



Codingal



Grade 4

Hello ! Young Learners

Get ready to fall in love with Math

Accredited by



Rate 4.6 out of 5



Backed by



$$\sum_{1=2}^2 x,y$$

$$\pi^2$$



$$y = x^2 + 2$$
$$y = x$$

$$\sqrt[2]{3}$$





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.





Key Learning

Number Sense & Place Value

Develop a strong understanding of place value up to the millions and decimals to the hundredths. Write, expand, compare, and order multi-digit numbers using number lines and solve real-world problems involving place value.

Operations & Estimation

Round whole numbers to the nearest 10, 100, and 1,000. Perform addition, subtraction, multiplication, and division with multi-digit numbers and decimals. Apply estimation and rounding strategies in real-life contexts.

Factors, Multiples & Divisibility

Understand the order of operations (PEMDAS) and apply it to solve expressions correctly. Identify factors and multiples, differentiate between prime and composite numbers, and apply divisibility rules for numbers 2 to 12.

Fractions & Decimals

Develop a foundational understanding of fractions, including representation, comparison, and operations with like denominators. Convert between fractions and decimals and apply decimal operations in real-world contexts.

Measurement & Time

Convert between units of length, weight, volume, and perimeter. Read analog and digital clocks, calculate elapsed time, and perform temperature conversions between Celsius and Fahrenheit.

Geometry & Coordinate Plane

Classify and analyze 2D and 3D shapes, calculate area and perimeter, and explore symmetry and tessellations. Plot points, identify ordered pairs, and draw shapes on the coordinate plane.

Patterns, Probability & Data

Identify, generate, and analyze number patterns. Apply probability concepts to predict outcomes and interpret data using graphs and measures of central tendency.



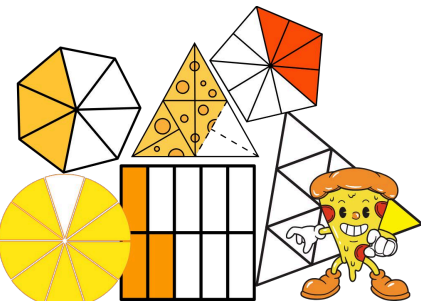

Math Curriculum (Grade 4)

01. Numbers and Operations

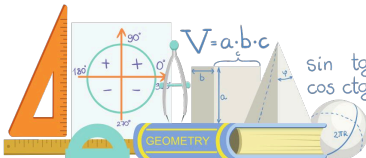
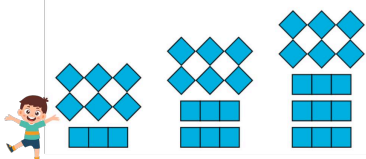


Topics	Module	Lesson Titles
	Understanding Place Value and Multi-digit Numbers	Introduction to Place Value
		Writing and Expanding Multi digit number
	Comparing Numbers Based on Place Value	Comparing and Ordering Numbers
		Real-world Applications of Place Value
	Rounding	Rounding Numbers
		Practical Applications of Rounding
	Operations on Multidigit Numbers	Addition of Multi-Digit Numbers
		Subtraction of Multi-Digit Numbers
		Basics of Multiplication
		Word Problems in Multiplication
		Basics of Division
		Word Problems in Division
	Introduction to PEMDAS (Simplified Version)	Mastering the Basics of PEMDAS
	Factors and Multiples	Understanding Factors
		Understanding Multiples
		Prime and Composite Numbers
		Applying Factors and Multiples
	Divisibility	Introduction to Divisibility Rules (2 to 5)
		Divisibility by 6, 7, and 8
		Divisibility by 9, 10, 11, and 12
		Solving Word Problems with Divisibility
		Multistep word problems

Math Curriculum (Grade 4)



Topics	Module	Lesson Titles
02.Fractions and Decimals 	Introduction to Fractions	Introduction to Fractions
		Comparing and Ordering Fractions
		Simplifying and Generating Equivalent Fractions
		Adding Fractions with Like Denominators
		Subtracting Fractions with Like Denominators
		Introducing Simple Word Problems
	Introduction to Decimals	Understanding Decimal Place Value
		Writing Decimals in Different Forms
		Comparing Decimal Numbers
		Rounding Decimals to the Nearest Whole Number or Tenth
		Converting Fractions to Decimals
03.Measurement 	Units of Measurement, Conversion of Units	Understanding Units of Measurement
		Understanding Units of Measurement (Part 2)
		Solving Word Problems with Measurements
		Exploring Perimeter
	Weight	Measuring Weight in Kilograms and Grams
		Measuring Volume in Liters and Milliliters
	Time	Reading Clocks (Analog and Digital)
		Calculating Elapsed Time
		12-Hour and 24-Hour Time Format
	Temperature	Understanding Temperature in Celsius and Fahrenheit
		Temperature in Real-World Contexts

Math Curriculum (Grade 4)

Topics	Module	Lesson Titles
04. Geometry 	Properties and Symmetry of 2D Shapes	Introduction to Geometry & Basic Shapes
		Measuring Length Using Rulers and Tapes
		Perimeter of 2D Shapes
		Properties of 2D Shapes
		Symmetry in 2D Shapes
	Understanding and Measuring Area	Understanding Area and Units of Measurement
		Area of Irregular Shapes
	3D Shapes and Properties	Understanding 3D Shapes and Solids
		Properties of 3D Shapes
	Symmetry and Tessellation	Symmetry in Shapes
		Tessellation and Patterns
	Introduction to the Coordinate Plane	Introduction to the Coordinate Plane
		Identifying Ordered Pairs on the Coordinate Plane
		Plotting Points on the Coordinate Plane
		Drawing Shapes on the Coordinate Plane
05. Patterns and Operations 	Identifying and describing number patterns using a rule.	Recognizing Number Patterns
		Generating Number Patterns
		Understanding Pattern Rules
		Solving Word Problems with Patterns

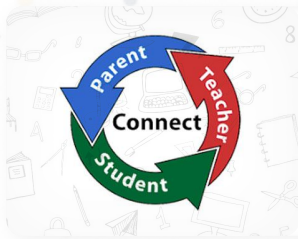


Math Curriculum (Grade 4)

Topics	Module	Lesson Titles
06. Probability 	Probability Games	Predicting Outcomes with Spinners
		Exploring Compound Probabilities
		Applying Probability in Decision-Making
07. Data and Statistics 	Data Collection and Organization	Collecting and Organizing Data
		Introduction to Bar Graphs
		Understanding Line Plots
		Measures of Central Tendency and Range
		Measures of Central Tendency
		Analyzing Data and Graphs



Top 10 benefits of learning at Codingal



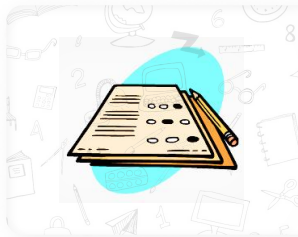
1. Regular PTM

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.

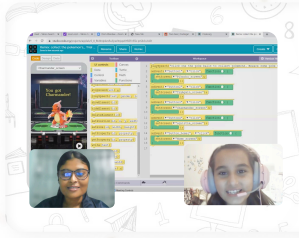


5. Course Customization

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



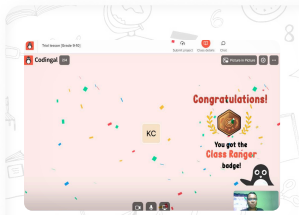
6. Live personalized classes

Understand concepts faster with personal attention from teachers. Learn coding from highly qualified teachers trained to make learning effective and impactful.



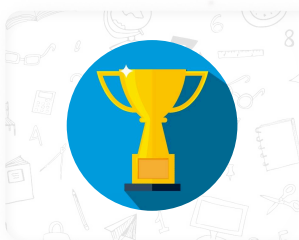
7. Lifetime Access to Class Recordings & Notes

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



4.6 out of 5



4.8 out of 5



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.



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

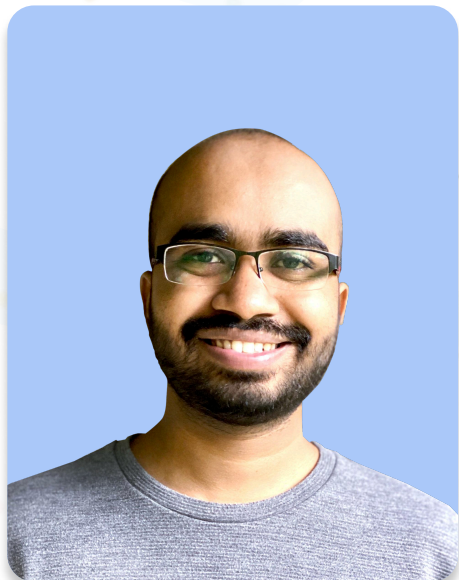
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“Pure mathematics is, in its way, the poetry of logical ideas”

- 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



Backed by



Combinator



REBRIGHT
PARTNERS

Got questions?
Contact us
anytime.

Send us a message



support@codingal.com



Codingal
Where kids love coding

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