



## Teacher Resource

Math Video

Grades K-2

We are so excited to have you utilize our Stem with Storm videos in your classroom! Innovation One and Education One have partnered together for some fun with our campus mascot, Storm, to share his love of learning with STEM- Science, Technology, Engineering and Mathematics with students near and far demonstrating some fun experiments directly aligned to Indiana State Standards!

The enclosed follow-up activities can be utilized for extended hands-on learning for your scholars. Our goal is to get those young brains thinking and spark the imagination and love of learning of future professionals!

Let's Learn Together with Storm!



A partnership of:



## Indiana Standards Connection:

### Math Standards:

PS.7: Look for and make use of structure.

PS.8: Look for and express regularity in repeated reasoning.

K.G.2: Compare two- and three-dimensional shapes in different sizes and orientations, using informal language to describe their similarities, differences, parts (e.g., number of sides and vertices/"corners") and other attributes (e.g., having sides of equal length).

1.G.1: Identify objects as two-dimensional or three-dimensional. Classify and sort two-dimensional and three-dimensional objects by shape, size, roundness and other attributes. Describe how two-dimensional shapes make up the faces of three-dimensional objects.

2.G.1: Identify, describe, and classify two- and three-dimensional shapes (triangle, square, rectangle, cube, right rectangular prism) according to the number and shape of faces and the number of sides and/or vertices. Draw two-dimensional shapes.

2.G.2: Create squares, rectangles, triangles, cubes, and right rectangular prisms using appropriate materials.

### Classroom Extension:

Use the various 3d shapes provided to complete the same observations and math problem as you watched in the video. You can also print the templates provided for students to make their own 3D shapes.

Shape Name: \_\_\_\_\_

Number of Corners: \_\_\_\_\_

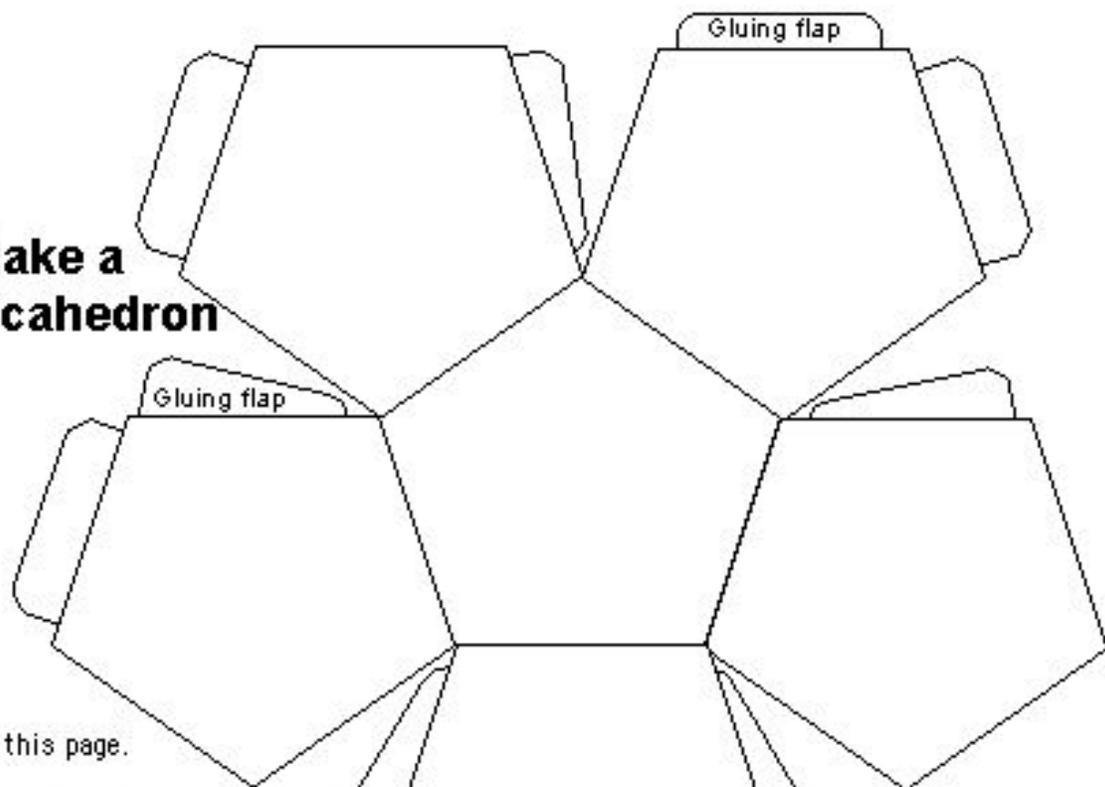
Number of Edges:  \_\_\_\_\_

Number of Faces:  \_\_\_\_\_

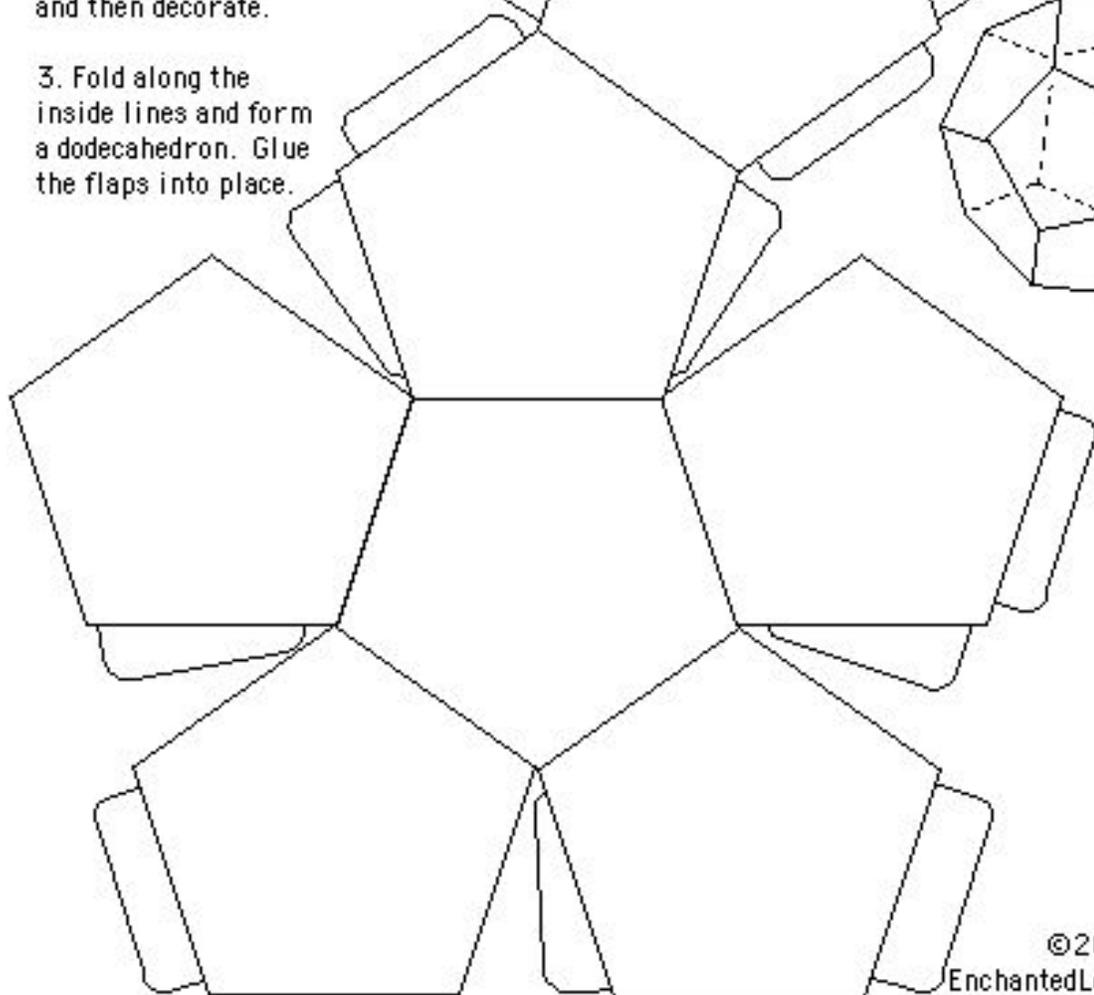
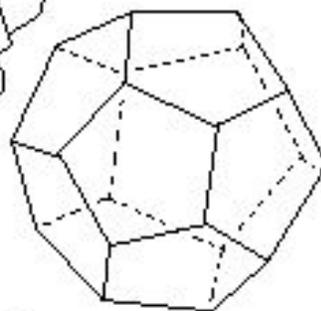
Total: \_\_\_\_\_

Discussion: Do you notice the same pattern as in the video? Do you think this will work with all shapes?

## Make a Dodecahedron



1. Print this page.
2. Cut along the edges and then decorate.
3. Fold along the inside lines and form a dodecahedron. Glue the flaps into place.



**WARNING**

**DO NOT**



**TRY THIS AT HOME!**

TAKE THIS SHAPE HOME AND SEE IF YOU CAN  
SHOW SOMEONE WHAT YOU LEARNED TODAY  
ABOUT GEOMETRIC SHAPES

CUT OUT THE TRIANGULAR PRISM ON THE SOLID OUTSIDE LINE. FOLD ON  
THE SOLID INSIDE LINE AND GLUE THE GRAY TABS TO ASSEMBLE.

