



ARCHIE'S MATH RESOURCES LIST

FOR "VOLUME SANDBOX" EXHIBIT

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



GEO SHAPES VOLUME RELATIONSHIP SET

Available from **HAND2MIND**

www.hand2mind.com

You can create your own Volume Sandbox Manipulative for your classroom with this geometric shapes volume relationship set.

Compare the volume of different geometric solids. Clear plastic shapes – no tops – can easily be filled with liquids, sand, plastic beads or rice. Incorporate measurement, mass, and spatial awareness into your teaching lesson.

All shapes are 4" high and 4" in diameter. Set of six shapes include cone, sphere, cylinder, cube and rectangular prism.

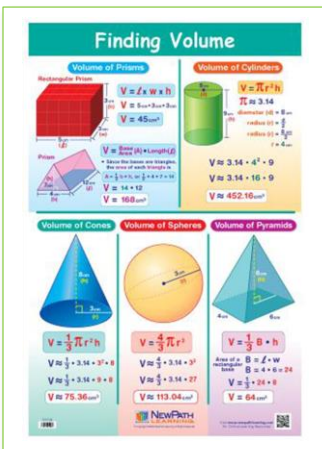
CLASSROOM POSTERS

FINDING VOLUME LAMINATED POSTER

Available from **NEW PATH LEARNING**

www.newpathlearning.com

Provides a graphic representation of the formulas used to determine volume along with illustrated examples of prisms, cylinders, cones, spheres & pyramids. Large 23" x 35"

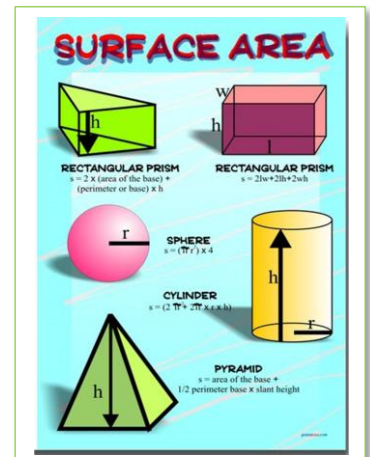


SURFACE AREA LAMINATED POSTER

Available from **POSTER ENVY**

www.posterenvy.com

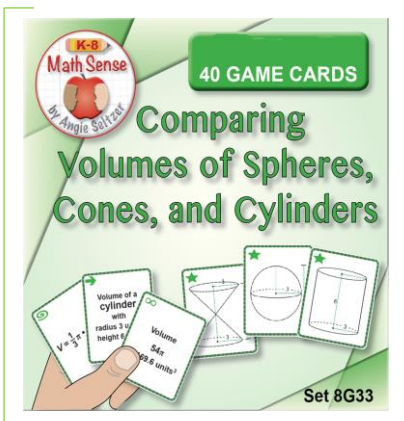
Colorful and durable, this 12" x 18" poster meets the National Education Curriculum framework math standards



MATH VOLUME CARD SET

Available from **TEACHER'S DOJO**

www.teachersdojo.com



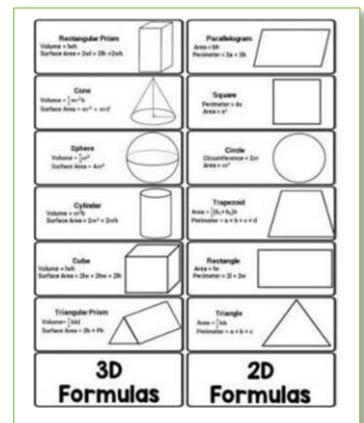
This set of printable multi-match cards help students see how the volume of a sphere relates to that of a cylinder or cone. Digital download includes answer key and information on 4 different games.

GEOMETRY FORMULAS FOLDABLE

Available from **TEACHERS PAY TEACHERS**

www.teacherspayteachers.com

This is a handy reference sheet/study guide for 3D and 2D geometry formulas. Downloadable single page PDF includes foldable and instructions for folding and use. Formulas include rectangular prism, cone, sphere, cylinder, cube and triangular prism, as well as 2D shapes.



3D SHAPES BINGO

Available from **TEACHERS PAY TEACHERS**

www.teacherspayteachers.com

This activity packet includes 20 different boards so you can play this fun game with the whole class or in small groups!



The game is based on the following 3-D shapes: sphere, cone, cube, pyramid, rectangular prism, and cylinder. PDF instant download also includes answer key. This is a fun classroom learning activity for all!

FINDING VOLUME INTERACTIVE GAME

Available from **TEACHERS PAY TEACHERS**

www.teacherspayteachers.com

This fun activity is an interactive PDF that allows students to practice finding Volume. It can be used on an iPad,



computer, or interactive whiteboard. You can also print out each one and use as Task Cards! The activity includes 15 self-checking volume problems. If the wrong answer is selected, the game takes them back to that problem to solve correctly. Digital download.

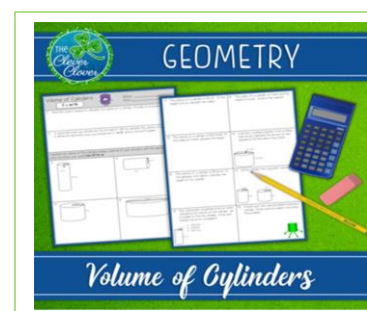
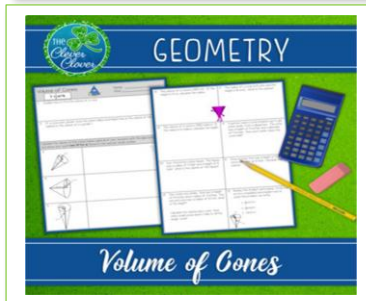
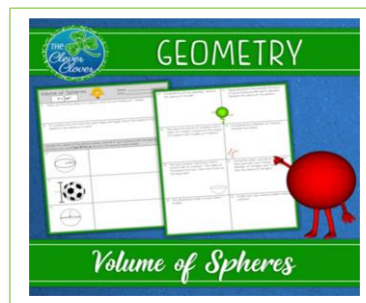
VOLUME OF GEO SHAPES WORKSHEETS

Available from **TEACHERS PAY TEACHERS**

www.teacherspayteachers.com

Do your students need practice calculating the volume of spheres, cones, and cylinders? These digital download worksheets are just what you need.

Each two page resource includes 14 practice problems. Adequate space is provided for students the volume of the geometric shapes. Students are asked to explain what it means to find the volume of the shape. They are also asked about the formula used to calculate volume. Students have the opportunity to find an error and to correct it on the problem. All worksheet sets are available as digital downloads.



RESOURCES/DOWNLOADS/FREEBIES

www.teacherspayteachers.com Sorting options make shopping easy. Products include worksheets, activities, projects, printables, and more. Math-focused offerings are substantial. Instant digital downloads at very reasonable prices.

www.eaieducation.com Wide math-focused product line. Categories cover all Archie's Math exhibit subjects. Check out their "Real World Application" section of activities and all manner of teaching tools.

www.teachercreated.com Offers a wide assortment teacher aids including math games, charts, learning cards, posters, etc. Also offers a number of free teacher resources for lessons, activities and more. Grade levels K thru 8.

www.LearningResources.com A wide offering of classroom aids for teaching geometry-focused math including manipulatives, activities, and more. Easy shopping...sort by age, grade or subject. Many other math-focused subjects offered.

www.ajaxscientific.com Math manipulatives and other teaching aids including Volume Relationship Set. Many other math-focused categories and STEM-focused subjects.

www.hand2mind.com Great source for all things Math! Extensive math manipulative offerings covering all elementary grades. A good source for math-focused teacher and classroom resources.

www.learningadvantage.com Wide product line for math-focused teaching aids, including Manipulatives, Flash Card sets, and more. Fun math games and classroom activities.

www.didaxeducational.com An extensive product line of math-focused teaching aids including manipulatives. Check out their math activity game "Fence It In" teaching area and perimeter in a great fun way!

VOLUME SANDBOX RESOURCE SHEET – Cost Information

TEACHER
RESOURCE
PROGRAM

www.archiesmath.org



SIDE #1:

<u>ITEM DESCRIPTION</u>	<u>Listed Internet Price</u>	<u>Source</u>
(1) Geometric Shapes Volume Relationship Set	\$17.95	www.hands2mind.com
(2) Volume Classroom Posters Version A - by New Path Learning Version B - by Poster Envy	\$19.95 \$8.99	www.newpathlearning.com www.posterenvy.com
(3) Math Volume Card Set	\$2.00 digital download	www.teachersdojo.com
(4) Geometry Formulas Foldable	\$3.00 digital download	www.teacherspayteachers.com

SIDE #2:

(5) 3-D Shapes Bingo	\$2.00 digital download	www.teacherspayteachers.com
(6) Finding Volume Interactive Game	\$3.00 digital download	www.teacherspayteachers.com
(7) Volume of Geometric Shapes Worksheets	\$1.50 digital download	www.teacherspayteachers.com

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.