

## **Stained Glass Icosahedron**

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For our project we decided to build an icosahedron, which is made up of twenty polygons that are all triangles. To make it look interesting we decided to make it out of stained glass. To begin, we first cut twenty regular triangles out of poster board and than created a model of an icosahedron equally sized to our final project. We then used this model as a guide for the stained glass to cut the pieces the right size and make sure the angles were correct. We framed the icosahedron with copper wire, then solder it into its final shape. Though all the angles may not be exactly correct the object very much resembles an icosahedron. The most difficult part of this project was piecing and soldering the twenty pieces of stained glass together. [With acknowledgments for the advice of Dr. Tannenbaum.]