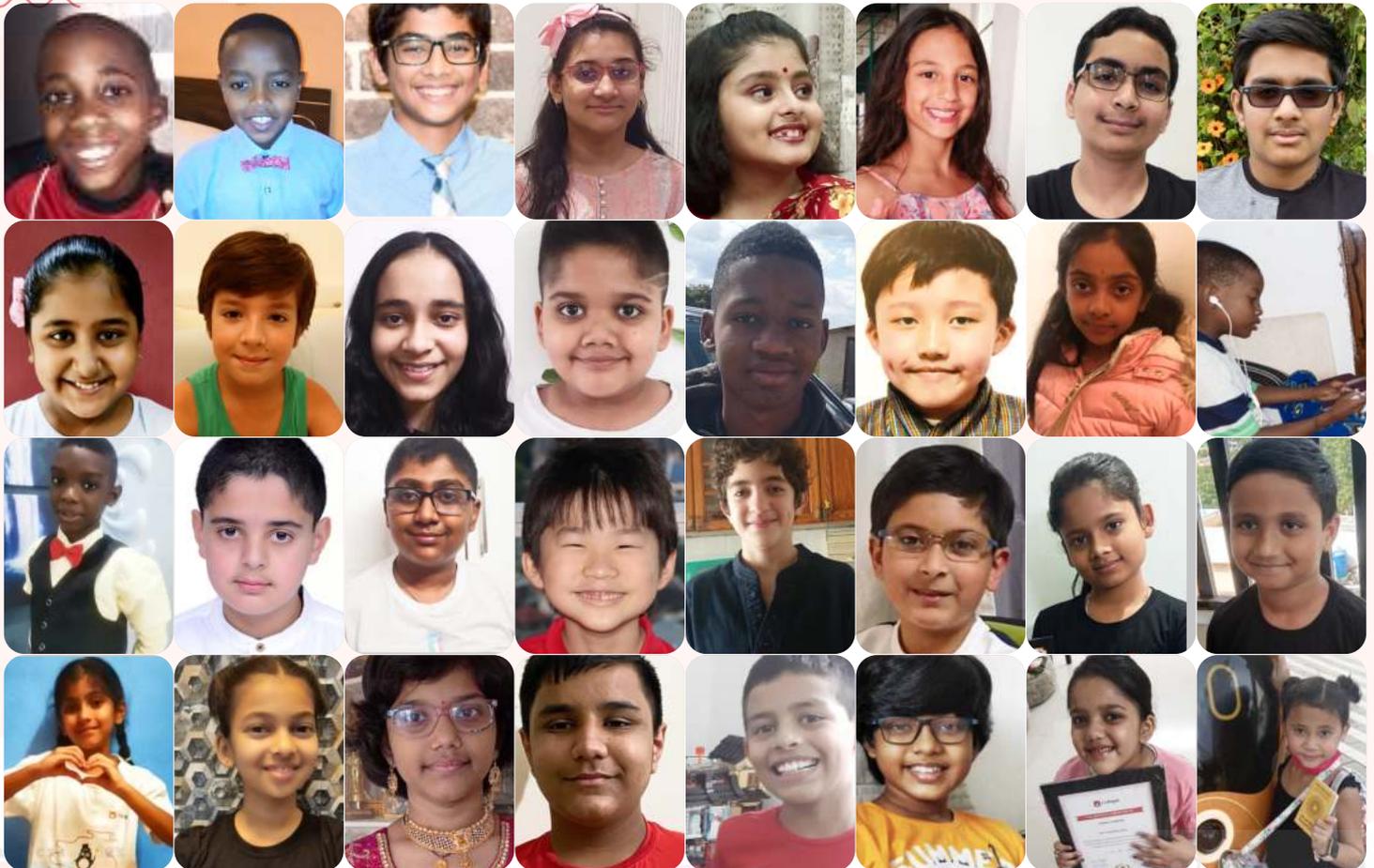
In addition to improving their computational abilities and logical thinking, coding improves their writing skills as well.

As a result, kids who begin coding at a young age will have a definite advantage.



## Our Mission

To inspire kids to fall in love with coding





## Founder's Note



Block



Teaching coding to kids is a huge responsibility. Our teachers and curriculum ensure we understand and own this fully.

### Vivek Prakash

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



Learning to code is not just about becoming a computer scientist. Coding empowers children at multiple levels.

### Satyam Baranwal

Co-founder & COO  
B.Tech, IIT Dhanbad



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# Coding empowers kids to become innovators of the future



Bl

## 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

HTML

CSS

JS



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# 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.

## 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.

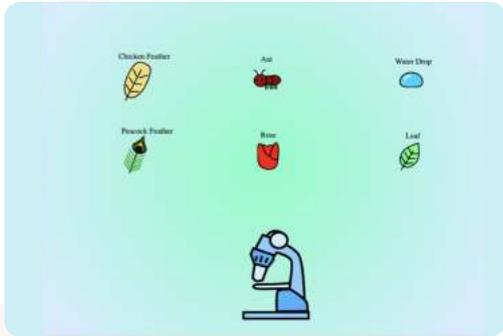
## STEAM

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.





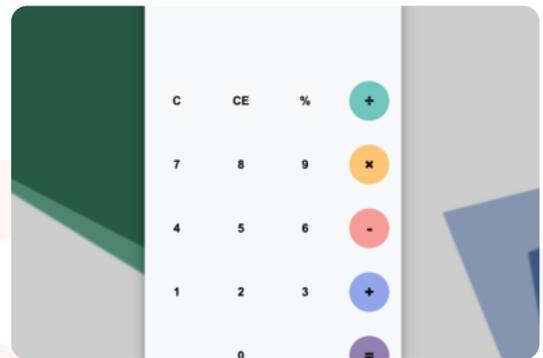
# Enhance Your Math and Science Concepts with Codingal



Microscope

Codingal's mission is to provide students with the skills and mindset required to thrive in the twenty-first century. Our curriculum aims to help kids understand math and science through coding in an interactive and fun way.

Our coding courses are engineered to cover essential science and math concepts like integers, solar system, microorganisms, geometry, water cycle, etc., in a way that these concepts are imprinted on the kid's memory forever.



Calculator

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





# Scratch Specialised Course- 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  
40+ Projects  
36 Quizzes



## Key learnings

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



## Achievements

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

## Featured Projects



### Integer game

Create a game to learn about integers using a number line.



### Car game

Create your own version of car racing game using functions. The car would crash if you touch the obstacle.

### Module 1

#### Basic Animation development

Learn basic concepts like Loops and Conditionals. Problem solving skills and logical development.

Language:  
Block based  
Platform:  
Scratch

6 Lessons & 15+ Projects



Dress up  
tera



Solar  
system

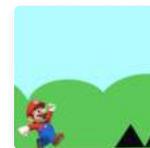
### Module 2

#### Game design - I

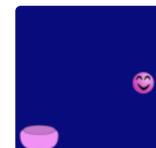
Get introduced to coordinates and broadcast while making fun games like Mario Dash.

Language:  
Block based  
Platform:  
Scratch

6 Lessons & 10+ Projects



Mario  
Dash



Happy  
Balls



Unlock Scratch Developer Certificate



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# Scratch Specialised Course- Overview (2)

## Module 3

### Game design - II

Understand interlinking concepts with the help of broadcast and cloning in game.

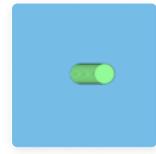
Language:  
Block based

Platform:  
Scratch

6 Lessons & 10+ Projects



Hungry casey



Snake game

## Module 4

### Advance Game design

Learn advanced animation effects and games like Pacman game.

Language:  
Block based

Platform:  
Scratch

6 Lessons & 10+ Projects



Microscope



Pacman



Unlock Advance Animation and Game Developer Certificate

## Module 5

### Artificial Intelligence

Get introduced to the magical world of Artificial Intelligence. Create an image recognizer project using block coding.

Language:  
Block based

Platform:  
Machine Learning for Kids

6 Lessons & 10+ Projects



Ghost language



Chameleon

## Module 6

### Machine Learning

Get introduced to speech recognition and Machine Learning.

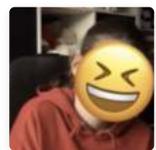
Language:  
Block based

Platform:  
Machine Learning for Kids

6 Lessons & 10+ Projects



Roaming



Face emoji

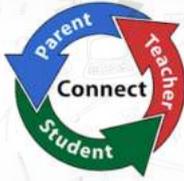


Unlock AI Programmer Certificate





# 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

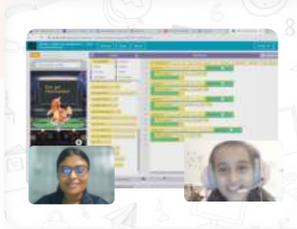
Show the world what you can do with a certificate for every amazing skill you master.



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# 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.



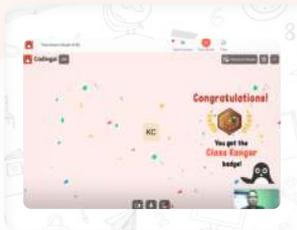
## 7. Lifetime access to class videos

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



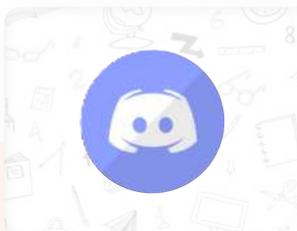
## 8. Lifetime access to resources

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. Community of young coders

Get access to our community of 150,000+ students to collaborate, share projects and solve real-world problems together.





# Innovative projects built by Codingal students



## Telescope

Sara Imran

[View Project](#)



## Volcanic eruption

Eman

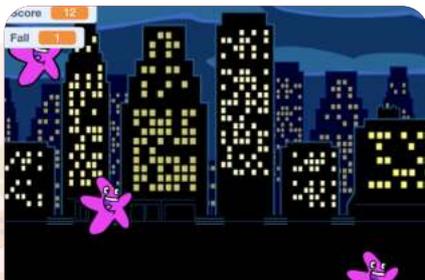
[View Project](#)



## Car game

Praneel Tripathi

[View Project](#)



## Catch the falling stars

Samuel Bello

[View Project](#)



## Fight against Corona

Yuvraj Naik

[View Project](#)



## Climate change website

Aditya Verma

[View Project](#)



## Premier League

Coulibaly Oleg Arni Doutuan

[View Project](#)



## Hackathon registration form

Ruben Maxwell

[View Project](#)



## Ticket booking website

Kavin

[View Project](#)



# Students and parents love Codingal



**Brooklyn Watt**

Codingal Student



The Scratch course introduced me to coding in an interactive way and also it is easy to understand. I really enjoy the class.



**Naomi Ian**

Codingal Student



I am learning Scratch through fun videos. The assignments helps me practice and create my favorite animations.



**Matt Anderson**

Codingal Student



My Scratch lessons are very colorful. I like my class and my teacher.



**Jaden**

Codingal Student



My teacher is very kind. I like my Scratch classes very much.





# 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 coding journey

Is your child ready for the future?

Start their coding journey with  
Codingal today.

# Thank You

Built by alumni of

Backed by



Combinator



Accredited by



Got questions?  
Contact us  
anytime.

Send us a message



[support@codingal.com](mailto:support@codingal.com)

Call us



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