Codingal
Where kids love coding

Grade 1

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

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

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

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

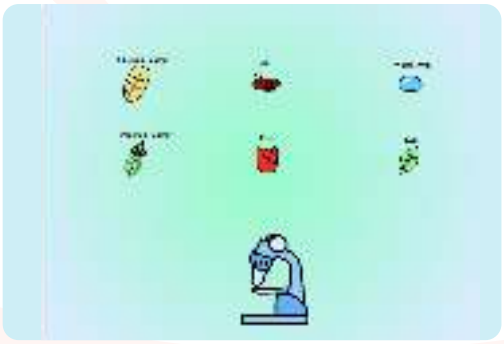
The BIDE (Broad, Inspiring, Deep and Efficient) model has been developed by Codingal in-house to ensure that our curriculum caters to the unique learning style of every child.

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.

Covers K-12 Computer Science Framework compliant

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.

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

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 probelm 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

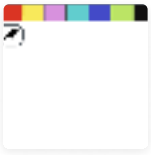
Become an expert as an App developer. Learn to create advance apps like Personalised WhiteBoard.

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 proejct.

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

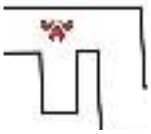
Basic Animation Development

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 HTM.

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

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

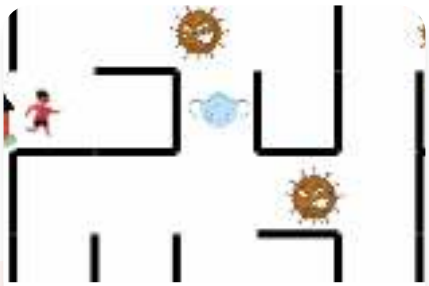
Avyakth

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 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 coding journey

Is your child ready for the future?

Start their 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

Accredited by STEM.org

Backed by

Y Combinator

Got questions? Contact us anytime.

Send us a message

support@codingal.com

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