



Calling all spies and CSI's! Your mission, should you choose to accept it, is to immerse yourself in the math and science of espionage. Campers will enter the GRM forensics lab to help solve a crime by developing code cracking skills, fingerprint and handwriting analysis, cryptography, logic puzzles and more. Each mission requires campers use teamwork to crack the case! Camp ends with an escape room adventure, in this week exploring the hidden math and science of sleuthing!

grades 4-6

Our camps for fourth to sixth graders align with the Common Core State Standards and cover topics and skills introduced and covered in 4th, 5th, and preview material covered in 6th 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 Get a Clue:

- Combinations and Permutations
- Comparing distances
- Comparing fractions
- Conversion problems
- Cryptology
- Data Collection and analysis
- Deductive thinking problems
- Drawing on a coordinate plane
- Equivalent fractions
- Factors and multiples
- Generating and analyzing patterns (algebraic thinking)
- Metric Measurement
- Multiplication of multi-digit numbers
- Negative Numbers & solving addition & subtraction problems with integers
- Prime numbers
- Probability
- Strategic Problem Solving
- Visual Spatial Problem Solving
- Work with equations involving addition, subtraction, multiplication and division
- Write and evaluate numerical expressions in which letters stand for numbers
- Earth Science, Physical Science and Life Science topics are essential to detective science and will be covered in various lessons throughout the camp

