Codingal
Where kids love coding

Grade 9

Hello ! Young Coders

Get ready to Fall in love with coding

Accredited by

STEM.ORG ACCREDITED EDUCATIONAL EXPERIENCE

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

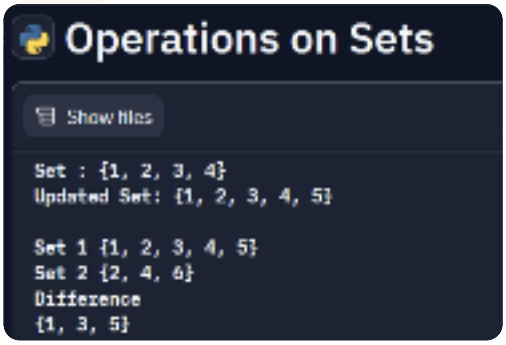
The BIDE (Broad, Inspiring, Deep and Efficient) model has been developed by Codingal in-house to ensure that our curriculum caters to the unique learning style of every child.

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

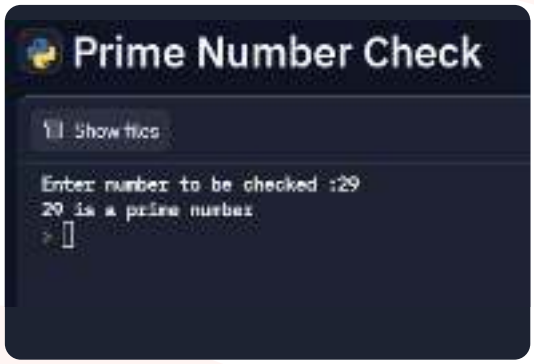
Enhance your kid's Math and Science concept with Codingal



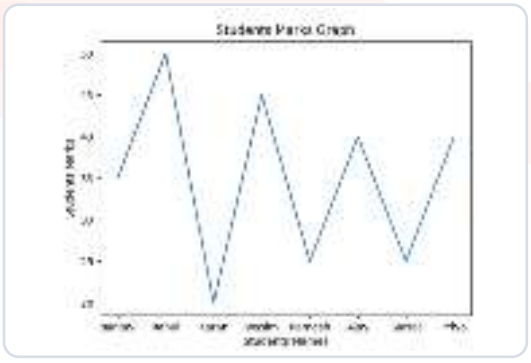
Set Operations

Our engineered coding courses cover essential math concepts like prime numbers, factorials, sets, statistics, probability, etc., helping students understand the concepts and implement them in the practical world. It also helps them in building strong logic for problem-solving.

Coders must strengthen their algorithmic and computational thinking to write a line of code that works well and is bug-free. And what is a possible way of thinking at their core? Math.



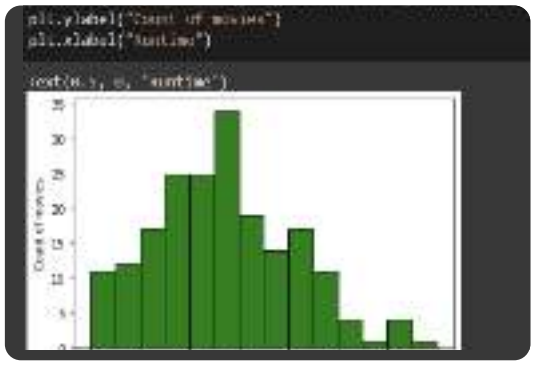
Prime Number Check



Students' Marks Graph

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

With all the data available, Math plays a vital role in identifying various patterns and answering questions to explain human behavior for implementing the same while automating a task. And this is where coding and Math go hand in hand.



IMDB Ratings Data Analysis

Coding Prodigy- Overview (1)

A perfect course for kids who want to excel at Python programming and get introduced to the world of Data Science.

96 Classes
184+ Projects
96 Quizzes

Key learnings

- Basics of Data Science
- Advance Python
- SQL

Achievements

- Logic Building
- Critical Thinking
- Problem Solving Skills
- Capstone Project

Featured Projects

Bootstrap Carousel

Use carousels to add slideshows of pictures to make your webpage more interactive.

Registration Form

Use HTML to create your own registration form Web Page.

Module 1
Front-End Development

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

Language:
HTML

Platform:
Repl.it

6 Lessons & 20+ Projects

Fieldset in HTML

Tables in HTML

Module 2
Webpage Styling

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

Language:
CSS

Platform:
Repl.it

6 Lessons & 20+ Projects

Opacity Property

Typography

Module 3
Web App Development

Learn about bootstrap which will help to make the website responsive. Use numerous HTML and CSS templates for UI interface elements.

Language:
HTML CSS

Platform:
Repl.it

6 Lessons & 20+ Projects

Border and Container

Carousel

Unlock Web Developer Certificate

Coding Prodigy- Overview (2)

Featured Projects

Calculator
Create a standard calculator using HTML, CSS and Javascript.

Bank App
Create a web application that tells you your current balance based on your transaction history.

Module 4
Advanced Front-end Development - I

Get introduced to JavaScript programming. Learn to add interactive behavious to a webpage using Javascript.

Language:
HTML CSS JS

Platform:
Repl.it

6 Lessons & 25+ Projects

JS String Methods

Real-time Application

Module 5
Advanced Front-end Development - II

Get ready to add extraordinary behaviours to your web pages through advance concepts of JavaScript.

Language:
HTML CSS JS

Platform:
Repl.it

6 Lessons & 25+ Projects

JS While Loop

Search and Replace String

Module 6
Capstone Project

Create your own website using HTML, CSS and Javascript.

Language:
HTML CSS JS

Platform:
Repl.it

6 Lessons & 5+ Projects

Simple Calculator

Social Media

Unlock Frontend Developer Certificate

Module 7
Python Basics

Learn about Python basics including conditional statements, loops and functions.

Language:
Python

Platform:
Repl.it

6 Lessons & 25+ Projects

Rainbow Spiral

Star Pattern

Module 8
Advanced Python

Learn about Python data structures and Object Oriented Programming.

Language:
Python

Platform:
Repl.it

6 Lessons & 25+ Projects

List to Dictionary

Polymorphism

Coding Prodigy- Overview (3)

Featured Projects

Denomination Calculator

Create a Denomination Calculator App using Tkinter Library of Python.

Prime Number

Program to check whether number entered by the user is prime or not.

Module 9

Python Specialization

Get introduced to File Handling and Python library Tkinter that can help create GUI applications.

Language:
Python

Platform:
Repl.it

6 Lessons & 20+ Projects

Image Makes It Better

Tkinter Widgets

Unlock Python Programmer Certificate

Module 10

Data Structures - 1

Work on different Python problems to build strong Mathematical Logic.

Language:
Python

Platform:
Repl.it

6 Lessons & 20+ Projects

Strong Arms

That's a Fact

Module 11

Data Structures - 2

Learn about bit-wise operations to use it to improve your code's efficiency.

Language:
Python

Platform:
Repl.it

6 Lessons & 20+ Projects

Implement Bitwise

Power of 4

Unlock Advance Python Developer Certificate

Module 12

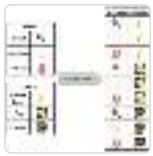
SQL using python I

Learn about SQL, its syntax, and its commands.

Language:
Python

Platform:
Repl.it

6 Lessons & 15+ Projects



Joins

Query inside Query

Coding Prodigy- Overview (4)

Module 13
SQL using python II

Learn about Advance features in SQL.

Language:
Python

Platform:
Repl.it

6 Lessons & 15+ Projects

Guess the Database

Match the Tables

SQL Developer Certificate

Module 14
Introduction to Data Science

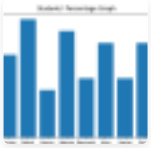
Learn about Data Science and the commonly used libraries of Python-like Numpy, Pandas, Matplotlib and Seaborn.

Language:
Data Science

Platform:
Google collab

6 Lessons & 10+ Projects

Penguin Data Visualization Project



Student Marks Bar Plot

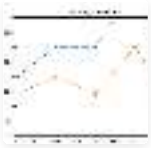
Module 15
Data Visualization

Learn how to draw insights from data using visualization in Python.

Language:
Python

Platform:
Google collab

6 Lessons & 10+ Projects



Velocity Time Graph

Data Cleaning

Module 16
Data Science Concepts - 1

Learn concepts of statistics and how to use them in Data Science.

Language:
Data Science

Platform:
Google collab

6 Lessons & 15+ Projects

Iris Data Survey

Titanic Survival EDA

Unlock Data Scientist 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

AirQuality

Hussain Wangrelwala

View Project

Climate change effects

Shambhavi Barnwal

View Project

Food recipe

Shobhita

View Project

Cov-Fight

Ansh Singh

View Project

Fight against Corona

Yuvraj Naik

View Project

Climate change website

Aditya Verma

View Project

Rock Paper Scissor

P.Anarghya

View Project

Reduce, reuse and recycle

Aditya Kumar Gupta

View Project

Random password generator

Ganeev Singh Tuteja

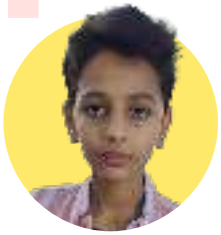
View Project

Students and parents love Codingal

Ashok Kumar Jha

Codingal Parent

My son is now an expert in web development, all thanks to the excellent teachers on Codingal.



Tarun Patidar

Codingal Student

Codingal has helped me become an accomplished coder by making the learning process fun and interactive. Codingal teachers are very helpful and they always address my queries.

Akshat Agarwal

Codingal Student

I have learnt to develop games and apps, thanks to Codingal.

Pramod Nandankar

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, Berkshire Partners

Got questions? Contact us anytime.

Send us a message

support@codingal.com