



Codingal

Where kids love coding

Grade 4

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





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



Blog

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



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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

JS



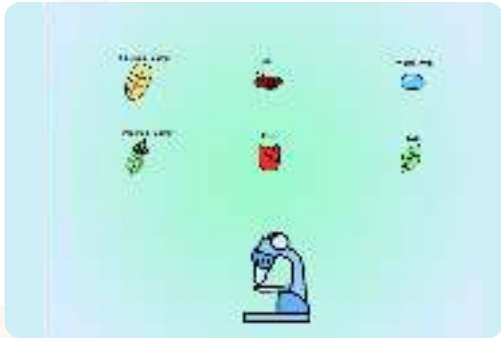
Covers K-12 Computer Science Framework compliant



Enhance Your Math and Science Concepts with Codingal



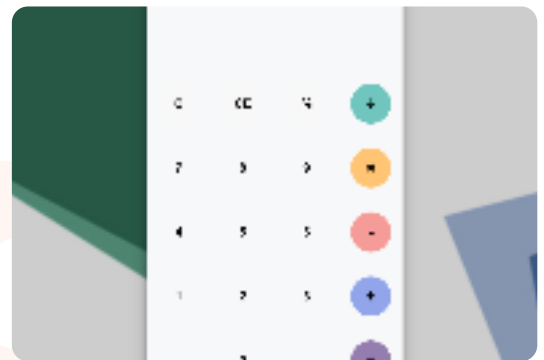
Bl



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.





Creator of tomorrow - Your kid's learning journey

Sprite Developer
Certificate



Coding Champion

48 Classes
100+ Projects
48 Quizzes

A course to advance your coding skills and build a deeper understanding of complex coding concepts.

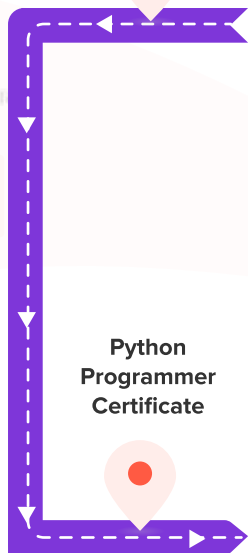
Animator
Certificate



Advance
Application
Developer
Certificate



AI Programmer
Certificate



Coding Prodigy

96 Classes
184+ Projects
96 Quizzes

A perfect course for kids who want to excel at coding and building complex games and applications.

Python
Programmer
Certificate



Coding Grandmaster

144 Classes
350+ Projects
144 Quizzes

A course for those who want to master the art of coding and create a better future through code.

Web Developer
Certificate



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Coding Champion- Overview (1)

A course to advance your coding skills and learn Game and app development using block coding.

48 Classes
100+ Projects
48 Quizzes



Key learnings

- ✓ Game development
- ✓ App development using App Lab
- ✓ Minecraft
- ✓ Scratch programming



Achievements

- ✓ Improved aptitude
- ✓ Critical thinking
- ✓ Structured codes
- ✓ App development

Featured Projects



Raindrop

Learn about variables with the help of Raindrop activity.



Calculator

Create a personalised calculator app.

Module 1

Animation and Storytelling

Learn basic programming while designing animations and puzzles in Minecraft.

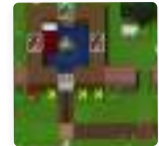
Language:
Block based

Platform:
Code.org
(Minecraft, Sprite Lab, Play Lab)

6 Lessons & 20+ Projects



Wobbling head



Minecraft



Unlock Animator certificate

Module 2

Basic Application Development

Learn to create interactive and multiscreen applications.

Language:
Block based

Platform:
Code.org (App Lab)

6 Lessons & 20+ Projects



Voter app



Smile Please

Module 3

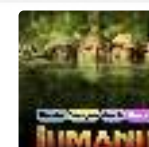
GUI Apps

Learn how to bring your imagination into reality and build a treasure hunt app.

Language:
Block based

Platform:
Code.org (App Lab)

6 Lessons & 20+ Projects



Jumanji



Treasure Hunt



Unlock App developer Certificate



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Coding Champion- Overview (2)

A course to advance your coding skills and learn Game and app development using block coding.

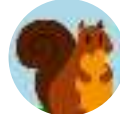
48 Classes
100+ Projects
48 Quizzes

Featured Projects



Dice

Bring out your creativity by creating this Dice roller app.



Collision with Gilu

Learn about collision of sprites by creating a bouncing ball game.

Module 4

Game Development

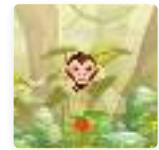
Learn basic programming concepts while designing games in Game Lab.

Language:
Block based

Platform:
Code.org (Game Lab)
6 Lessons & 15+ Projects



Spriteless animation



Catch Me

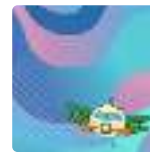
Module 5

Advance Game Development

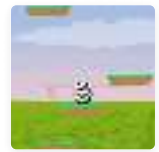
Learn functional and complex programming along with velocity and collision detection.

Language:
Block based

Platform:
Code.org (Game Lab)
6 Lessons & 10+ Projects



Rotation with plane



Save the cow



Unlock Game Developer Certificate

Module 6

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



Coordinate



Dress up Tera

Module 7

Game Design - I

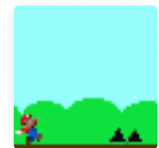
Get introduced to coordinates and broadcast while making fun games like Mario Dash.

Language:
Block based

Platform:
Scratch
6 Lessons & 10+ Projects



Happy Balls



Mario dash

Module 8

Game Design - II

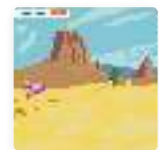
Understand interlinking concepts with the help of Broadcast and Cloning in game.

Language:
Block based

Platform:
Scratch
6 Lessons & 10+ Projects



Integer game



Hungry Casey



Unlock Scratch Developer Certificate



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Coding Prodigy- Overview (1)

A perfect course for kids who want to excel at coding and build complex android application and games.

96 Classes
184+ Projects
96 Quizzes



Key learnings

- ✓ All Coding Champion learnings +
- ✓ Artificial Intelligence
- ✓ App publishing
- ✓ Game development on Scratch



Achievements

- ✓ App, game development
- ✓ Conceptual clarity
- ✓ Analytical skills
- ✓ Capstone project

Featured Projects



Launch your Flybot

Learn how to use velocity in your game by creating a Flybot.



Save the cow

Rescue the cow from falling down the platforms.

Module 9

Advanced Game Design

Learn advanced animation effects and games like Pacman game.

Language:
Block based
Platform:
Scratch

6 Lessons & 10+ Projects



Microscope



Pacman

Module 10

Artificial Intelligence

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

Language:
AI
Platform:
Machine Learning for Kids
6 Lessons & 10+ Projects



Mailman



Happy Sad Dog

Module 11

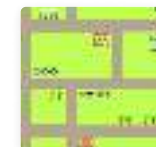
Machine Learning

Get introduced to speech recognition and Machine Learning.

Language:
AI
Platform:
Machine Learning for Kids
6 Lessons & 10+ Projects



Underfitting



Roaming



Unlock AI programmer Certificate



Coding Prodigy- Overview (2)

Module 12

Mobile App Development

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

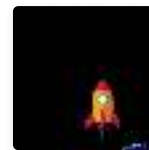
Language:
Block based

Platform:
Thunkable

6 Lessons & 10+ Projects



Health App



Space warriors

Module 13

Utility Apps

Learn to create an application that can check the strength of your password.

Language:
Block based

Platform:
Thunkable

6 Lessons & 10+ Projects



Check list app



Password strength checker



Unlock Basic Android Application Developer Certificate

Module 14

Native Applications

Learn how to build games and apps using cloud storage.

Language:
Block based

Platform:
Thunkable

6 Lessons & 10+ Projects



Snap it



All in one App

Module 15

App Publishing

Learn how to pass data through Firebase and create exciting applications. Also publish your application on Play Store.

Language:
Block based

Platform:
Thunkable

6 Lessons & 10+ Projects



Sign in screen



Login App



Unlock Advance Android Application Developer Certificate

Module 16

Frontend Development

Learn about basics of web, and create your own webpages using HTML.

Language:
HTML

Platform:
Repl.it

6 Lessons & 20+ Projects



Tables



Youtube playlist



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Coding Grandmaster- Overview (1)

A course for those who want to master the art of coding and build a deeper understanding of complex coding concepts for website development and Python.

144 Classes
350+ Projects
144 Quizzes



Key learnings

- ✓ All Coding Prodigy learnings +
- ✓ App publishing
- ✓ JavaScript
- ✓ Advance Website development
- ✓ Python



Achievements

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

Featured Projects



Integer Game

Combine Coding and Maths with this fun Integer game.



Microscope

Learn how to use science concepts with coding by creating a Microscope.

Module 17

Webpage Styling

Learn to make your webpages more attractive by styling them using CSS.

Language:
CSS

Platform:
Repl.it

6 Lessons & 20+ Projects

My First Emoji

Emoji magic

Registration Page

Registration form

Module 18

Web App Development

Learn about bootstrap which will help to make the website responsive.

Language:
HTML CSS

Platform:
Repl.it

6 Lessons & 20+ Projects



Bootstrap carousel



Containers in Bootstrap



Unlock Web Developer Certificate

Module 19

Advanced Front-end Development - I

Get introduced to JavaScript programming. Learn to create animations and make the website more interactive.

Language:
HTML CSS JS

Platform:
Repl.it

6 Lessons & 20+ Projects



Portfolio website



Square animation



Coding Grandmaster-Overview (2)

Module 20

Hosting Personal Websites

Create your own website and host it on the internet.

Language:
HTML CSS JS

Platform:
Repl.it

6 Lessons & 2+ Projects



Capstone
project



Unlock Advance Website Developer Certificate

Module 21

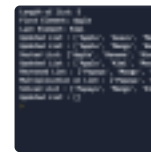
Python Programming

Create intricate patterns and animations using basic concepts of Python.

Language:
Python

Platform:
Repl.it

6 Lessons & 25+ Projects



Work with
lists



Fun with
turtle

Module 22

Object Oriented Programming

Learn about classes and objects.
Create a Phonebook application.

Language:
Python

Platform:
Repl.it

6 Lessons & 25+ Projects



Patterns



Phone book

Module 23

Game Development on Python

Create advanced level games using Modules and Libraries in Python.

Language:
Python

Platform:
Repl.it

6 Lessons & 25+ Projects



Rock Paper
scissor :



Unlock Python Programmer Certificate

Module 24

JS App Development

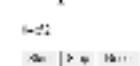
Learn about app development using Javascript.

Language:
JS

Platform:
Repl.it

6 Lessons & 10+ Projects

Stopwatch



Stopwatch

Add your To Do List



To Do List



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.



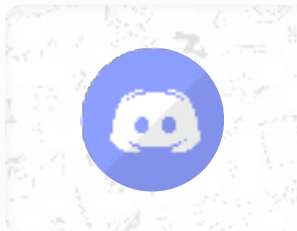
8. Lifetime access to resources

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



Killing Corona

Azlan Tashildar

[View Project](#)



Space war

Ishan Jadhav

[View Project](#)



Animal Guessing App

Anvi Sikchi

[View Project](#)



Talking duck

Luv

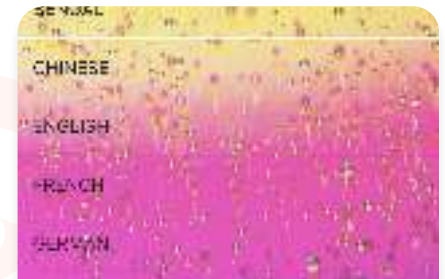
[View Project](#)



Find Me!

Megha Rae

[View Project](#)



Translator App

Devansh

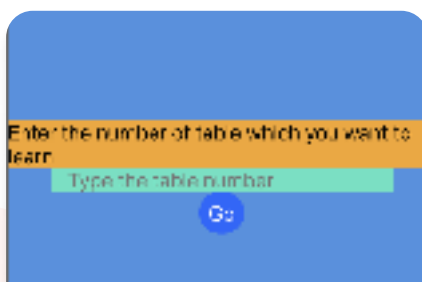
[View Project](#)



Daily Explorer

Ashutosh Panda

[View Project](#)



Fun with Tables

V Sreevatsav

[View Project](#)



Multiplication Table

Aditya Nayak

[View Project](#)





Students and parents love Codingal



MVL Nikhila

Codingal parent



The teachers at Codingal build a wonderful bond with their students and make sure the learning process is fun and interactive.



Babar

Codingal Student



Codingal offers an enhanced code learning experience compared to free resources and helped me learn faster.



Saaransh Bansal

Codingal Student



I'm glad to have learnt coding with Codingal. I now have two apps published on the Google Play Store.



Aamer Akram

Codingal Parent



Our overall experience with this team till now is quite fabulous so far.



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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



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