

Kit name: Knot Your Average Geometry (Grades: Geometry to Algebra 2)

Description: Many intricate Celtic knot designs are symmetric. In this activity you will analyze some Celtic art, and create your own symmetric art designs.



Alignment for Knot Your Average Geometry (Grades: Geometry to Algebra 2) to the Common Core State Standards Mathematics <http://www.corestandards.org>

This kit addresses the following standards:

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| G.CO.2 | Represent transformations in the plane; describe transformations as functions that take points in the plane as inputs and give other points as outputs. Compare transformations that preserve distance and angle to those that do not (e.g., translation versus horizontal stretch). |
| G.CO.4 | Develop definitions of rotations, reflections, and translations in terms of angles, circles, perpendicular lines, parallel lines, and line segments. |

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