



Polyhedron Series

A polyhedron (pol·ē·hē·dren) is a 3D (three-dimensional) solid made from polygons that are joined at their edges.

A polygon is simply a 2D shape made from straight lines - triangles, rectangles, pentagons, etc...

There are many different kinds of polyhedra (plural for polyhedron).

Below are some of the most common types. Notice the different polygons used to create each one.



Tetrahedron
4 Triangles



Hexahedron
6 Squares



Octahedron
8 Triangles



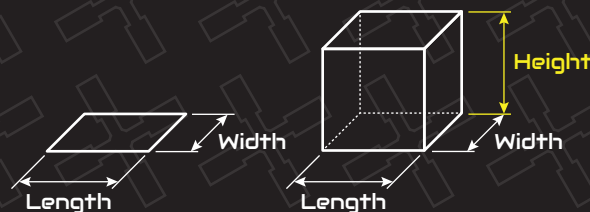
Dodecahedron
12 Pentagons



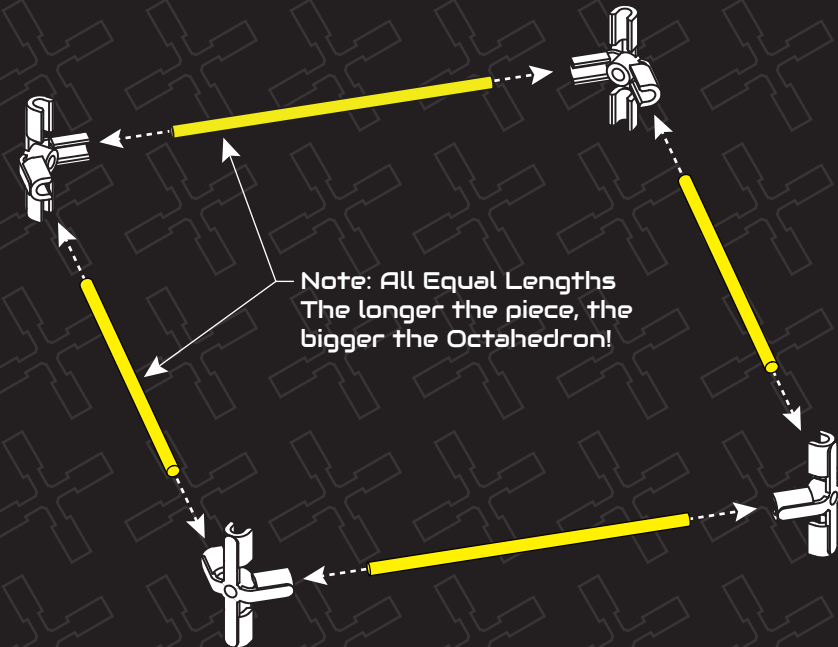
Icosahedron
20 Triangles



Parts of a Solid



2 Dimensional vs 3 Dimensional

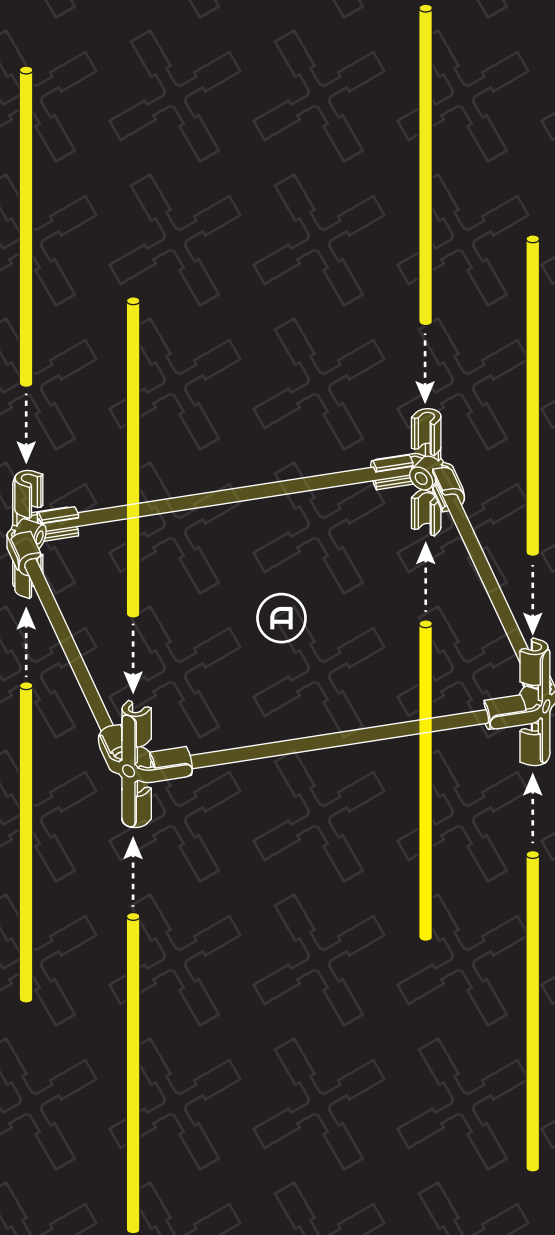


STEP 1 Assembly (A)

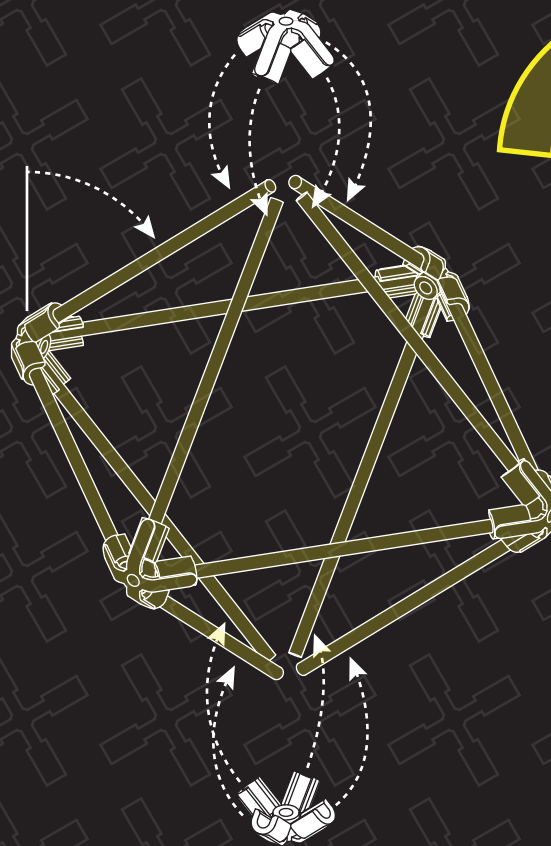
Designer

Tinkerer  Engineer 
SKILL LEVEL Ages 8+

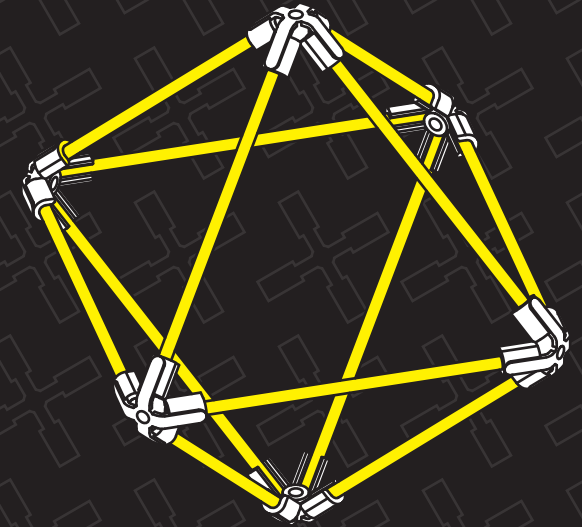
Building an Octahedron (cont.)



STEP 2



STEP 3



Complete Octahedron