lead4ward

Academic Vocabulary

CONTENT BUILDER FOR THE PLC

MATH
GRADE 3

PLEASE NOTE: The words contained in **Academic Vocabulary** are words/concepts/terms essential for concept development; this list is not intended to be comprehensive.
The "new to grade level" vocabulary suggestions are a starting point, and educators are encouraged to refer to their district curriculum resources for additional words/concepts/terms.

Representation and Comparison of Whole Numbers

3.2 **Number and operations.** The student applies mathematical process standards to represent and compare whole numbers and understand relationships related to place value.

		important words for concept development	
subcluster	**standards**	**new to grade level**	**previously introduced**
Representation	3.2(A), 3.2(B)	expanded notation* hundred thousands ten thousands*	hundreds* ones place value standard form* tens* thousands*
Comparison	3.2(D)		equal (=)* greater than (>)* greatest to least* inequality least to greatest less than (<)*
Rounding	3.2(C)	halfway* round	nearest 10, 100

Fractions

3.3 **Number and operations.** The student applies mathematical process standards to represent and explain fractional units.

3.6 **Geometry and measurement.** The student applies mathematical process standards to analyze attributes of two-dimensional geometric figures to develop generalizations about their properties.

3.7 **Geometry and measurement.** The student applies mathematical process standards to select appropriate units, strategies, and tools to solve problems involving customary and metric measurement.

		important words for concept development		
subcluster	**standards**	**new to grade level**	**previously introduced**	
Representation	3.3(A), 3.3(B), 3.3(E), 3.7(A)	denominator numerator sixths thirds	eighths equal parts equal shares* fourths fraction*	fractional part halves part of a whole whole
Unit Fractions	3.3(C), 3.3(D), 3.6(E)	denominator numerator unit fraction	equal parts equal shares whole	
Equivalency	3.3(F), 3.3(G)	area model denominator* equivalent fraction* numerator simplified form	equal parts* equal shares part of a whole* whole	
Comparison	3.3(H)	denominator* numerator*	greater than (>)* less than (<)* part of the whole size of the whole	

Addition and Subtraction of Whole Numbers

3.4 **Number and operations.** The student applies mathematical process standards to develop and use strategies and methods for whole number computations in order to solve problems with efficiency and accuracy.

3.5 **Algebraic reasoning.** The student applies mathematical process standards to analyze and create patterns and relationships.

important words for concept development			
subcluster	**standards**	**new to grade level**	**previously introduced**
Estimation	3.4(B)	compatible number nearest 10 or 100 round	estimate* estimation language (about, a little more/less than, close to*, approximately)
Addition/ Subtraction	3.4(A), 3.5(A)	associative property commutative property inverse property	comparing difference* distance fact family joining separating sum unknown number/quantity
Money	3.4(C)		bills*/dollar dime nickel penny quarter
Numerical Patterns	3.5(E)	additive pattern input-output table number pairs rule	

Multiplication and Division of Whole Numbers

3.4 **Number and operations.** The student applies mathematical process standards to develop and use strategies and methods for whole number computations in order to solve problems with efficiency and accuracy.

3.5 **Algebraic reasoning.** The student applies mathematical process standards to analyze and create patterns and relationships.

3.6 **Geometry and measurement.** The student applies mathematical process standards to analyze attributes of two-dimensional geometric figures to develop generalizations about their properties.

important words for concept development				
subcluster	**standards**	**new to grade level**		**previously introduced**
Multiplication	3.4(D), 3.4(E), 3.4(F), 3.4(G), 3.5(C), 3.5(D), 3.6(C)	area model array associative property column commutative property distributive property	factor multiplication partial product product row*	equal groups/shares square unit* unknown number/quantity
Division	3.4(H), 3.4(I), 3.4(J)	dividend divisible division divisor	factor product quotient	equal groups/shares even* odd*
Multiplication and Division	3.4(K), 3.5(B)	area model array* division multiplication		equal groups/shares
Numerical Patterns	3.5(E)	input-output table multiplicative pattern number pair rule		

Geometry

3.6 **Geometry and measurement.** The student applies mathematical process standards to analyze attributes of two-dimensional geometric figures to develop generalizations about their properties.

		important words for concept development		
subcluster	**standards**	**new to grade level**	**previously introduced**	
Two-Dimensional/ Three-Dimensional	3.6(A), 3.6(B), 3.6(E)	quadrilateral*	base* circle cone* congruent* cube (special type of rectangular prism)* cylinder* edge* face* hexagon* octagon parallelogram* pentagon* polygon* prism*	rectangle* rectangular prism* rhombus* shape/figure* solid sphere* square (as a special rectangle)* three-dimensional trapezoid* triangle* triangular prism* two-dimensional vertex/vertices*

Measurement

3.6 **Geometry and measurement.** The student applies mathematical process standards to analyze attributes of two-dimensional geometric figures to develop generalizations about their properties.

3.7 **Geometry and measurement.** The student applies mathematical process standards to select appropriate units, strategies, and tools to solve problems involving customary and metric measurement.

		important words for concept development			
subcluster	**standards**	**new to grade level**		**previously introduced**	
Perimeter	3.7(B)	dimensions* perimeter*		length* side*	
Area	3.6(C), 3.6(D)	area model array dimensions*	square feet*/yard*/ centimeter* width*	area* length rectangle*/rectangular	square unit square*
Time	3.7(C)			half past hour minute*	quarter after/quarter past quarter to/quarter 'til
Liquid Capacity/ Weight	3.7(D), 3.7(E)	capacity: customary (gallon*, quart*, pint, cup, fluid ounce*) liquid capacity liquid volume metric (liter, milliliter)	weight*: customary (ton, pound*, ounce*) metric (kilogram, gram, milligram)		

Data Analysis

3.8 **Data analysis.** The student applies mathematical process standards to solve problems by collecting, organizing, displaying, and interpreting data.

		important words for concept development		
subcluster	**standards**	**new to grade level**	**previously introduced**	
Representation	3.8(A)	data point dot plot* frequency table*	bar graph* category data/information graph title	label legend (key) pictograph* scaled intervals
Interpretation	3.8(B)		comparative language (more than*/less than/equal to) joining/separating/comparing	

Personal Financial Literacy

3.9 **Personal financial literacy.** The student applies mathematical process standards to manage one's financial resources effectively for lifetime financial security.

		important words for concept development	
subcluster	**standards**	**new to grade level**	**previously introduced**
Earning, Spending, and Saving	3.9(C), 3.9(E), 3.9(F)	credit planned spending unplanned spending	charity cost income save spending
Borrowing	3.9(D)	borrower/borrowed* credit interest* lender	needs wants
Economics	3.9(A), 3.9(B)	availability of resources human capital labor* scarcity of resources	cost income*