LabLearner Math Concept
Grade 4

CELL

Common Core State Standard	Gain familiarity with factors and multiples	Understand decimal notation for fractions, and compare decimal fractions	Represent and interpret data	Understand concepts of angle and measure angles	Draw/identify lines/angles;classify shapes by properties of their lines/angles	Extend understanding of fraction equivalence and ordering	Use the 4 operations with whole numbers to solve problems	Generate and analyze patterns	Generalize place value understanding for multi-digit whole numbers	Solve problems involving measurement & unit conversions
Microscopes and Magnification										
Angles				X	X					
Comparing (non)measurable characteristics			X							
Data analysis			X							
Data table			X							
Decimals		X								
Diameter										X
Division							X			
Greater than/less than/equal to			X							
Height										X
Least to greatest			X							
Length										X
Multiplication	X						X			
Parts/whole		X				X				
Place value		X							X	

Problem solving						X			X
Rays				X					
Sequential order		X							
Size, shape, form				X					
Venn diagram		X							
Whole numbers									
Width									X
Chemistry Matter and Interactions									
Addition						X			
Bar graph		X							
Comparing (non)measurable characteristics		X							
Data analysis		X							
Data table		X							
Decimals	X								
Estimation									
Fractions	X				X				
Greater than/less than/equal to		X							
Least to greatest		X							
Length									X
Mass									X
Parts/whole	X				X				
Place value	X								
Positive/Negative integers									
Quantitative properties								X	X
Scales		X							
Size, shape, form				X					
Skip counting									
Subtraction						X			
Tally marks		X							
Temperature									X
Time									
Volume									X
Whole numbers									
Forms of Energy									
Addition						X			
Calculating averages						X			
Comparing (non)measurable characteristics		X							
Data analysis		X							
Data table		X							
Decimals	X								
Frequency									
Greater than/less than/equal to		X							
Height									X
Least to greatest		X							
Length									X
Mass									X
Ordinal numbers									

Parts/whole		X				X				
Percentages										
Place value		X							X	
Positive/Negative integers										
Problem solving							X			X
Sequential order			X							
Tally marks			X							
Temperature										X
Time										
Volume										X
Whole numbers										
Ecosystems and Adaptation										
Addition							X			
Bar graph			X							
Comparing (non)measurable characteristics			X							
Continuum scale			X							
Data analysis			X							
Data table			X							
Decimals		X								
Diameter										X
Division							X			
Greater than/less than/equal to			X							
Grouping/classifying			X							
Least to greatest			X			X				
Length										X
Line graph			X							
Mass										X
Multiplication	X						X			
Ordinal numbers										
Percentages										
Place value		X							X	
Problem solving							X			X
Skip counting										
Subtraction							X			
Time										
Volume										X
Whole numbers										
Light and Optics										
Angles; measuring in degrees				X	X					
Comparing (non)measurable characteristics			X							
Continuum scale			X							
Data analysis			X							
Data table			X							
Decimals		X								
Exponents										
Fractions		X				X				
Frequency										

Geometry				X					
Greater than/less than/equal to		X							
Least to greatest		X			X				
Length									X
Parts/whole	X				X				
Place value	X							X	
Size, shape, form				X					
Subtraction						X			
Temperature									X
Volume									X
Whole numbers									
Examining Nutrition									
Addition						X			
Bar graph		X							
Comparing (non)measurable characteristics		X							
Continuum scale		X							
Data analysis		X							
Data table		X							
Division						X			
Fractions	X				X				
Greater than/less than/equal to		X							
Grouping/classifying		X							
Least to greatest		X			X				
Mass									X
Ordinal numbers									
Parts/whole	X				X				
Percentages									
Place value	X							X	
Problem solving						X			X
Sequential order		X							
Size, shape, form				X					
Skip counting									
Temperature									X
Venn diagram		X							
Volume									X
Whole numbers									