## Gwinnett County Public Schools Mathematics: Grade 2 - At A Glance 2015-2016

## Standards for Mathematical Practice

1 Make sense of problems and persevere in solving them.
2 Reason abstractly and quantitatively.
3 Construct viable arguments and critique the reasoning of others.

4 Model with mathematics.
7 Look for and make use of structure.
5 Use appropriate tools strategically.
6 Attend to precision.

## 1 st 9 Weeks: Unit 1: Base Ten

## Understand place value.

- 5.NBT. 1 explain that the three digits of a three-digit number represent amounts of hundreds, tens, and ones (e.g., 706 equals 7 hundreds, 0 tens, and 6 ones)
- 6.NBT.1_a. explain that 100 can be thought of as a bundle of ten tens, called a "hundred"
- 7.NBT.1_b. explain the numbers 100, 200, 300, 400, 500, 600, 700, 800, 900 refer to one, two, three, four, five, six, seven, eight, or nine hundreds (and 0 tens and 0 ones)
- 8.NBT. 2 count within 1000; skip-count by 5 s, 10s, and 100s
- 9.NBT. 3 read, write, and represent numbers to 1000 using a variety of models, diagrams and base ten numerals including standard and expanded form
- 10.NBT. 4 compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using $>$, $=$,and < symbols to record the results of comparisons


## Represent and interpret data.

 using information presented in a bar graph.

Represent and solve problems involving addition and subtraction.
 problem. Problems include contexts that involve adding to, taking from, putting together, taking apart (part/part/whole), and comparing with unknowns in all positions.

## Add and subtract within 20.

- 2.OA. 2 fluently add and subtract within 20 using mental strategies. By the end of grade 2 , know from memory all sums of two one-digit numbers

Use place value understanding and properties of operations to add and subtract.

- 11.NBT. 5 add and subtract fluently within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction


## Represent and interpret data.

 using information presented in a bar graph.

## 3rd 9 Weeks: Unit 3: Measurement

Measure and estimate lengths in standard units.

- 16.MD. 1 measure length by determining, selecting and using an appropriate tool (rulers, yardsticks, meter sticks, measuring tapes) and unit (in., ft., yd., cm, m)
 different systems of measurement. For example, an inch is longer than a centimeter; but students are not expected to convert between systems of measurement.
- 18.MD. 3 estimate lengths using units of inches, feet, yards, centimeters and meters, then measure to determine if estimations were reasonable
 Relate addition and subtraction to length.
 unknown number to represent the problem
- 21.MD. 6 represent whole numbers as lengths from 0 on a number line with equally spaced points corresponding to the numbers 0,1 , 2 , ..., and represent whole-number sums and differences within 100 on a number line diagram


## Work with time and money.

- 22.MD. 7 use analog and digital clocks to tell and write time to the nearest five minutes using AM and PM


## Represent and interpret data.

- 24.MD. 9 generate measurement data by measuring lengths of several objects to the nearest whole unit, or by making repeated measurements of the same object. Show the measurements by making a line plot, where the horizontal scale is marked off in whole-number units
 using information presented in a bar graph.


## Unit 4: Applying Base Ten

## Use place value understanding and properties of operations to add and subtract.

- 12.NBT. 6 add up to four two-digit numbers using strategies based on place value and properties of operations

 ones; and sometimes it is necessary to compose or decompose tens or hundreds
- 14.NBT. 8 use mental math strategies to add and subtract 10 or 100 to a given number between 100-900
- 15.NBT. 9 explain why addition and subtraction strategies work using place value and the properties of operations


## Work with time and money.

 you have?)

## Represent and interpret data.

 using information presented in a bar graph.

## Unit 5: Geometry

## Reason with shapes and their attributes.

 and cubes.

- 27.G. 2 partition a rectangle into rows and columns of same-size squares and count to find the total number of them
 three thirds, four fourths. Recognize that equal shares of identical wholes need not have the same shape


## Represent and interpret data

 using information presented in a bar graph.

## Unit 6: Multiplication

## Work with equal groups of objects to gain foundations for multiplication.

 number as a sum of two equal addends)
 sum of two equal addends
Represent and interpret data.
 using information presented in a bar graph.

