

Discovering STEM Program

Kit name: Origametry (Grades: Geometry to Algebra 2)

Description: Have you ever tried to fold a crane or other origami figure? Sometimes the directions are hard to follow. In this activity, you will use paper folding to construct a mystery origami object. This requires careful reading. Knowledge of some geometry terms, and construction skills with paper folding. Does geometry make the task any easier?



Alignment for Origametry (Grades: Geometry to Algebra 2)

To the Common Core State Standards Mathematics

<http://www.corestandards.org>

This kit addresses the following standards:

G.CO.1: Know precise definitions of angle, circle, perpendicular line, parallel line, and line segment, based on the undefined notions of point, line, distance along a line, and distance around a circular arc.

G.CO.12: Make formal geometric constructions with a variety of tools and methods (compass and straightedge, string, reflective devices, paper folding, dynamic geometric software, etc.). Copying a segment; copying an angle; bisecting a segment; bisecting an angle; constructing perpendicular lines, including the perpendicular bisector of a line segment; and constructing a line parallel to a given line through a point not on the line.

When reserving kits, please be sure to:

- **Return** the filled out reservation form
- **Review** required kit materials prior to event
- **Return** evaluation forms
- **Replace** the consumables