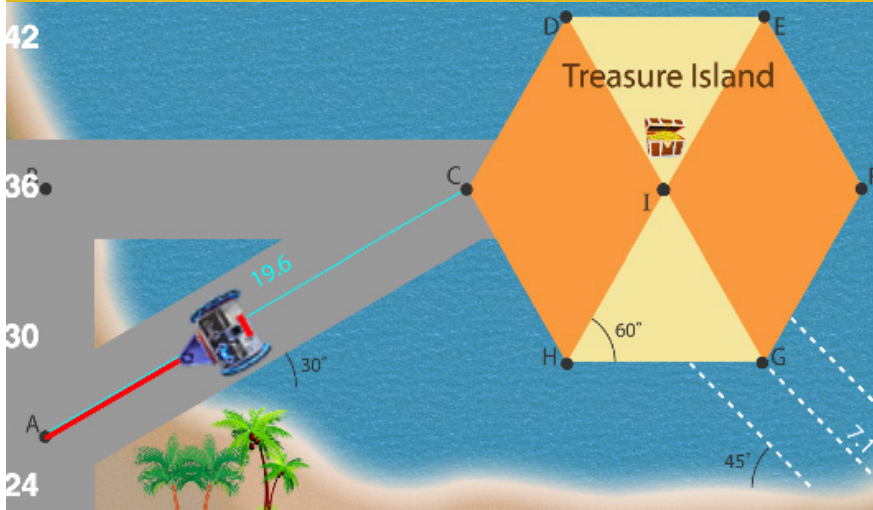




C-STEM Robotics Camps for Accelerated Math Learning



Curriculum Covers:

- Key math learning objectives/standards in the related grade levels
- Collaborative robotics projects
- RoboTown Challenges
- Hands-on learning
- Build your own robotics system
- Coding, engineering, science, art, and music
- Teamwork, communication, presentation, and leadership skills

Mathematics Covered

Robotics Camp A Grades k-2

- Count and model numbers
- Compare numbers
- Number line
- Addition and Subtraction
- Measurement
- Represent and sort data
- Two-dimensional geometry

Robotics Camp B Grades 3-5

- Place values
- Decimals
- Multiplication
- Division
- Fraction
- Measurement and unit conversions
- Geometry
- Angles and coordinate systems

Robotics Camp C Grades 6-8

- Arithmetic Operation
- Algebraic expressions and equations
- Ratios and rates
- Linear relationships
- Systems of linear equations
- Probability and statistics

Robotics Camp D Grades 9-12

- Linear relationships
- Systems of linear equations
- Geometric transformations
- Exponential, polynomial, & piecewise functions
- Transformation of polynomial functions
- Statistical data analysis and visualization

Robotics Camps Website:
c-stem.ucdavis.edu/robotics-camp/

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