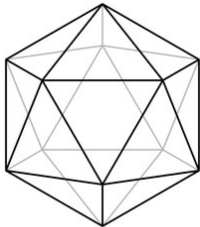




# GEM Logo Activity

Geoliteracy Education in Micronesia

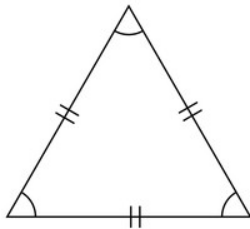
The GEM logo is a multicolored **icosahedron**, a complex shape made of simple pieces.



**Icosahedron** = 20 faces

see a rotating model at

<https://en.wikipedia.org/wiki/File:Icosahedron.gif>



Each face is an equilateral triangle,  
a triangle in which all sides are the same length.

The GEM logo appears in 2D, but can be viewed in 3D. This symbolizes the depth of science and traditional knowledge—they must be studied and explored to reveal more than meets the eye.

## GEM Logo Model Activity Directions

Take the flat model template and look at it carefully. With a partner, discuss your initial thoughts:

- What this is? What it is for?
- What does this remind you of?
- Have you seen similar patterns like this before?

Color the triangles any way you want: any pattern, any colors, any combination — anything your imagination tells you.

- Don't color the 11 long trapezoids on the sides that look like "flaps."

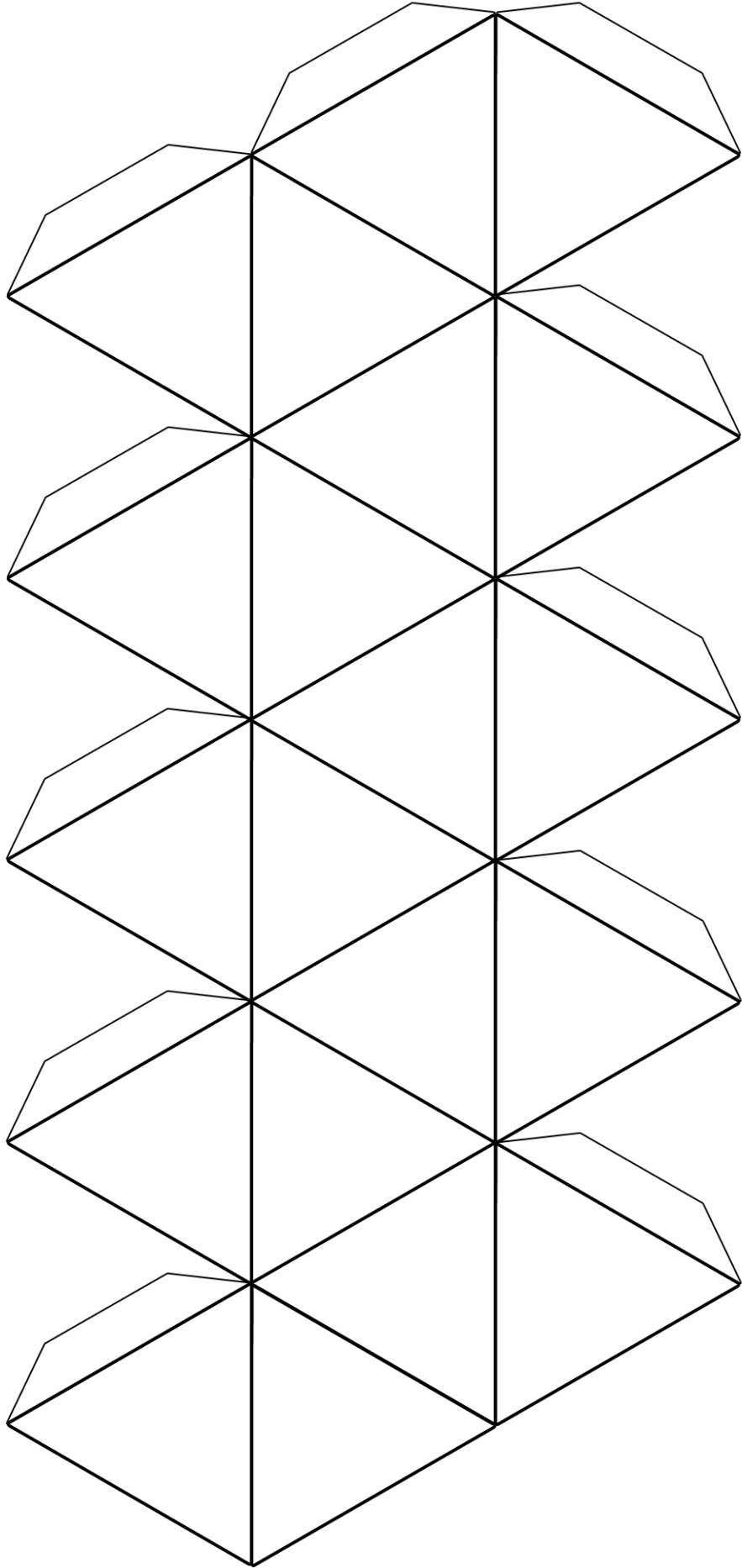
Assemble your icosahedron model.

- Cut along all the outside lines.
- Fold downward on all the lines inside the cutout.
- Use tape and the "flaps" to assemble the 2-D cutout into a 3-D shape.





**GEM**  
GEO LITERACY  
IN  
MICRONESIA



Icosahedron (platonic solid)