



## STEM Kit:

### Math Exploration

**Program Level: Juniors, Cadettes, Seniors and Ambassadors**

See numbers and geometric shapes from another angle!

#### Supplies Provided:

- Prime Climb board game
- Three Sticks board game
- Tangrams
- Tangram books
- Dice

#### What to Bring:

- NONE

#### Instructions:

1. This can be facilitated in small groups or you can choose to just use one part of this kit for your group.
2. **Prime Climb** – 2-4 players, roughly 10 minutes per player to complete game. Prime Climb is a “beautiful, colorful, mathematical game” that is all about strategy, and a little luck. Toll the dice and add, subtract, multiply and divide your way to the center of the board, picking up prime cards and bumping your opponents back to start as you go.
3. **Three Sticks** – 2-4 players, 30-45 minutes to complete game. Three Sticks is a creative game based on geometry. Use three types of sticks to place on the board – create different shapes and earn points! The first player to 500 points wins.
4. **Tangrams** – Develop spatial reasoning and refresh your understanding of geometry by solving tangram puzzles, or making your own to switch with friends.

#### Why?

These activities promote problem solving along with math skills. You can strengthen your math skills in a fun environment that pushes the envelope on creativity. These would be great games to have handy on an overnight at camp!

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