



# ARCHIE'S MATH RESOURCES LIST

## FOR "GEOMETRIC SHAPES - POLYHEDRA" EXHIBIT

● Manipulatives ● Activities ● Games ● Posters ● Worksheets ● Downloads & Freebies



### MAGFORMERS

Available from **MAGFORMERS**

[www.magformers.com](http://www.magformers.com)

These are the magnetic geometric shapes we use with the Archie's Math exhibit.

Pieces click together with special magnets to form 3-dimensional shapes, including Platonic solids, and geodesic spheres. Unlimited construction possibilities. We order the individual packs of each shape.

**NOTE:** For a **30% DISCOUNT** from the Magformers website enter code **"MAG30"** at checkout!



Triangle – 12  
#13010

Square – 12  
#13011

Pentagon – 12  
#13014

#### AVAILABLE SHAPES IN 12-COUNT PACKS

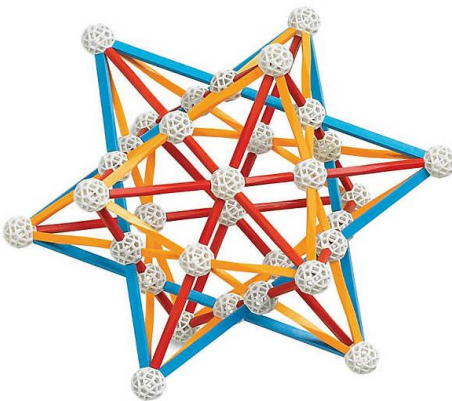


Hexagon – 12  
#13015 (for  
Geodesic Spheres  
order 2 pks)

Diamond - 12  
#13012

Trapezoid – 12  
#13013

## CREATOR #1 GEOMETRIC SHAPES CONSTRUCTION KIT



Available from **ZOMETOOL**

[www.zometool.com](http://www.zometool.com)

Students create more advanced three-dimensional shapes with these snap-together pieces. Many kits available – all with a different number of pieces included.

**NOTE:** for a **15% DISCOUNT** from Zometool website enter code **"TEACHER"** at checkout!



## POLYDRON SCHOOL GEOMETRY SET

Available from **POLYDRON**  
[www.polydronco.uk](http://www.polydronco.uk)

This construction set is geared for the younger student with easy to snap-together pieces. You can create all the Platonic Solids and many basic geometric shapes.

Set includes 266 geometric pieces and comes with a teacher user's guide



## VZOME VIRTUAL BUILDING APPLICATION

Available from **VZOME**  
[www.vzome.com](http://www.vzome.com)

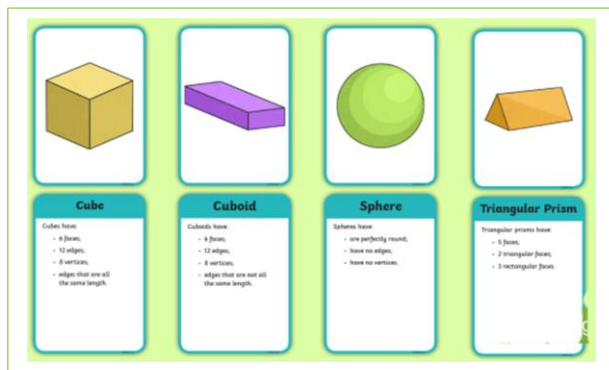
This desktop application is designed for building virtual models. In addition to the basic mechanism of building, vZome supports a rich collection of symmetry and geometry tools, helping you create and discover models that you never thought of!



## 3-D SHAPES MATCH CARDS SET

Available from **TWINKL**  
[www.twinkl.com](http://www.twinkl.com)

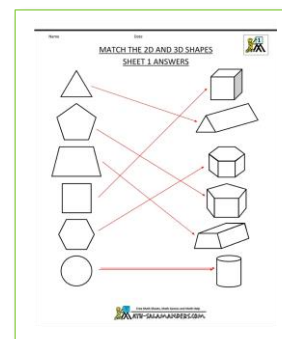
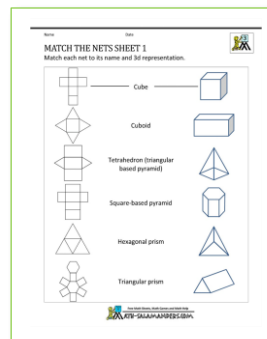
This set of matching cards features a range of 3-D shape images and the shapes' properties. Great classroom activity. FREE downloads!



## 3-D SHAPES WORKSHEET FUN

Available from **MATH-SALAMANDERS**  
[www.math-salamanders.com](http://www.math-salamanders.com)

Below are examples of the wide offering of 3-D Shapes worksheets from Math-Salamanders. All FREE downloads!



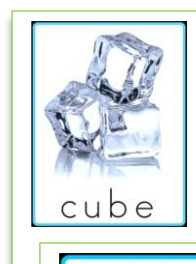
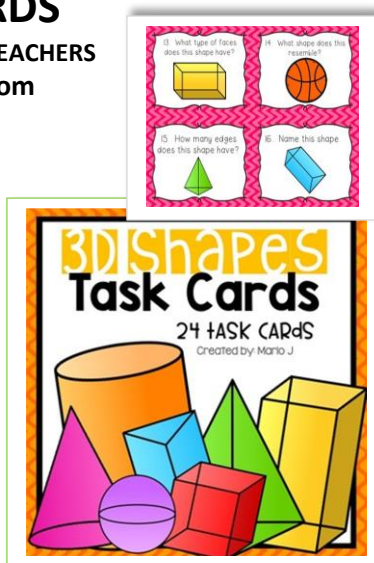
## SHAPES TASK CARDS

Available from **TEACHERS PAY TEACHERS**  
[www.teacherspayteachers.com](http://www.teacherspayteachers.com)

This 3D Shapes task card set includes 24 cards both in color and black and white.

Includes questions like:  
What Shape is This?  
How Many Edges?  
How many Vertices  
How Many Faces?

Grades 2, & 3. Instant download.



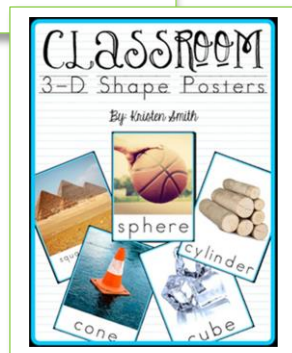
## 3-D SHAPES POSTERS SET

Available from **TEACHERS PAY TEACHERS**  
[www.teacherspayteachers.com](http://www.teacherspayteachers.com)

Students love looking at real life pictures and this colorful poster set of real-life shapes is one that they will love.

This 8-poster set includes:  
sphere, hemisphere, cube,  
cone, square based pyramid,  
triangular prism, cylinder, and  
regular prism.

Digital download allows you to print at any size you want.



## RESOURCES/DOWNLOADS/FREEBIES

- [www.twinkl.com](http://www.twinkl.com) Very good resource for math-focused teaching materials. Levels K-6. Sort options make for easy shopping.
- [www.teacherspayteachers.com](http://www.teacherspayteachers.com) A great resource for teaching aids for Geometry at all grade levels. Check out their Project Based Learning materials including the "Geometrocity" where kids can design and build with this 2D and 3D adventure!
- [www.LearningResources.com](http://www.LearningResources.com) A wide offering of classroom aids for teaching about Geometry covering a wide range of age levels. Easy shopping...sort by age, grade or subject. Many other math-focused subjects offered.
- [www.math-salamanders.com](http://www.math-salamanders.com) Wide range of math-focused topics and grade levels. ALL FREE DOWNLOADS.
- [www.topnotchteaching.com](http://www.topnotchteaching.com) Teacher-created materials covering a wide range of math subjects and many grade levels. An educators resource section offers wide range of products and a fun math-focused book section.
- [www.magformers.com](http://www.magformers.com) Excellent source for geometry-focused teaching aids and the source for the Magformers used at our Archie's Math exhibit. Also offer other magnetic sets – Clicformers, Tileblox and more. Large offering of STEM Authenticated products.
- [www.zometool.com](http://www.zometool.com) Creator 1 will help you find out why Zometool is treasured by kids and educators around the world. Clear and colorful step-by-step instructions will get you started and suggest many different avenues for exploration which open up into the fascinating dimension of discovery through open-ended play.
- [www.polydron.co.uk](http://www.polydron.co.uk) The website for all things for teaching Polydron. Extensive product line covering all grade levels. Also offering other math-focused teaching aids.
- [www.vzome.com](http://www.vzome.com) vZome is a desktop app designed primarily for building virtual [Zome](http://www.vzome.com) models. Website also offers resources of downloadable articles and blogspots.



## GEOMETRIC SHAPES RESOURCE SHEET - Cost Information

### SIDE #1:

| <u>ITEM DESCRIPTION</u>                                   | <u>Listed Internet Price</u>            | <u>Source</u>               |
|---|---|-----------------------------|
| (1) MAGFORMERS magnetic geometric shapes                  |   |                             |
| - Triangles #13010 (12 pack)                              | \$19.99                                 | www.magformers.com          |
| - Squares#13011 (12 pack)                                 | \$19.99                                 |                             |
| - Pentagon #13014 (12 pack)                               | \$29.99                                 |                             |
| - Hexagon #13015 (12 pack)                                |   |                             |
| (to make Geodesic domes, order 2 packs)                   | \$29.99                                 |                             |
| - Diamond #13012 (12 pack)                                | \$19.99                                 |                             |
| - Trapezoid #13013 (12 pack)                              | \$29.99                                 |                             |
| (2) Zometool Creator #1 Geometric Shapes Construction Kit | \$69.00                                 | www.zometool.com            |
| (3) Polydron School Geometry Set                          | \$176.10                                | www.polydronco.uk           |
| (4) Vzome Virtual Building Application                    | Free download                           | www.vzome.com               |
| (5) 3-D Shapes Match Card Set                             | Free download<br>(w/\$5/yr. membership) | www.twinkl.com              |
| (6) 3-D Shapes Worksheets                                 | Free download                           | www.math-salamanders.com    |
| (7) 3-D Shapes Task Cards                                 | \$2.50 download                         | www.teacherspayteachers.com |
| (8) 3-D Shapes Poster Set                                 | \$4.00 download                         | www.teacherspayteachers.com |

**NOTE:**  
For a **30% Discount** from the Magformer website, enter code **"MAG 30"** at checkout!

**NOTE:** For a **15% Discount** from website enter code **"TEACHER"** at checkout

### SIDE #2:

**NOTE:**

In researching manipulatives and learning aids for this Teachers Resource Program we selected items that dovetailed with the Archie's Math exhibits that students and teachers would have experienced at an Archie's Math event. We also kept in mind the cost outlay to teachers and schools. We found in our research that in many cases there were similar products to choose from, and in varying price ranges. To find additional options than those shown on the Research Sheet be sure to check the **"Resources/Downloads/Freebies"** section at the bottom of each resource sheet for more internet sites offering cost effective teacher aids, activities and worksheets on that subject.