

*“This is more than tutoring—
this is transformation.”*

**BRIDGE
BUILDERS**
FOUNDATION

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BRIDGE BUILDERS / THE HESABU CIRCLE MATH CAMP

*An Empowered Pathway to
Math Mastery for Grades 4-12*

Bridge Builders Math Camp is an eight-month, tuition-free Saturday program designed to equip students in grades 4–12 with the foundational math skills, academic confidence, and cultural grounding essential for success in STEM.

Rooted in equity and purpose, the initiative addresses deep-seated opportunity gaps in LAUSD and LBUSD, empowering underrepresented youth, particularly African American and Latino boys, to see themselves as capable, confident, and prepared to lead in a rapidly evolving world. Developed in partnership with **The Hesabu Circle**, a national collective of Black mathematicians and scholars, the program takes a cultural and strategic approach to learning, redefining math as a tool of identity and empowerment.

Through creative, culturally responsive instruction that integrates storytelling, music, and community wisdom, students reclaim mathematics as a space where they are not only seen—but *where they lead*.

KEY FEATURES

- *Free Enrollment. No cost for families*
- *Meals & snacks provided*
- *Open to students in 4th through 12th grade*
- *Two semesters (8 Saturdays each | 9:00 AM–1:00 PM)*
- *30+ hours of engaging math content per term*
- *California Common Core Standards Curriculum*
- *Storytelling, music, design & real-world math*
- *Accessible community-based campus sites*



WHY IT MATTERS

In Los Angeles and Long Beach, less than 30% of Black and Latino students meet grade-level math standards.

The Math Camp directly tackles this disparity through culturally grounded instruction, mentorship, and relevant engagement. It equips students to thrive in advanced math and prepares them to lead in STEM fields like Artificial Intelligence, where representation and equity are critical.

JOIN US IN SHAPING TOMORROW'S LEADERS

For enrollment information, Scan the QR Code or visit our website: www.bridgebuildersla.org
Classes are held at **Lindbergh STEM Academy** • 1022. E. Market St. Long Beach, CA 90805

BRIDGE BUILDERS MATH CAMP

CURRICULUM HIGHLIGHTS

October - May | Grades 4-12 | 9:00 AM - 1:00 PM

Free Saturday Program

OCTOBER

Numbers & Foundation

African Arithmetic & Binary Systems: Explore Igbo number systems and connections to coding through African math traditions.

Building Number Sense: Strengthen place value, multi-digit operations

NOVEMBER

Math in the Real World

Cryptography & Dr. Melvin Currie: Learn how encrypted messaging works through real-life applications.

Divisibility & Prime Factorization: Master divisibility rules, GCF, LCM, and construct factor trees.

DECEMBER

Fractions & Historical Fluency

Egyptian Fractions: Discover ancient Egyptian math and build cultural pride through historical excellence.

Fraction Fluency: Deepen understanding of proper/improper fractions, benchmark values, and operations with unlike denominators.

JANUARY

Global Math Perspectives

Mayan Math & the Concept of Zero: Connect geometry to pyramids and polyhedral structures from Africa to Mesoamerica.

Intro to Algebra: Build algebraic fluency with expressions, equations, variables, problem-solving strategies, and early exposure to PEMDAS (Order of Operations).

FEBRUARY

Rhythm, Ratios & Real Life

Beats, Rhymes & Math: Learn math through music patterns, BPM, ratios, and timing.

Shapes, Area & Volume: Explore key geometry concepts through hands-on applications and shape classification.

MARCH

Math Careers & Algebra Concepts

"Math-Is-Me-ticians" Spotlight: Meet mathematicians of color and explore careers in STEM

Number System Hierarchy: Understand natural to irrational numbers and practice conversions between decimals, fractions, and percents.

APRIL

Geometry in Culture & Practice

Global Pyramids & Polyhedra: Connect geometry to pyramids and polyhedral structures from Africa to Mesoamerica.

Proportional Reasoning: Apply ratios and rates using real-world problem-solving and visual models, and early exposure to PEMDAS (Order of Operations).

MAY

Graphing & Analytics

Sports & Coordinate Grids: Analyze movement and game strategy on coordinate planes using sports examples.

Graphing Linear Equations: Introduce slope, y-intercept, and real-world graph modeling ($y = mx + b$).



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Excellence
and Equity



For enrollment information
visit our website:

www.bridgebuildersla.org