lead4ward

Academic Vocabulary

CONTENT BUILDER FOR THE PLC

MATH
GRADE 1

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

1.2 **Number and Operations.** The student applies mathematical process standards to represent and compare whole numbers, the relative position and magnitude of whole numbers, and relationships within the numeration system related to place value.

1.5 **Algebraic reasoning.** The student applies mathematical process standards to identify and apply number patterns within properties of numbers and operations in order to describe relationships.

		important words for concept development		
subcluster	**standards**	**new to grade level**		**previously introduced**
Representation	1.2(A), 1.2(B), 1.2(C), 1.5(A)	digit expanded form hundreds ones	place value standard form tens	backward compose decompose forward word form
Comparison	1.2(D), 1.2(E), 1.2(G), 1.2(F), 1.5(C)	> (greater than) < (less than) = (equal to) 10 less 10 more	greatest to least inequality least to greatest open number line	

Addition and Subtraction of Whole Numbers

1.3 **Number and operations.** The student applies mathematical process standards to develop and use strategies for whole number addition and subtraction computations in order to solve problems.

1.5 **Algebraic reasoning.** The student applies mathematical process standards to identify and apply number patterns within properties of numbers and operations in order to describe relationships.

		important words for concept development	
subcluster	**standards**	**new to grade level**	**previously introduced**
Strategies	1.3(A), 1.3(C), 1.3(D), 1.3(E), 1.5(B), 1.5(G)	doubles fact family make 10 think addition/count on twos, fives, tens	addition difference number sentence/equation subtraction sum
Application	1.3(B), 1.3(F), 1.5(D), 1.5(E), 1.5(F)	comparing distance unknown value	addition difference joining number sentence/equation separating subtraction sum

Fractions

1.6 **Geometry and measurement.** The student applies mathematical process standards to analyze attributes of two-dimensional shapes and three-dimensional solids to develop generalizations about their properties.

		important words for concept development	
subcluster	**standards**	**new to grade level**	**previously introduced**
Fractions	1.6(G), 1.6(H)	equal parts/fair shares fourths/quarters half/halves part whole	

Geometry

1.6 **Geometry and measurement.** The student applies mathematical process standards to analyze attributes of two-dimensional shapes and three-dimensional solids to develop generalizations about their properties.

		important words for concept development		
subcluster	**standards**	**new to grade level**	**previously introduced**	
Two-Dimensional	1.6(A), 1.6(B), 1.6(C), 1.6(D), 1.6(F)	hexagon rhombus	circle flat/curved rectangle shape/figure side	square (as a special rectangle) triangle two-dimensional vertex/vertices
Three-Dimensional	1.6(B), 1.6(E)	cube (as a special rectangular prism) rectangular prism triangular prism	cone cylinder edge face flat/curved surface	solid sphere three-dimensional vertex/vertices

Measurement

1.7 **Geometry and measurement.** The student applies mathematical process standards to select and use units to describe length and time.

		important words for concept development	
subcluster	**standards**	**new to grade level**	**previously introduced**
Length	1.7(A), 1.7(B), 1.7(C), 1.7(D)	distance measurement tool unit of measure	comparison language (fewer/more, longer than/shorter than) estimation language (about, a little more/less than, close to, approximately) length
Time	1.7(E)	half hour half past hour minute time	estimation language (about, a little more/less than, close to, approximately)

Data Analysis

1.8 **Data analysis.** The student applies mathematical process standards to organize data to make it useful for interpreting information and solving problems.

		important words for concept development	
subcluster	**standards**	**new to grade level**	**previously introduced**
Representation	1.8(A), 1.8(B)	T-chart tally mark	category data/information graph title label picture graph
Interpretation	1.8(C)	bar-type graph	comparative language (more than/less than/equal to) joining/separating/comparing picture graph

Personal Financial Literacy

1.4 **Number and operations.** The student applies mathematical process standards to identify coins, their values, and the relationships among them in order to recognize the need for monetary transactions.

1.9 **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**
Money	1.4(A), 1.4(B), 1.4(C)	cent symbol	pennies (twos) nickels (fives) dimes (tens) quarters
Earning, Spending, and Saving	1.9(A), 1.9(B), 1.9(C), 1.9(D)	charity (giving) goods saving services spending	income money earned needs wants