ice cream!

a HyperGami print-and-build kit

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1. First join the long tab to the opposite edge, forming an open ice cream cone.

2. Join the bottom edge of this scoop to the tabs on the cone.

3. Join the tabs without dots to the triangles right next to them.

4. These edges join to the tabs with green dots.

5. Finally, join this square to the remaining tabs with yellow dots.

Before you start!
- a. Read all of the tips.
- b. When cutting the pieces, leave the tabs attached.
- c. Use a small amount of craft glue to join edges to tabs.
Ice Cream Scoops

Start by joining all the purple tabs (without dots) to the triangles right next to them.

this face joins to the tabs with the yellow dots

these edges join to the tabs with the green dots

this face joins to the tabs with the red dots

these edges join to the tabs with the green dots

this face joins to the tabs with the red dots

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About the sculpture

The ice cream scoops are made from a shape called a rhombicuboctahedron. This is a special polyhedron that has squares and equilateral triangles. How many squares can you find? How many triangles? Do you notice anything special about the way they are arranged on the shape?

The bottom portion of the cone is made by slicing off the bottom faces of the rhombicuboctahedron and replacing them with a pyramid.

The rhombicuboctahedron belongs to a family of shapes called the Archimedean solids. These polyhedra are made of two or more different kinds of regular polygons (that is, shapes that have sides of equal length and angles of equal measure). There are thirteen Archimedean solids in all.

To find out more about polyhedra and polyhedral sculptures, visit us on the web!

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