

Curriculum Map

Subject: Math	Grade: 2
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Time Frame	Topic	Content	Resources	Assessments	Standard
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September	Understanding Addition and Subtraction Addition Strategies	To visualize addition children will write sentences and solve problems about joining. They will use different strategies to solve problems. To visualize subtraction they will solve and write problems about separating and comparing.	Envision Math topics 1 and 2 Daily fluency fact tests Teacher provided activities and games, Envision masters, math manipulatives	Topic tests, Quick checks, Fast facts, observations	2.OA.1, 2.NBT.9 2.NBT.5 ,2.OA.2
October	Subtraction Strategies Working with Equal Groups Place Value to 100	Addition and Subtraction have an inverse relationship. Children will use more than one algorithm to solve problems. Repeated addition involves joining equal groups which can be shown using arrays.	Envision Math topics 3, and 4, Subtraction games and activities Daily fluency fact practice, math manipulatives	Topic tests and performance activities, Quick checks, fast facts, observations	2.OA.1 2.OA.2 2.NBT.5 2.NBT.9 2.OA.4
November	Place Value to 100 Mental Addition	Children will read and write number to 99. They will represent these numbers using expanded form, using base ten models and standard forms. They will compare these numbers and use a hundred chart to find numbers. Children will use various mental math strategies to add two digit numbers.	Envision Math topics 5 and 6, Envision masters, math manipulatives, teacher provided place value activities	Topic tests and performance activities, Quick checks, fast facts, observations	2.NBT.1 2.NBT.2 2.NBT.4 2.NBT.5 2.NBT.6 2.NBT.8 2.NBT.9 2.OA.1

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December	Mental Subtraction Adding Two-Digit Numbers	Children will mentally subtract multiples of ten and use a hundred chart to subtract 2 two-digit numbers. They will find the difference between two-digit numbers up to 100 by finding the missing part. Children will use place value and standard algorithms to solve addition of two digit numbers.	Envision Math topics 7 and 8, Envision masters, math manipulatives, teacher provided activities.	Topic tests and performance activities, Quick checks, fast facts, observations	2.NBT.5 2.NBT.7 2.NBT.8 2.NBT.9 2.NBT.6 2.OA.1 2.MD.6
January	Adding Two-Digit Numbers (cont.) Subtracting Two-Digit Numbers	Children will continue with addition strategies, including using a number line to solve addition problems. Children will use models and previous strategies to subtract 2 two-digit number problems. They will practice and use regrouping strategies. They will use standard algorithms to subtract and use addition as a way to check the difference.	Envision Math topics 8 and 9 Envision Masters, math manipulatives, teacher provided activities.	Topic tests and performance activities, Quick checks, fast facts, observations	2.NBT.5 2.NBT.6 2.NBT.9 2.OA.1 2.MD.6
February	Place Value to 1000	Children will count by hundreds to 1000, use place value models to show numbers to 1000, read and write numbers to 1000, add and subtract multiples of 10 or 100 from a 3 digit number, order 3 digit numbers from least to greatest and greatest to least.	Envision Math topic 10, Envision Masters, teacher provided activities	Topic test and performance activity, Quick check, observations	2.NBT.1 2.NBT.2
March	Mental Math, Geometry, Money	Children will use mental math to find	Envision Math	Topic test and	.2NBT.5

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		missing parts of number sentences. They will describe and analyze shapes. They will count collections of coins and demonstrate various ways to show the same amount of money.	Topic 11 and Topic 12, math manipulatives, coin collections and puzzles, time and money Bingo. Write the room activities, fraction games, Envision masters	performance activity, Quick checks, observations, fast fact reviews	2NBT.9 2MD.8 2G.1 2G.2 2G.3
April	Addition and Subtraction of Money (3 digits). Estimation of sums and differences. Using organized lists to solve problems.	Children will understand that money amounts can be counted in different ways using different combinations of bills and coins. They will understand that some problems can be solved by generating and organizing a list in a systematic way so all outcomes are accounted for.	Envision Math Topic 13, Envision masters	Topic test and performance activity, Quick checks, observations	2NBT.5 2NBT.9 2MB.8
May	Estimating and measuring lengths of objects using standard units. Relate addition and subtraction to length Telling time to 5 minutes Ways to add and subtract money	Children will understand that adding and subtracting money is the same process as adding and subtracting whole numbers. They will understand that the standard units of length measurement, such as inches and centimeters, are always the same. These units may be added and subtracted to compare objects of different lengths.	Envision Math Topic 14 and Topic 15, measuring “Olympics”, Time related games and puzzles, Envision masters	Topic test and performance activity, Quick checks, observations, time checks, fast fact reviews	2MB.1 2MB.2 2MB.3 2MB.4 2MB.5 2MB.7 2MB.9 2MB.10
June	Graphing ; Organizing data, interpreting data, using graphs	Children will find that data can be organized in different ways. Each type	Envision Math Topic 16 and Step	Topic test and performance	2MB.7 2MB.9

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	to solve problems. Step up to Grade 3	of graph is most appropriate for certain kinds of data. Some problems can be solved by making, reading and analyzing a bar graph or pictograph.	up to Grade 3 activities, graphing activities, Envision masters	activity, final assessment, graphing activities	2MB.10