



**Codingal**  
Where kids love AI & coding

**Game Development for Kids**

Hello ! Young Coders

# Get ready to fall in love with AI & Coding

Accredited by





# 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.

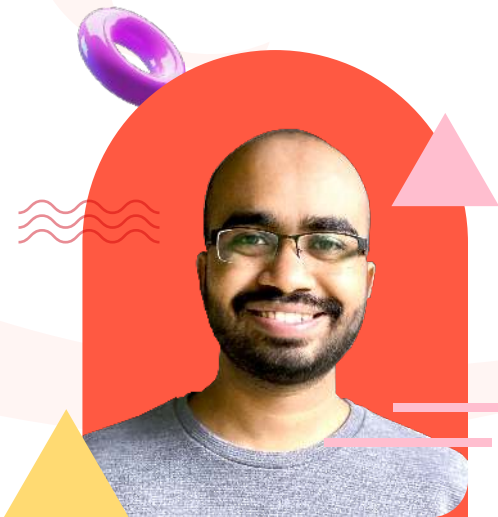




## Founder's Note



Block



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



thinkable







# Codingal 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



thankable



# 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.



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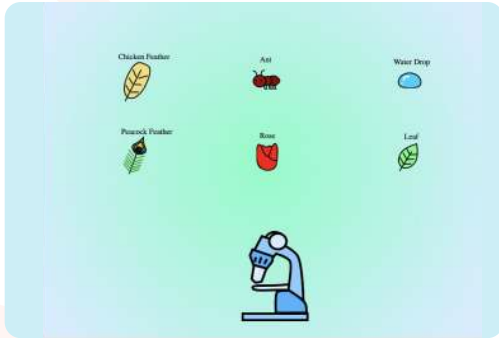
Covers K-12 Computer Science Framework compliant



# Enhance Your Math and Science Concepts with Codingal



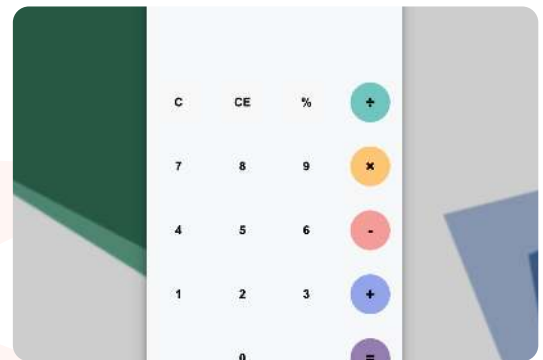
Blog



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.





# Game Development for Kids - Overview (1)

"A perfect course for kids who want to master the art of coding and create engaging games."

36 Classes  
30+ Projects  
36 Quizzes



## Key learnings

- ✓ Game development
- ✓ Complex programming topics
- ✓ Coding fundamentals
- ✓ Fundamental programming principles



## Achievements

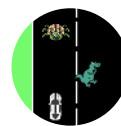
- ✓ Conceptual clarity
- ✓ Analytical skills
- ✓ Confidence boost
- ✓ Game development

## Featured Projects



### AI Speaks Many Languages

Create an AI-powered birthday assistant that can speak birthday wishes in multiple languages using AI technologies.



### Car game

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

AI

### Module 1

#### Scratch Basic

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



Dress up  
tera



Solar  
system

AI

### Module 2

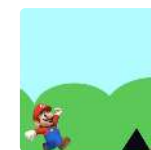
#### Scratch Intermediate

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

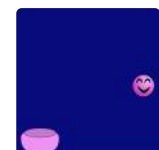
Language:  
Block based

Platform:  
Scratch

6 Lessons & 10+ Projects



Mario  
Dash



Happy  
Balls



## Unlock Scratch Developer Certificate

AI

### Module 3

#### Scratch Advance

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

Language:  
Block based

Platform:  
Scratch

6 Lessons & 10+ Projects



Hungry  
casey



Snake  
game



thinkab



# Game Development for Kids- Overview (2)

**AI**

## 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.

Language:  
Block based

Platform:  
Scratch

6 Lessons & 10+ Projects



Microscope



Pacman



## Advance Animation and Game Developer Certificate

## Module 5

### Game development

Learn basic programming concepts while designing games in Game Lab.

Language:  
Block based

Platform:  
Code.org (Game Lab)

6 Lessons & 15+ Projects



Catch me



Space  
adventure

## Module 6

### Advance Game development

Learn functional and complex programming along with velocity and collision detection.

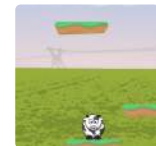
Language:  
Block based

Platform:  
Advance Game development

6 Lessons & 10+ Projects



Collision  
with Gillu



Save the  
Cow

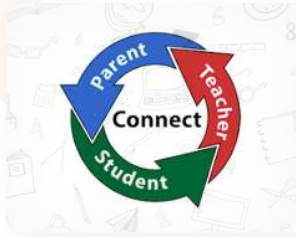


## Game Developer Certificate





# Top 10 benefits of learning at Codingal



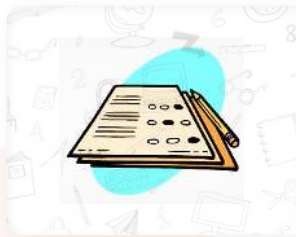
## 1. Regular PTM

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.



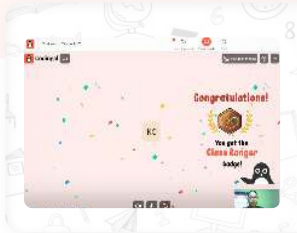
## 7. Lifetime access to class videos

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



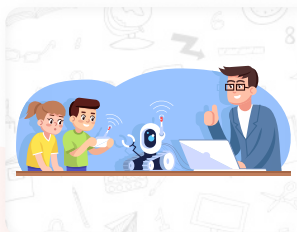
## 8. Lifetime access to resources

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.





# 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](#)



## Jumping UFO

Ricky Huang

[View Project](#)



# Students and parents love Codingal



**Renee Jose**

Codingal Student



Thanks to Codingal and my teacher. I am learning to code in a very engaging manner.



**Greg Cook**

Codingal Student



My teacher gives very clear instruction. With game development course by Codingal, I can create my own games.



**Kira Grant**

Codingal Student



I recently joined Codingal's Game development course, and I look forward to attending my classes. I learn so many new things everyday.



**Joel Jamal**

Codingal Student



I am thoroughly enjoying my classes! The course content is interesting and helps me focus better. I feel more confident about coding and science now.



thinkab



# 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



Combinator



Backed by

Accredited by



Got questions?  
Contact us  
anytime.

Send us a message



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

Call us



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