

Geometry Picture Book



MATERIALS NEEDED

Camera, Computer, or Video Camera

PROJECT

Using a camera or the Internet, you will collect pictures of the items listed below found in the world around you. You will make a picture book, power point, or video showing the items that you found. Each page or slide must contain the following, however if you do a video you must do a commentary for the following:

- 1) show the picture or object that represents the geometric concept;
- 2) give your description of what it is;
- 3) tell where you found it;
- 4) give the definition of the term in your own words.

If you don't include all of these items, points will be deducted - your grade can drop fast! You should have a cover or title page with a picture (photograph or drawn) having to do with geometry. You will select concepts from the list below to create your picture book, PowerPoint, or video (choose 25). You may only use each item *one* time. If you use the same item twice you will not get credit for the second one.

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|------------------------------------|---------------------------------------|
| 1) Circle | 2) Trapezoid |
| 3) Line Segment | 4) Rectangle |
| 5) Square | 6) Sphere |
| 7) Parallelogram (not a rectangle) | 8) Rhombus (not a square) |
| 9) Triangle | 10) Metric Measurements |
| 11) Chord (of a circle) | 12) Concurrent Lines |
| 13) Betweeness | 14) Acute Angle |
| 15) Obtuse Angle | 16) Right Angle |
| 17) Right Triangle | 18) Center of a Polygon |
| 19) Congruent Triangles | 20) Congruent Circles |
| 21) Ratios | 22) Similar Triangles (not congruent) |
| 23) Intersection | 24) Scale Drawings |
| 25) Parallel Lines | 26) Tangent Line |
| 27) Skew Lines | 28) Vertex of an Angle |
| 29) Transversal | 30) Scalene Triangle |
| 31) Equilateral Triangle | 32) Ray |
| 33) Conditional Statement | 34) Concentric Circles or Polygons |

IMPORTANT

- The representations of geometric concepts must exist without your help!! This means that you may not put a pencil on a ball to represent a tangent line. Originality will also be important - try to find things that are unique.
- For each picture that shows the geometric concept in nature, you will receive a bonus point.