WHERE CURIOSITY BECOMES MASTERY

The first K-12 STEM platform that combines real-world objects, immersive AR, and adaptive AI — transforming abstract concepts into hands-on discoveries that spark lifelong curiosity.

30 innovative learning toys spanning K-12, each unlocking augmented reality experiences that adapt to your child's pace.

Developed by research scientist Dr. Sudhakar Agarkar, combining 40+ years of learning science with cutting-edge technology.

Launching December 2025.

Join the Waitlist for Early Access

Launching December 2025
→ Historic Education Hub Partner · Research-Backed by TETR

Join **12,847+ parents** and **245 schools** on the waitlist

Abstract concepts stay abstract

Traditional methods expect children to visualize molecules, geometric transformations, and chemical reactions in their minds. **3 in 5 students struggle with abstract STEM concepts** because they lack the tools to bridge the gap between theory and diagrams and it hinges the gap between imagination and understanding.

"You've watched your child memorize formulas without truly grasping what they mean."

"You've explored the same concept five different ways, yet students still can't apply it."

Teachers are drowning in tool sprawl

The average school uses **2,500 different EdTech tools.** Forcing teachers to spend more time managing technology than teaching, and troubleshooting technology instead of teaching.

Most school evidence learning has become a burden.

Passive screen time isn't learning

Educational apps too often mean passive watching. Just entertainment that entertains but doesn't educate.

50% of educators cite engagement as their biggest challenge. Students need to experience active problem-solving, not just clicking through content.

There's a better way to learn STEM.

The only platform that brings STEM to life—literally

We combine what no one else can:

physical manipulation + augmented reality + adaptive AI

Touch creates understanding

Every Coderoll experience begins with a tangible object—molecular models, geometric manipulatives, engineering components.

Research shows physical manipulation improves spatial reasoning by 40% and creates neural pathways that screen-only learning cannot.

30 expertly designed toys spanning K-12 mathematics, physics, chemistry, biology, and engineering.

See the invisible, understand the impossible

Point your device at any Coderoll toy and watch abstract concepts materialize in 3D space. Forces materialize as color-coded vectors. Molecules assemble atom by atom. Geometric transformations unfold. Microscopic gametes transformations with your hands.

AR makes the invisible visible, transforming imagination into interaction.

Real-passive watching—active problem-solving through spatial interaction.

Learning that knows your child

Our AI doesn't just deliver content—it understands how each learner thinks. Adaptive algorithms track patterns, identify misconceptions, suggests alternative approaches, and celebrates progress.

Every child moves at their own pace, building mastery instead of just moving forward.

From struggling to confident—in sessions every child succeeds.

This is the breakthrough:
Physical foundations + AR visualization + AI personalization = Learning that actually sticks

Reserve Your Spot

Launching December 2025

How it Work?

Learning adventures in three simple steps

Choose Your Discovery

Select from 30+ age-appropriate STEM toys delivered to your door, or access the full library of digital simulations. Each experience includes a complete learning experience.

Touch and Explore

Students manipulate physical objects while AR brings concepts to life on any device. No expensive hardware required. Adaptive AI personalizes challenges and hints as always have.

Grow and Master

Adaptive AI identifies patterns, creates challenges, and celebrates breakthroughs. Parents and educators receive actionable insights to support learning through intuitive dashboards.

For Parents | For Schools & Districts

Watch your child discover the joy of STEM

From 1 curiosity to let he show you what i learned –in just 30 days

Challenges

Homework Battles
No more tears over math homework. Coderoll makes practice feel like play, building confidence through mastery rather than pressure.

Screen Time Concerns
The real Tuesday screen time. Coderoll requires active problem-solving, not passive consumption. Your child earns screen time through demonstrated learning, not endless scrolling.

Keeping Up
You want to keep your child's learning pace. Coderoll adapts to their exact level, ensuring they neither get bored waiting for others nor feel lost from accelerated lessons.

Expensive Tutoring
At less than $5 per day, Coderoll provides a fraction of tutoring while providing unlimited access. Consistent STEM learning across all subjects, K-12.

What Your Child Gets?

30 hands-on STEM toys
delivered over K-12 journey.

Hundreds of AR experiences
that adapt to their learning style.

Confidence and curiosity
that extends beyond STEM

Future-ready skills
for careers that don't exist yet

Sarah M. Mother of two, Boston

"My 7-year-old struggled with fractions for months. Within two weeks of using Coderoll, she was explaining them to ME using the physical models. The AR visualization made it finally click."

James K. Father of 9 - year-old, Seattle

"I was skeptical about more screen time, but watching my son actively problem-solve with the AR models changed my mind. This is completely different from passive apps. He's learning AND engaged."

Secure Your Early Access Discount

Early Access Special Pricing
First 1,000 waitlist members lock in 50% off founding member pricing — less than$1/day for unlimited K-12 STEM learning.

What ages is this appropriate for?
Answer to this FAQ question will appear when clicked on this question item...

What technology do we need?

How much screen time is involved?

Is my child's data safe?

What if my child doesn't like it? (30-day money-back guarantee)

Developed by a pioneer in learning science

Dr. Sudhakar Agarkar
Four decades transforming education

Dr. Agarkar is Chief Knowledge Officer at Coderoll and Professor Emeritus at the **Tata Institute of Fundamental Research (TIFR)**, one of India's most prestigious research institutions.

For over 40 years, he's dedicated his career to a singular mission: **Making STEM education accessible and effective for every student,** regardless of background.

Dr. Agarkar's research revealed four fundamental learning hurdles:

1. **Lack of direct experience with abstract concepts**
2. **Unsatisfied curiosity when questions go unanswered**
3. **Limited peer interaction reducing collaborative learning**
4. **Poor communication competence expressing understanding**

- **Professor at TIFR**
  Homi Bhabha Centre for Science Education
- **PhD in Science Education**
  Focused on learning difficulties
- **International Expert**
  presented in 17 countries
- **Published Researcher**
  Springer handbook contributor
- **Teacher Trainer**
  Thousands of educators across 4 continents

"The role of teachers has changed from the person imparting information to a person facilitating the construction of knowledge."
— Dr. Sudhakar Agarkar

Proven with the students who need it most

Dr. Agarkar developed his Remedial Instructional Strategy (RIS) working with disadvantaged communities—slum dwellers in Mumbai and tribal students in rural India.

His methods significantly enhanced student performance where traditional approaches failed.

On a mission to fuel every student's curiosity and empower teachers with tools to make it happen.

Join the education innovators shaping the future

12,847+ parents on the waitlist

245 schools requesting pilots

19 countries expressing interest

30 learning toys spanning K-12

"Finally, technology that aligns with how I teach. The physical components mean students build intuition before abstraction. I've seen that learning science can be stress-free."
Teacher

"We evaluated 14 STEM platforms. Coderoll was the only one combining research-backing standards alignment, AR-enhanced student engagement. Exactly what we needed."
Principal

"I researched everything before committing. Dr. Agarkar's credentials and the Helocab partnership convinced me. This is not another edtech fad – it's the real deal."
Parent

COPPA Compliant | FERPA Certified | STEM.org Accredited | Privacy Certified | Research-Backed

Be among the first to transform STEM learning

Launching December 2025 – early access opens in 90 days

Waitlist Benefits

- **Priority access before public launch**
- **Founding member pricing (50% off for first 1,000)**
- **Exclusive behind-the-scenes updates**
- **Beta testing opportunity (select members)**
- **Lifetime discount locked in**

We are launching soon

5	12	29	30
Days	Hours	Minutes	Seconds

Only **750** founding member spots remaining

There are 3333 members ahead of you.
Want to move up faster?

Any one of the relevant form will appear either as Pop-up Frame or Reveal Section based on the CTA button after clicking on CTA Button. Pop-up

Email
example@email.com

First Name
John

Child's Grade
John Carter

Submit →

You're on the list! Check your email for next steps and your unique referral link.

30-day money-back guarantee once launched

Lock in 50% Off

Join Waitlist

Schedule consultation with education specialist

Request Pilot Program

Email
example@email.com

First Name
example@email.com

School / District
District name

Role
SME Consultant

Student Count
200

Submit →

You're on the list! Check your email for next steps and your unique referral link.

FAQs

General

Launch: December 2025, waitlist gets 30-day early access

What's included: Complete K-12 STEM curriculum, 30 toys, unlimited AR, adaptive AI

Technology: Works on any iOS 11+ or Android 7.0+ smartphone/tablet

Differentiation: Only platform combining physical + AR + AI

Subjects: Math, physics, chemistry, biology, engineering (K-12)

Free trial: 7-day free trial at launch; 30-day guarantee for waitlist

For Parents

Replaces homework: Supplements school learning, most engaging practice tool

Time commitment: 15-20 minutes, 3-5x per week with built-in timers

Grade level flexibility: AI adapts to child's actual level, not age

Multiple children: Family plans support unlimited profiles

For Schools

Pricing: $15-25 per student annually including materials, PD, support

PD included: Full-day training, workshops, office hours, on-demand resources

LMS integration: Canvas, Schoology, Google Classroom, Brightspace, Blackboard

Pilot programs: 6-12 week pilots in 2-5 classrooms recommended

Funding support: Qualifies for Title funds, E-Rate, grants

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