

WORD BANK
for
UNDERSTANDING MEASUREMENT & GEOMETRY PLUS
part of
the 10 UNDERSTANDING MATH PLUS PROGRAMS

This is a list of words compiled to use along with Understanding Measurement & Geometry PLUS. There is a Word Bank created for each topic that can be selected from the Main Menu. Remember that each topic contains a wide variety of information that extends across different grade levels. The words that are recommended to know are words that students will be presented with as they complete the lessons. These words could be reviewed before starting a lesson, put on a word wall, included in a math dictionary or whatever else you see fit. The words students input are the words that students need to input within the software, spelled correctly, to complete a lesson. This could be used as support for students that struggle with language, or for building a word wall.

Note: a. The Understanding Math PLUS series of programs consist of 10 programs written for Kindergarten to 10th Grade.

The 10 programs are:

- Understanding Fractions
- Understanding Probability
- Understanding Exponents
- Understanding Algebra
- Understanding Numeration
- Understanding Measurement and Geometry
- Understanding Whole Numbers and Integers
- Understanding Percent
- Understanding Equations
- Understanding Graphing

Note: b. The Understanding Numeration software for K to 3 is set up so that the teacher selects items in the following order:

Concept .. from 5 concepts .. Counting, Comparing & Ordering, Place Value, Operations and Problem Solving.

Skill .. chosen from the list of specific learning expectations

Level .. indicates the levels of development for Kindergarten to 3rd grade.

Level	Upper Range of Number
A	10
B	20
C	100
D	1000

Lesson .. 250 lessons are sequenced to build understanding of concepts.

A detailed Lesson Synopsis on the website www.neufeldmath.com to assist the teacher by stating the lesson contents but also by giving lesson suggestions.

Worksheet .. off computer worksheets are selected from the CD by a code.

Note: c. The remaining 9 Understanding Math programs for 4th to 10th grade are set up so that they can be used in a variety of teaching and learning environments ranging from a teacher centered approach with 1 computer to a student centered lab approach. The lessons can also be used in remediation, tutorial, intervention, resource, fast-tracking.

Each topic has:

- an interactive concept introduction, usually with a variety of graphic approaches.
- a number of particular examples
- practice questions with random questions but particular feedback
- a topic test with random questions and tracking
- off computer worksheets selected from the website .. www.neufeldmath.com

1. An Introduction to Measurement

Words Students Input	Words Students Should Know
gram centigram milli liter centiliter meter centimeter foot inch yard	standardized Metric cubits displace units Imperial linear meter yard decimeter centimeter millimeter foot inch prefix deka hecto kilo deci centi milli mass volume gram liter ruler scale benchmark

2. Perimeter and Area of Polygons

Words Students Input	Words Students Should Know
triangle flat straight polygon length same right square units half length width	polygon closed shape plane flat straight vertices quadrilateral equilateral rhombus square regular rectangle

	<p>pentagon hexagon octagon perimeter surface area parallelogram parallel perpendicular</p>
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3. The Circle

Words Students Input	Words Students Should Know
<p>radius distance around add center circle diameter surface square</p>	<p>radius diameter circumference Pi compass</p>

4. Solids... Volume and Surface Area

Words Students Input	Words Students Should Know
<p>edge face faces vertices vertex edges two quadrilateral pentagon hexagon octagon polygons triangle rectangle triangles circumference base top height</p>	<p>solid three-dimensional faces edges vertices polyhedron parallel prism cylinder cone platonic solids tetrahedron hexahedron octahedron surface area volume displacement method cubic unit</p>

5. Angles and Their Measure

Words Students Input	Words Students Should Know
line end both ray one vertex degrees complementary supplementary	lines rays angles acute right straight obtuse degree protractor vertex perpendicular complementary supplementary baseline crosshairs

6. Angles and Polygons

Words Students Input	Words Students Should Know
parallel transversal corresponding alternate supplementary opposite straight side hexagon	angles parallel lines polygons plane transversal opposite alternate corresponding interior exterior

7. Constructions

Words Students Input	Words Students Should Know

8. Projective Geometry

Words Students Input	Words Students Should Know

9. Ratios for Areas and Volumes

Words Students Input	Words Students Should Know