



# Codingal

Where kids love coding

Grade 3

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 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



thunkal



## 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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# 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



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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.



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HTML



CSS



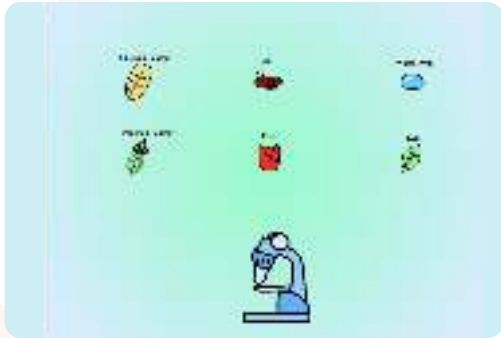
JAVASCRIPT





# Enhance Your Math and Science Concepts with Codingal

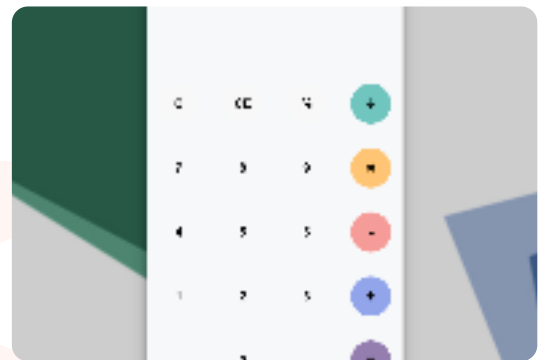
Blog



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.





# Coding Grandmaster- Overview (1)

A course for those who want to master the art of coding and create android applications, Websites and learn to write python programs.

144 Classes  
350+ Projects  
144 Quizzes



## Key learnings

- ✓ All Coding Prodigy learnings +
- ✓ Artificial intelligence
- ✓ Android App development
- ✓ Web development
- ✓ Python



## Achievements

- ✓ Conceptual clarity
- ✓ Analytical skills
- ✓ Confidence boost
- ✓ Student project

## Featured Projects



### Real world simulation

Create a real-world scenario using Sprite Lab.



### Get the Pie

Help the Angry Bird collect pies.

### Module 1

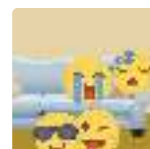
#### Animation

Learn basic programming constructs like command, sequencing and get comfortable with code blocks.

Language:  
Block based

Platform:  
Code.org (Sprite Lab)

6 Lessons & 25+ Projects



Fun with emoticons



Bounce ball

### Module 2

#### Interactive Games

Learn the application of time and direction with the help of various activities.

Language:  
Block based

Platform:  
Code.org (Sprite Lab)

6 Lessons & 20+ Projects



Conditionals with Bee



Dance party



## Unlock Sprite Developer Certificate

### Module 3

#### Critical Thinking

Learn how to use variables and arithmetic operators in different projects.

Language:  
Block based

Platform:  
Code.org (Play Lab)

6 Lessons & 15+ Projects



Gumball



Loops with Harvester



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# Coding Grandmaster- Overview (2)

## Featured Projects



### Calculator

Create a personalised calculator app.



### Animated Alien

Learn to design backdrops and move your sprite.

#### Module 4

### Single Player Games

Expand the space for imagination and develop a creative mind. Become a real coder and work on some complex games.

Language:  
Block based

Platform:  
Code.org (Play Lab)

6 Lessons & 15+ Projects



Ice Age



Tennis game

#### Module 5

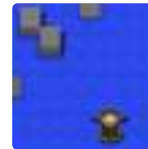
### Minecraft

Dive into the magical world of Minecraft. Develop your creative and problem solving skills.

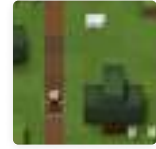
Language:  
Block based

Platform:  
Code.org (Minecraft )

6 Lessons & 15+ Projects



Voyage aquatic



Minecraft adventure



## Unlock Animator Certificate

#### Module 6

### Utility Apps

Learn how to design and build applications that have decent user design and user interaction.

Language:  
Block based

Platform:  
Code.org (App Lab)

6 Lessons & 15+ Projects



My app



Play time

#### Module 7

### Basic GUI Apps

Get introduced to the graphic tools like canvas and turtle. By using these tools you can draw and animate your drawings.

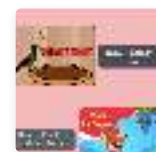
Language:  
Block based

Platform:  
Code.org (App Lab)

6 Lessons & 10+ Projects



Musical letters



Storybook App

#### Module 8

### Apps Using Database

Become an expert as an App developer. Learn to create advance apps like Personalised WhiteBoard.

Language:  
Block based

Platform:  
Code.org (App Lab)

6 Lessons & 10+ Projects



Virtual Zoo



Personalised whiteboard



## Unlock App Developer Certificate







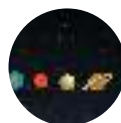
# Coding Grandmaster- Overview (3)

## Featured Projects



### Integer game

Combine Coding and Maths with this fun Integer game.



### Solar system

Learn about our Solar System with the amazing proeject.

#### Module 9

##### Logic Building

Improve your logical thinking to help you write programs easily. Solve problems to improve your aptitude.

Language:  
Block based

Platform:  
Code.org

6 Lessons & 15+ Projects



Jumbled words



Rings of Responsibility

#### Module 10

##### Game Development - I

Learn about the functions and controls of gaming elements. Build game using loops and counter variables.

Language:  
Block based

Platform:  
Code.org (Game Lab)

6 Lessons & 10+ Projects



Diamond search



Iron Man

#### Module 11

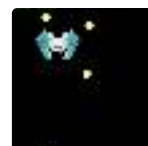
##### Game Development - II

Get introduced to functional parameters of gaming elements. Get ready to see magic in your game.

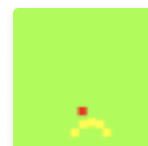
Language:  
Block based

Platform:  
Code.org (Game Lab)

6 Lessons & 10+ Projects



Space shooter



Squariads

#### Module 12

##### Advance Game Development

Learn functional programming in games and advance concepts such as velocity detection and sprite interaction.

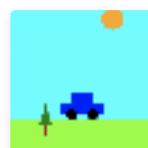
Language:  
Block based

Platform:  
Code.org (Game Lab)

6 Lessons & 10+ Projects



Sids balloon



Spriteless animation



## Unlock Game Developer Certificate

#### Module 13

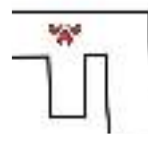
##### Basic Animation Development

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

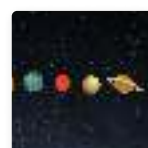
Language:  
Block based

Platform:  
Scratch

6 Lessons & 15+ Projects



Maze game



Solar system



# Coding Grandmaster- Overview (4)

## Module 14

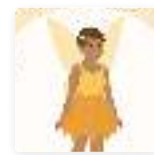
### Game Design - I

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

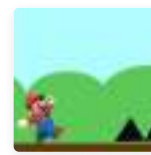
Language:  
Block based

Platform:  
Scratch

6 Lessons & 10+ Projects



KBC



Mario dash

## Module 15

### Game Design - II

Understand interlinking concepts with the help of Broadcast and Cloning in game.

Language:  
Block based

Platform:  
Scratch

6 Lessons & 10+ Projects



Integer game



Snake game



## Unlock Scratch Developer Certificate

## Module 16

### Artificial Intelligence Basic

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

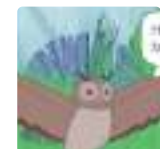
Language:  
Block based

Platform:  
AI Code 101

6 Lessons & 10+ Projects



Happy sad dog



Owl chatbot

## Module 17

### Artificial Intelligence Advance

Get introduced to speech recognition and Machine Learning.

Language:  
AI

Platform:  
AI Code 101

6 Lessons & 10+ Projects



Sorting hat



Tourist information



## Unlock AI Programmer Certificate

## Module 18

### UI/UX Design

Learn to build interactive and creative apps like Health App.

Language:  
Block based

Platform:  
Thunkable

6 Lessons & 15+ Projects



Mood counter



Touch me not

## Module 19

### Mobile App Development

Introduction to basics of Application development. Create exciting games like Space Warriors.

Language:  
Block based

Platform:  
Thunkable

6 Lessons & 10+ Projects



Image recognizer



Space warriors



# Coding Grandmaster- Overview (5)

## Featured Projects



### My sweet home

Learn Python concepts with the help of fun shape-making projects.



### Data type

Learn about the concept of data types with the help of block coding.

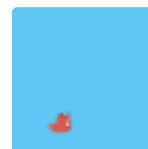
### Module 20

#### Native Applications

Learn how to build games and apps using cloud storage.

Language:  
Block based  
Platform:  
Thunkable

6 Lessons & 10+ Projects



Mole mash



Password strength checker



## Unlock Basic Android Application Developer Certificate

### Module 21

#### Shape making using Python

Learn Python using block-based programming. Create interactive shapes using the basic concepts of Python.

Language:  
Python  
Platform:  
Trinket

6 Lessons & 10+ Projects



My scenery view



Robo Master

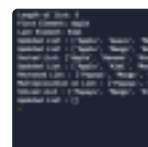
### Module 22

#### Python Programming

Learn how to write syntax in Python language. Get introduced to different data types, loops and more advanced concepts.

Language:  
Python  
Platform:  
Repl.it

6 Lessons & 15+ Projects



Work with lists



Fun with turtle



## Unlock Python Programmer Certificate

### Module 23

#### HTML Basics

Learn the basics of constructing and working a website. Create webpages using HTML.

Language:  
HTML  
Platform:  
Repl.it

6 Lessons & 15+ Projects



Tables



Youtube playlist

### Module 24

#### CSS Basics

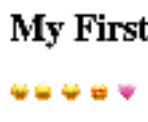
Learn how to make your webpages creative using cascading style sheets. Interlink multiple webpages to create a website.

Language:  
CSS  
Platform:  
Repl.it

6 Lessons & 15+ Projects



Registration form



My first website



## Unlock Web Developer Certificate



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# 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. 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



## Scary Diego

Avyakth

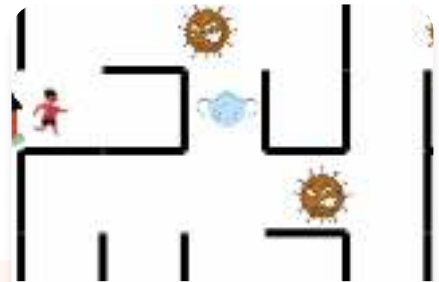
[View Project](#)



## Victory for the shark

Saifiyah

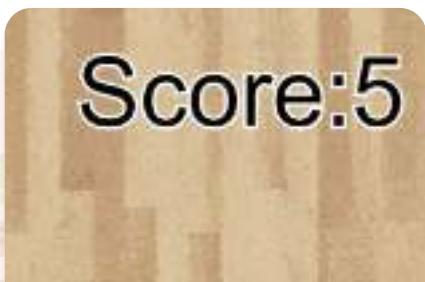
[View Project](#)



## 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 Saggur

[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.



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# 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



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# Begin your kid's coding journey

## Is your child ready for the future?

Start their coding journey with  
Codingal today.



thunko

# 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



## Got questions? Contact us anytime.

Send us a message



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



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