Bead-Dazzling Math

Budding jewelry designers (and fashion mavens) will delight in math while they busily bead bracelets make necklaces and charms. Designing jewelry to wear and take home is just the starting point! Girls will bead a computer code, explore infinity, discover pi, wear some Fibonacci numbers, uncover a mysterious pattern, and more. Beads, bangles and patterns abound during this exciting week of design inspiration and mathematical exploration!

grades 3-5

Our camps for third to fifth graders align with the Common Core State Standards and cover topics and skills introduced and covered in 3rd, 4th, and preview material covered in 5th grade. These camps also give campers opportunities to explore complex mathematical concepts not often included in elementary math curriculum.

Common Core Standards:

CCSS.MATH.PRACTICE.MP1 Make sense of problems and persevere in solving them.
CCSS.MATH.PRACTICE.MP2 Reason abstractly and quantitatively.
CCSS.MATH.PRACTICE.MP3 Construct viable arguments and critique the reasoning of others.
CCSS.MATH.PRACTICE.MP4 Model with mathematics.
CCSS.MATH.PRACTICE.MP5 Use appropriate tools strategically.
CCSS.MATH.PRACTICE.MP6 Attend to precision.
CCSS.MATH.PRACTICE.MP7 Look for and make use of structure.
CCSS.MATH.PRACTICE.MP8 Look for and express regularity in repeated reasoning.

Math Skills in Bead-Dazzling Math:

- Area and Perimeter of rectangles and triangles
- Binary numbers, binary code
- Combinations and Permutations
- Comparing fractions
- Decimals
- Deductive thinking problems
- Exploring Pi
- Exploring the concept of infinity
- Exploring the Fibonacci Sequence and number patterns
- Factors and multiples
- Fractals
- Generating and analyzing patterns
- Identifying patterns in division
- Identifying patterns in multiplication
- Infinite divisibility
- Logic
- Negative Numbers, adding and subtracting with integers
- Strategic Problem Solving
- Visual Spatial Problem Solving
- Work with equations involving addition, subtraction, multiplication and division
- Working with fractions

girls rock math™