

Michigan Project Learning Tree PreK-8 Guide Michigan Grade Level Content Expectations – Math X = Addresses/Supports	19. Viewpoints on the Line	20. Environmental Exchange Box	21. Adopt a Tree	22. Trees as Habitats	23. The Fallen Log	24. Nature’s Recyclers	25. Birds and Worms	26. Dynamic Duos	27. Every Tree for Itself	28. Air Plants	29. Rain Reasons	30. Three Cheer for Trees	31. Plant a Tree	32. A Forest of Many Uses	33. Forest Consequences	34. Who Works in this Forest?	35. Loving It Too Much	36. Pollution Search
	D.RE.04.03 Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets.				X					X								

Michigan Project Learning Tree PreK-8 Guide Michigan Grade Level Content Expectations – Math X = Addresses/Supports	37. Reduce, Reuse, Recycle	38. Every Drop Counts	39. Energy Sleuths	40. Then and Now	41. How Plants Grow	42. Sunlight and Shades for Green	43. Have Seed, Will Travel	44. Water Wonders	45. Web of Life	46. School Yard Safari	47. Are Vacant Lots Vacant?	48. Field, forest, and Stream	49. Tropical Treehouse	50. 400-Acre Wood	51. Make Your Own Paper	52. A Look at Aluminum	53. On the Move	54. I’d Like to Visit a Place Where
	Grade 4																	
Multiply and divide decimal fractions																		
N.FL.04.33 Multiply and divide decimals up to two decimal places by a one-digit whole number where the result is a terminating decimal, e.g., $0.42 \div 3 = 0.14$, but not $5 \div 3 = 1.6$.																	X	
Measure using common tools and appropriate units																		
M.UN.04.01 Measure using common tools and select appropriate units of measure.		X			X					X	X							
M.PS.04.02 Give answers to a reasonable degree of precision in the context of a given problem.		X			X													
M.UN.04.03 Measure and compare integer temperatures in degrees.											X							

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Represent and solve problems for given data																		
D.RE.04.01 Construct tables and bar graphs from given data.		X			X												X	
D.RE.04.03 Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets.					X												X	

<p>Michigan Project Learning Tree PreK-8 Guide</p> <p>Michigan Grade Level Content Expectations - Math</p> <p>X = Addresses/Supports</p>	55. Planning the Ideal Community	56. We Can Work It Out	57. Democracy in Action	58. There Ought to Be a Law	59. Power of Print	60. Publicize It!	61. The Closer You Look	62. To Be a Tree	63. Tree Factory	64. Looking at Leaves	65. Bursting Buds	66. Germinating Giants	67. How Big Is Your Tree?	68. Name that Tree	69. Forest for the Trees	70. Soil Stories	71. Watch on Wetlands	72. Air We Breathe
Grade 4																		
Multiply and divide whole numbers																		
N.ME.04.09 Multiply two-digit numbers by 2, 3, 4, and 5 using the distributive property, e.g., $21 \times 3 = (1 + 20) \times 3 = (1 \times 3) + (20 \times 3) = 3 + 60 = 63$.												X	X					
N.FL.04.10 Multiply fluently any whole number by a one-digit number and a three-digit number by a two-digit number; for a two-digit by one-digit multiplication use distributive property to develop meaning for the algorithm.													X					
N.FL.04.11 Divide numbers up to four-digits by one-digit numbers and by 10.												X	X					

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N.MR.04.14 Solve contextual problems involving whole number multiplication and division.												X	X					
Multiply and divide decimal fractions																		
N.FL.04.33 Multiply and divide decimals up to two decimal places by a one-digit whole number where the result is a terminating decimal, e.g., $0.42 \div 3 = 0.14$, but not $5 \div 3 = 1.6$.												X	X					
Estimate																		
N.FL.04.34 Estimate the answers to calculations involving addition, subtraction, or multiplication.												X						
Measure using common tools and appropriate units																		
M.UN.04.01 Measure using common tools and select appropriate units of measure.												X	X					
M.PS.04.02 Give answers to a reasonable degree of precision in the context of a given problem.												X	X					
Convert measurement units																		
M.TE.04.05 Carry out the following conversions from one unit of measure to a larger or smaller unit of measure: meters to centimeters, kilograms to grams, liters to milliliters, hours to minutes, minutes to seconds, years to months, weeks to days, feet to inches, ounces to pounds (using numbers that involve only simple calculations).												X						

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Grade 4																			
Measure using common tools and appropriate units																			
M.UN.04.01 Measure using common tools and select appropriate units of measure.					X														
M.PS.04.02 Give answers to a reasonable degree of precision in the context of a given problem.					X														
Represent and solve problems for given data																			
D.RE.04.01 Construct tables and bar graphs from given data.	X																		
D.RE.04.02 Order a given set of data, find the median, and specify the range of values.	X																		
D.RE.04.03 Solve problems using data presented in tables and bar graphs, e.g., compare data represented in two bar graphs and read bar graphs showing two data sets.	X																		

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Grade 4						