WORD UP!
Shelley Wirtz

9TH-12TH PLANE/COMBINED GEOMETRY VOCABULARY

Objectives (P.A.S.S.):
1. Use mathematical language and symbols to read and write mathematics and to converse with others.
2. Demonstrate mathematical ideas orally and in writing.
3. Analyze mathematical definitions and discover generalizations through investigations.

Materials:
- poster board, markers, glue (tacky glue seemed to work best), pipe cleaners, scissors, tape, textbook, magazines or access to internet and printer

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Introduction

- Foreign Country Analogy
- Grade Structure
  - term (53x1)
  - physical representation (53x3)
  - real-world example (53x2)

Instructional process

- Activity 1: Pre-test w/ word bank
- Activity 2: Vocabulary Posters
- Activity 3: Photo Scavenger Hunt
- Activity 4: Review of Pre-test and how the language created the picture in our minds.
- Activity 5: Post-test w/ word bank
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- Closure
  - Back to Foreign Country analogy
  - Reflection

- Assessment
  - Pre/Post Test
  - Poster
  - Discussion
  - Observation
  - Participation

TERMS

- Acute angle
- Acute triangle
- Adjacent angles
- Alternate interior angles
- Altitude of a triangle
- Angle
- Angle bisector
- Central angle of a circle
- Chord
- Circle
- Circumference
- Circumscribed circle
- Inscribed polygon
- Circumscribed polygon
- Inscribed circle
- Complementary angles
- Congruent angles
- Coordinate plane
- Corresponding angles
- Diameter
- Equilateral triangle
- Exterior angle of a triangle
- Hexagon
- Hypotenuse
- Isosceles triangle
- Median of a triangle
- Minor arc
- Major arc
- Obtuse angle
- Obtuse triangle
- Octagon
- Perpendicular lines
- Parallelogram
- Pentagon
- Perpendicular line
- Polygon
- Quadrant
- Quadrilateral
- Ray
- Rectangle
- Regular polygon
- Rhombus
- Right angle
- Right triangle
- Rectangle
- Supplementary angles
- Transversal
- Trapezoid
- Triangle
- Vertical angles

PHYSICAL REPRESENTATION
PIPE CLEANER DESIGNS

VOCABULARY POSTERS

11/19/2008
REAL-WORLD REPRESENTATION

PHOTO SCAVENGER HUNT

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