Codingal

Grade 3

Hello ! Young Learners

Get ready to fall in love with Math

Accredited by
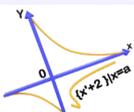
STEM.ORG ACCREDITED™ EDUCATIONAL EXPERIENCE

Excellent by

Trustpilot
★★★★★

Backed by

Y Combinator

About Codingal

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.
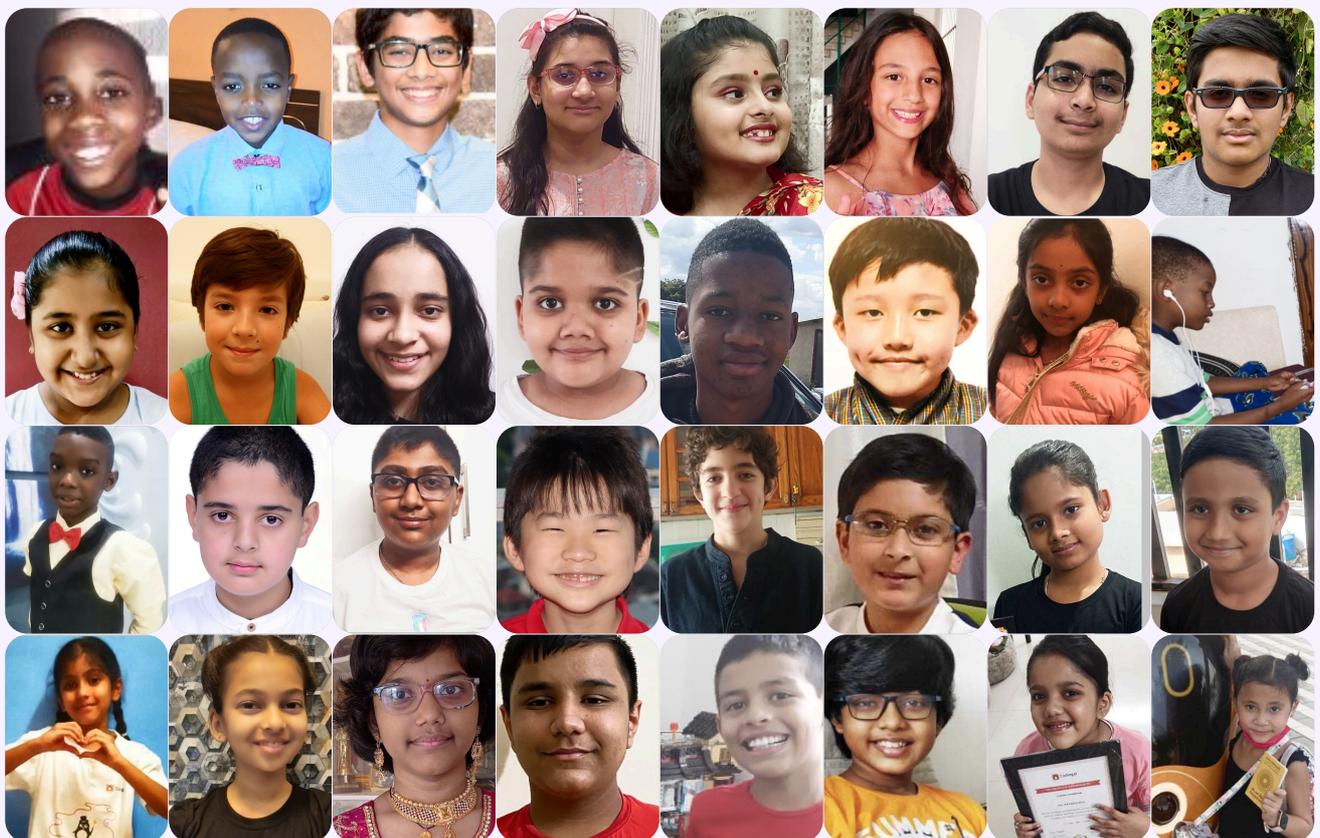
Learning Outcomes

Number Sense & Place Value

Represent numbers up to 10,000 in numerals, words, and place value forms. Compare, order, and classify numbers as odd or even. Develop fluency in skip counting, recognizing patterns, and applying place value strategies to addition and subtraction.

Operations & Estimation

Perform addition and subtraction with and without regrouping, using mental math and estimation for accuracy. Apply inverse operations to verify answers and solve word problems efficiently. Use rounding strategies to simplify calculations in real-world scenarios.

Multiplication & Division

Recall multiplication and division facts up to 15, apply mental strategies like repeated addition and halving, and solve real-world problems involving grouping, sharing, and distributing items. Use number models and visual aids to enhance understanding.

Fractions & Decimals

Compare, order, and simplify fractions using visual models. Convert fractions to decimals and apply decimal operations in practical situations such as measuring and budgeting.
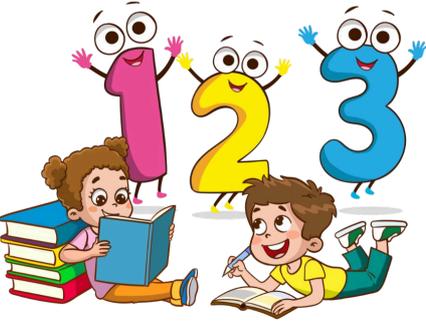
Geometry & Measurement

Identify, classify, and measure 2D and 3D shapes. Calculate perimeter and area, measure angles using a protractor, and explore symmetry. Use measurement tools to determine length, mass, and capacity.

Patterns, Probability & Data

Extend and create numeric and geometric patterns, solve equations, and analyze data using graphs and pictograms. Explore basic probability through experiments and predictions. Apply coordinates to mapping and data organization.

Math Curriculum (Grade 3)

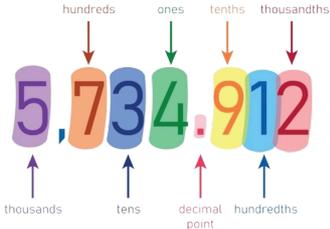| Topics	Module	Lesson Titles
01. Number Sense & Numeration	**Number Representation**	Represent numbers up to 1,000
		Represent numbers up to 10,000
	Number Comparison	Compare numbers up to 1,000
		Compare numbers up to 10,000
	Odd and Even Numbers	Identify odd numbers
		Identify even numbers
	Place Value	Understand place value for 3-digit numbers
		Understand place value for 4-digit numbers
		Test - The Treasure Hunt
	Place Value Operations	Use place value for addition. Part 1
		Use place value for addition. Part 2
		Use place value for subtraction
	Counting	Count forward by 10s, 20s, and 50s
		Count forward by 100s, 200s, and 250s
	Backward/Reverse Counting	Count backward by 10s, 20s, and 50s
		Count backward by 100s, 200s, and 250s
		Test - The Peppa Pig
	Rounding	Round off 4-digit numbers to the nearest 10
		Round off 4-digit numbers to the nearest 100
		Round off 4-digit numbers to the nearest 1,000

Math Curriculum (Grade 3)

Topics	Module	Lesson Titles
02. Addition & Subtraction	Mental Arithmetic	Add numbers mentally within 100
		Subtract numbers mentally within 100
	Mental Arithmetic (Advanced)	Add numbers mentally within 1,000
		Subtract numbers mentally within 1,000
		Test - The Construction Site
	Formal Methods	Add using formal written methods
		Subtract using formal written methods
	Estimation	Estimate sums
		Estimate differences
	Inverse Operations	Use inverse operations to check addition
		Use inverse operations to check subtraction
03. Multiplication & Division	Multiplication Facts	Recall multiplication facts: 1 to 10 tables
		Recall multiplication facts: 10 to 15 tables
		Practice multiplication (1 to 15)
		Test - The Island Rescue
	Division Facts	Recall division facts for small numbers up to 15
	Multiplication Strategies	Multiply using mental strategies
		Multiply within 100 for practical scenarios
	Division Strategies	Divide using mental strategies
		Divide within 100 for practical scenarios
	Real-World Problems	Solve real-world multiplication problems
		Solve real-world division problems
		Solve real-world Multiplication and Division
		Test - The Royal Challenge

Math Curriculum (Grade 3)

Topics	Module	Lesson Titles
04. Fraction and Decimals	Fractions	Understand fractions as parts of a whole
		Represent fractions on a number line
		Compare fractions visually
		Recognize equivalent fractions
		Order fractions by size
	Decimals	Count in tenths
		Relate tenths to decimals
	Fractions in Practical Use	Apply fractions to practical situations
		Test - The Space Adventure
05. Geometry & Measurement	Introduction to Geometry	Introduction to Geometry & Basic Shapes
		Types of Lines
	Measurement	Measuring Length Using Rulers and Tapes
		Perimeter of 2D Shapes
	Angles and Symmetry	Introduction to Angles and Measurement
		Symmetry in 2D Shapes
	Area and 3D Shapes	Area of Squares and Rectangles
		Identifying 3D Shapes
	Time, Mass, and Capacity	Telling Time on Clocks
		Understanding Mass and Capacity
		Test - The Desert Quest

Math Curriculum (Grade 3)

Topics	Module	Lesson Titles
06. Patterning & Algebra	Numeric Patterns	Extend numeric patterns
		Create numeric patterns
	Geometric Patterns	Recognize geometric patterns
		Extend geometric patterns
		Represent patterns using diagrams
	Equations and Equality	Solve equations using patterns
		Explore equality between expressions
		Test - The Sea Quest
07. Probability & Chance	Chance and Variation	Conduct chance experiments
		Record and analyze outcomes from experiments
08. Data Management & Statistics	Grid and Data Representation	Describe positions on a grid
		Collect and organize data into tables
	Graphing	Display data using bar graphs
		Display data using pictograms
	Data Problems	Solve one-step problems using data
		Solve two-step problems using data
		Test - The Dragon Mission

Top 10 benefits of learning at Codingal
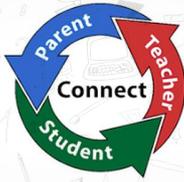
1. Regular PTM

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.
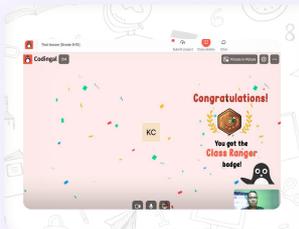
8. Gamified learning

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**

★ ★ ★ ★ ★

TrustScore **4.8** | **425** reviews

Google

★ ★ ★ ★ ★

4.6 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."
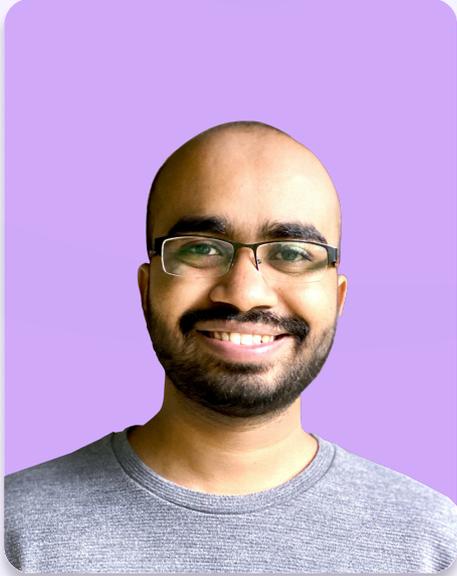> - Elon Musk

> "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

in **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

in **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

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EDUCATIONAL EXPERIENCE

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Got questions? Contact us anytime.

Send us a message
✉ support@codingal.com

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