



Codingal



Grade 2

Hello ! Young Learners

Get ready to fall in love with Math

Accredited by



Rate 4.6 out of 5

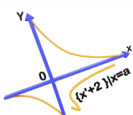


Backed by



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

$$\pi^2$$



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





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.





Learning Outcomes

Number Sense & Place Value

Explore place value and face value for numbers between 100 and 200. Represent numbers in expanded and standard forms, identify numbers before, after, and between, and classify numbers as even or odd. Recognize ordinal and cardinal numbers and analyze number patterns.

Counting & Rounding

Develop fluency in skip-counting by 5s, 10s, and 100s up to 999. Read, write, and interpret numbers up to 999, compare and order them using symbols, and round three-digit numbers to the nearest 10 and 100 in real-world contexts.

Addition & Subtraction

Use number lines and models to perform three-digit addition and subtraction with and without regrouping. Solve real-life word problems, apply inverse operations to check answers, and use variables to represent unknowns in equations.

Multiplication & Division

Understand multiplication through arrays, repeated addition, and equal groups. Practice multiplication tables (2, 5, 10), apply multiplication patterns, and solve real-life problems. Explore division as equal sharing, solve problems with and without remainders, and connect it to multiplication.

Geometry & Measurement


Identify, classify, and draw basic shapes. Partition rectangles into equal squares, understand fractions as parts of a whole, and measure length, weight, and capacity using standard units.

Time, Money & Data

Read analog and digital clocks, count money, make change, and solve real-life money problems. Create and interpret graphs to analyze data and solve real-world problems.



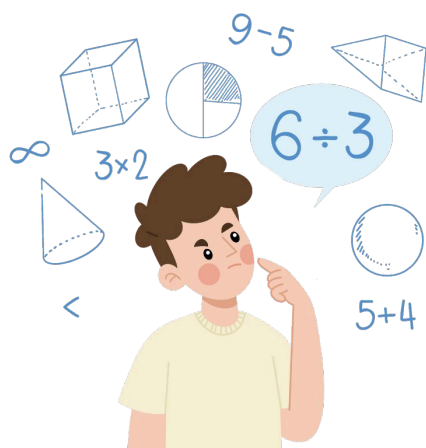
Math Curriculum (Grade 2)

Topics	Module	Lesson Titles
01. Number and Operations in Base Ten 	Numbers 100 to 200	Face Value and Place Value
		Expanded and Standard Forms
		Before, After, and Between (up to 200)
		Comparing and Ordering Numbers
		Ordinal Numbers (11 to 200)
		Even and Odd Numbers
	Recognizing Patterns in Hundreds (Skip Counting)	Recognizing Patterns in Hundreds
		Skip-Counting by 5s
		Skip-Counting by 10s
		Skip-Counting by 100s
	Numbers up to 999	Numbers up to 999
		Before, After, and Between (up to 999)
		Number Place value and Face value
		Number Names upto 999
		Expanded and Standard Form
		Comparing and Ordering Numbers (up to 999)
	Round Off 3-Digit Numbers	Round-Off 3-Digit Numbers to the Nearest 10
		Round-Off 3-Digit Numbers to the Nearest 100



Math Curriculum (Grade 2)

02. Operations and Algebraic Thinking



Topics	Module	Lesson Titles
02. Operations and Algebraic Thinking	Introduction to Addition	Introduction to Addition using Number Lines
		Visualizing Addition in Three-Digit Numbers(Re-Grouping)
		Addition Without Regrouping
		Addition of Three-Digit Numbers (Without Regrouping)
		Addition Using Expanded Form
		Addition with Regrouping
		Addition of Three-Digit and Two-Digit Numbers (With Regrouping)
		Word Problems on Addition
	Introduction to Subtraction	Introduction to Subtraction Using Number Lines
		Visualizing Subtraction in Three-Digit Numbers(Re-Grouping)
		Subtraction of 2-Digit and 3-Digit Numbers (Without Regrouping)
		Subtraction of 2-Digit and 3-Digit Numbers (With Regrouping)
		Word Problems on Subtraction
	Inverse Operations	Subtraction as the Inverse of Addition
		Understanding Inverse Operations and Relationship Between Addition and Subtraction
		Verifying Subtraction Using Addition
		Subtraction Word Problems with Inverse Relationship



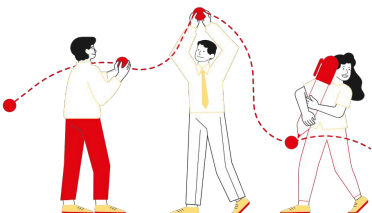


Math Curriculum (Grade 2)

Topics	Module	Lesson Titles
	Word Problems	Basic Word Problems
		Translating Word Problems into Equations
		Word Problems Requiring Two Operations (Addition and Subtraction)
		Review of One-Step and Two-Step Problems
	Introduction to the Commutative and Associative Property	Commutative Property of Addition
		Introduction to the Associative Property
		Solving Addition Problems Using the Associative Property
	Multiplication	Introduction to Arrays
		Multiplication Table (1 to 10)
		Properties of Multiplication
		Multiplying Numbers Ending with Zero
		Multiplication without Regrouping
		Multiplication with Regrouping
		Word Problems on Multiplication
	Division	Introduction to Division
		Division and Multiplication Relationship
		Division as Repeated Subtraction
		Simple Division with Remainders
		Division Word Problems

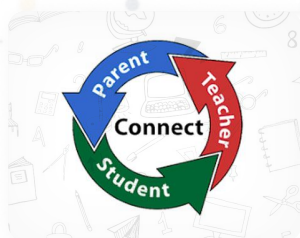


Math Curriculum (Grade 2)

Topics	Module	Lesson Titles
03. Geometry 	Shapes and Attributes	Recognizing Basic Shapes
		Drawing Shapes with Specified Attributes
		Identifying Triangles
		Identifying Quadrilaterals
		Identifying Pentagons and Hexagons
		Identifying and Drawing Cubes
	Basics of Fractions	Partitioning a Rectangle into Rows and Columns of Equal Squares
		Describing Fractions: Halves and Thirds
04. Measurement 	Measurement	Length Measurement
		Weight Measurement
		Capacity Measurement
	Analog and Digital Clock	Telling and Writing Time on an Analog Clock
		Telling and Writing Time on a Digital Clock
	Money	Recognizing Coins and Notes
		Simple Transactions
05. Data Handling 	Data handling	Line Plots
		Creating Picture and Bar Graphs
		Interpreting Data and Solving Problems



Top 10 benefits of learning at Codingal



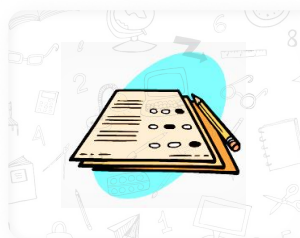
1. Regular PTM

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.

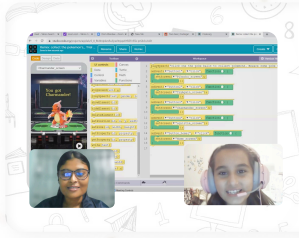


5. Course Customization

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



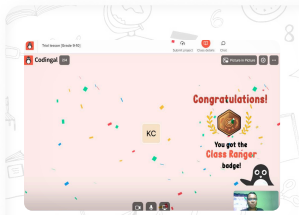
6. Live personalized classes

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



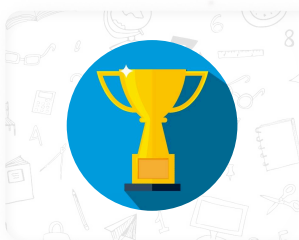
7. Lifetime Access to Class Recordings & Notes

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

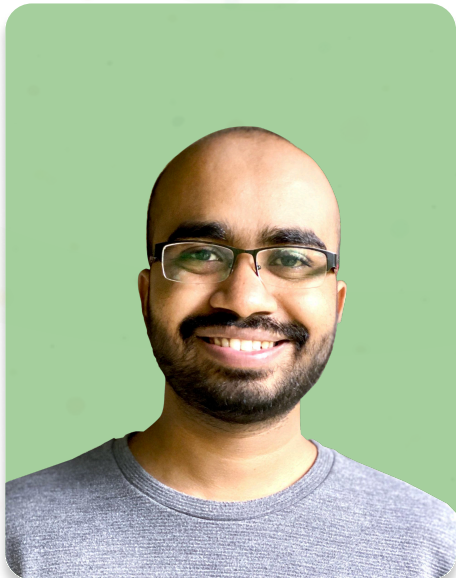
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“Pure mathematics is, in its way, the poetry of logical ideas”

- 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



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Where kids love coding

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