Codingal

Grade 1

Hello ! Young Learners

Get ready to fall in love with Math

Accredited by

STEM.ORG ACCREDITED™ EDUCATIONAL EXPERIENCE

Rate 4.6 out of 5

Trustpilot

Backed by

Y Combinator

About Codingal

Our Mission: To inspire kids to fall in love with Math

Codingal offers online math classes for K-12 students, where kids and teens learn math concepts through live, interactive sessions with expert instructors. Our mission is to build the world's best and most loved online math learning platform for kids and teens, blending traditional teaching with innovative techniques and tools.

All our instructors have strong backgrounds in math and engineering, and they are rigorously vetted and trained. Each student receives a personalized learning path with individual attention in 1:1 private classes. Students learn math through real-life applications, hands-on problem-solving, and interactive activities that make learning fun and exciting.

Kids find Codingal's math classes highly engaging and inspiring. 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 math and provide the right education that empowers them to solve real-world problems, think critically, and build a strong foundation for the future as innovators, engineers, scientists, and entrepreneurs.

Learning Outcomes

Number Sense & Place Value

Read, write, and recognize numbers up to 100 in numeric and word forms. Count forward and backward from 1 to 100 to reinforce number sequencing and patterns. Identify tens and ones in two-digit numbers to build a strong place value foundation.

Comparing & Ordering Numbers

Compare two-digit numbers using greater than, less than, and equal to symbols. Order numbers in ascending and descending order with number lines and visual aids. Express two-digit numbers in expanded form and understand ordinal numbers through games and real-world examples.

Addition & Subtraction

Practice addition and subtraction with and without regrouping, including carrying over and borrowing. Solve real-world word problems and use inverse operations to verify answers. Apply the commutative and associative properties of addition.

Multiplication & Patterns

Learn multiplication as repeated addition and practice tables from 1 to 10. Recognize multiplication patterns and reinforce skills through interactive exercises. Identify, create, and extend patterns using objects, numbers, and shapes.

Measurement & Time

Measure length, weight, and volume using standard units. Tell time on analog and digital clocks, read calendars, and understand money values through hands-on activities.

Geometry & Spatial Awareness

Identify defining attributes of 2D and 3D shapes, explore symmetry, and use directional terms to navigate grids. Partition shapes into equal parts and recognize symmetry in real-world objects.

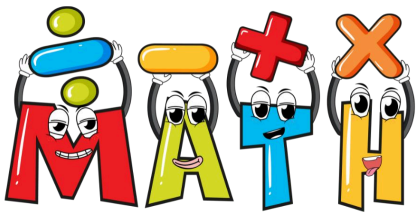
Data & Probability

Interpret visual data, draw conclusions, and make predictions through hands-on activities.

Math Curriculum (Grade 1)

Topics	Module	Lesson Titles
01. Number and Operations in Base Ten 	Number and Operations in Base Ten	Number Upto 10
		Number Upto 20
		Number Upto 50
		Number Upto 100
		Number Upto 120
		Forward and Backward Counting (1 - 50)
		Forward and Backward Counting (51 - 100)
		Understanding Place Value (Tens and Ones)
		Review of Understanding Place Value (Tens and Ones)
		Comparing Numbers (Greater Than, Less Than)
		Ordering Numbers(Least to Greatest, Greatest to Least)
		Expanded From of Two - Digit Numbrs
		Introduction to ordinal NUmber

Math Curriculum (Grade 1)

Topics	Module	Lesson Titles
02. Operations and Algebraic Thinking 	Addition and Subtraction without regrouping	Basic Addition (Within 10)
		Basic Addition (Within 20)
		Basic Subtraction (Within 10)
		Basic Subtraction (Within 20)
		Zero as a Placeholder (Neutral)
		Adding Tens (Within 100)
		Subtracting Tens (Within 100)
		Introduction to Addition of Two-Digit Numbers
		Addition of Two-Digit Numbers (Without Regrouping)
		Introduction to Subtraction of Two-Digit Numbers
		Subtraction of Two-Digit Numbers (Without Regrouping)
		Word Problems for Addition
		Word Problems for Addition (Extended)
		Word Problems for Subtraction
		Word Problems for Subtraction (Extended)
	Two-Digit Addition and Subtraction (With Regrouping)	Addition with Regrouping (Carrying Over)
		Subtraction with Regrouping (Borrowing)
		Combining Addition and Subtraction in Word Problems
	Inverse Operations	Understand Addition and Subtraction as Inverse Operations
		Using Inverse Operations to Check Answers
	Commutative Property	Introduction to the Commutative Property and Associative property of Addition
		Commutative Property and Associative property of Addition (Practice)

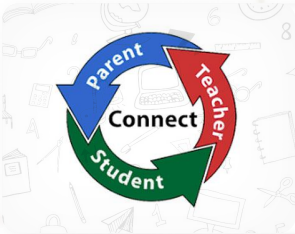
Math Curriculum (Grade 1)

Topics	Module	Lesson Titles
	Multiplication	Introduction to Multiplication
		Multiplying by 2 (Table of 2) also skip counting by 2
		Multiplying by 5 (Table of 5) and 10 (Table of 10) also skip counting by 5 and 10
		Multiplication Tables 1 to 5
		Multiplication Tables 6 to 10
		Multiplication Word Problems
03.Measurement 	Introduction to Length Measurement	Introduction to Length Measurement
		Measuring Length (Centimeters and Inches)
		Measuring Length (Meters and Feet)
		Comparing Lengths
	Introduction to Weight Measurement	Introduction to Weight Measurement
		Measuring Weight (Grams and Ounces)
		Measuring Weight (Kilograms and Pounds)
		Comparing Weight
	Introduction to Time	Introduction to Telling Time
		Telling Time
	Introduction to the Calendar	Understanding the Calendar
	Introduction to Money	Introduction to Money
		Counting Money

Math Curriculum (Grade 1)

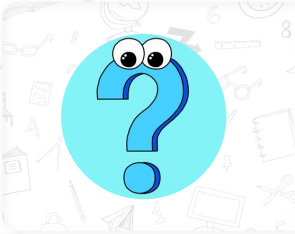
Topics	Module	Lesson Titles
04. Geometry 	Spatial Sense (Position and Direction)	Understanding Position
		Understanding Directional Language
		Following Directions on a Grid
	Shapes and Properties	Defining vs Non-Defining Attributes
		Building Shapes with Defining Attributes
		Composing 2D Shapes
		Composing 3D Shapes
		Partitioning Shapes into Equal Shares
	Symmetry	Identifying Symmetrical Shapes
		Exploring Lines of Symmetry
		Exploring Symmetry in Nature
	Patterns	Recognizing and Identifying Patterns
		Creating Repeating Patterns
		Pattern with Shapes and Colors
		Patterns in Nature and Art
05.Data Handling 	Data handling	Collecting and Representing Data
		Interpreting Bar Graphs
		Organizing Data into Tables

Top 10 benefits of learning at Codingal



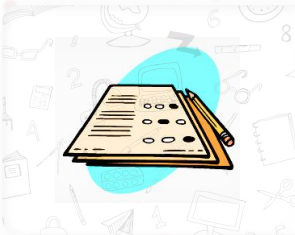
1. Regular PTM

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 & Worksheets

After each class, students get a quiz and worksheets to reinforce learning. These engaging, gamified exercises ensure their understanding is checked and make practice exciting.

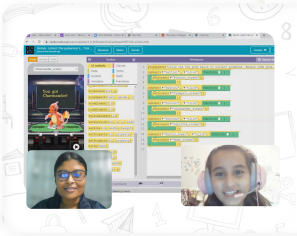
4. Global Curriculum Expertise

Codingal offers courses tailored to major international and national curricula, including US Common Core (USCC), Australian Curriculum, IB, British Curriculum, IGCSE, CBSE, ICSE, and more. Our expert teachers specialize in these curricula.

5. Course Customization

Whether before starting or anytime during your child's learning journey, you can get a personalized course tailored to align with their school curriculum, exams, Olympiad preparation, or competition needs.

Top 10 benefits of learning at Codingal

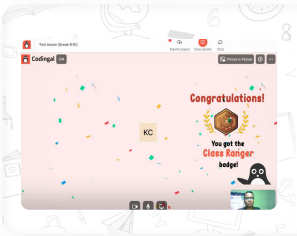


6. Live personalized classes

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 Recordings & Notes

Forgot what was taught in the last class? No worries. Watch the recorded class video anytime to refresh your memory. Get lifetime access to our exclusive learning content including interactive worksheets, videos, and other resources.



8. Gamified learning

Codingal makes learning fun with gamification. Students can take quizzes or complete projects to earn points, badges, and rewards.

9. Thrilling competitions

Regular competitions are conducted to encourage students to showcase their skills and develop their ideas.

10. Learning Certificates

Show the world what you can do with a certificate for every amazing skill you master.

Students love Codingal

Mohau Motang
South Africa

> Math was tough for me but now it has become easy and interesting because of Codingal.

Mahira Khan
Sweden

> My problem solving skills have improved drastically because of Codingal!

Alika Persaud
South Africa

> Because of Codingal Math, I have massive improvement in my grades!

Zunaira Rizwan
Pakistan

> Codingal has made me excellent in math

Trustpilot
4.6 out of 5

Google
4.8 out of 5

facebook
5 out of 5

Codingal empowers kids to become innovators of the future

Why this curriculum?

Accredited by STEM.org

Rated 4.5 out of 5 by students and parents on Trustpilot

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 Codingal's curriculum

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.

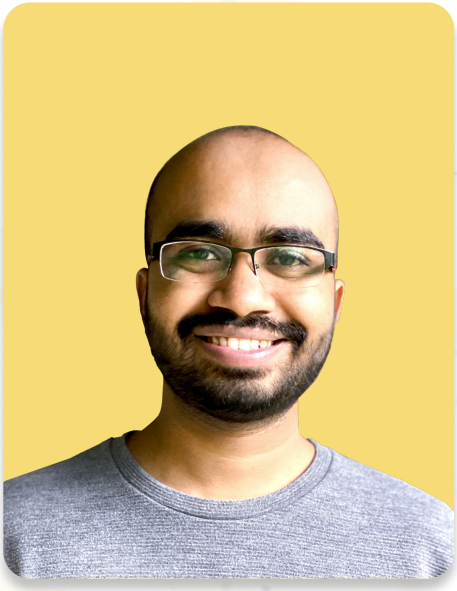
Covers K-12 Computer Science Framework compliant

Math - Foundation for the Future

"Math is the foundation of all sciences and a universal language. It's the key to unlocking solutions in business and innovation."
- Elon Musk

“Pure mathematics is, in its way, the poetry of logical ideas”
- Albert Einstein

A note from Codingal Founders



Mathematics is the language of possibility, unlocking the door to a world of innovation discovery, and endless potential. Our teachers open the doors for kids to explore the potential and beauty of Math.

Vivek Prakash

Co-founder & CEO
B.Tech & M.Tech, IIT Roorkee

LinkedIn

Mathematics is not only about numbers, equations, and algorithms; it is about understanding and exploring the patterns that shape our world.

Satyam Baranwal

Co-founder & COO
B.Tech, IIT Dhanbad

LinkedIn

Make your kid's math journey fun and inspiring

Is your child ready for the future?

Visit www.codingal.com

Try a free lesson!

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

STEM.org ACCREDITED EDUCATIONAL EXPERIENCE

Backed by

Y Combinator, REBRIGHT PARTNERS

Got questions? Contact us anytime.

Send us a message

support@codingal.com

Codingal
Where kids love coding