Curriculum Parent Overview (Grade 2)

MATHEMATICS

UNIT #5: HOW MANY TENS? HOW MANY HUNDREDS? (ADDITION, SUBTRACTION, AND THE NUMBER SYSTEM 3)

CONTENT FOCUS:
Students will add and subtract 10, 20, and 30 and 1, 2, and 3 to or from 2-digit numbers and solve 2-step story problems. Students think about combinations that make 100 as they find pairs of 2-digit numbers that equal a number close to 100. Students will focus on developing efficient and accurate strategies for adding 2-digit numbers with 100, specifically those involving adding tens and ones and adding on one number in parts.

UNIT FOCUS:
- Understanding Place Value: Students will be identifying the value that each digit in a 3-digit number represents, compare 3-digit numbers, and use standard notation (<, >) to express the relationship between two quantities.
- Using knowledge of place value to add and subtract: Students will be adding and subtracting a number of tens and/or pens to/from a 2- or 3-digit number, use knowledge of place value to find pairs of 2-digit numbers that add to 100 or a number close to 100, and develop efficient strategies for adding 2-digit numbers.
- Understanding, representing, and solving problems involving addition and subtraction: Students will be finding the difference between two 2-digit numbers, between a 2- or 3-digit number and 100, solving 2-step problems, and adding two 2-digit numbers.
- Fluency within 20: Students will develop fluency with addition and subtraction within 20, relate the plus 10/minus 10 facts to the plus 9/minus 9 facts, and use cubes to show the relationship between numbers.
- Understanding and extending the counting sequence: Students will be reading and writing 3-digit numbers, reasoning about the relationship between 2- and 3-digit numbers, and skip count by 5 and 10 within 1,000.

MATHEMATICAL PRACTICES:
MP4: Model with mathematics.
MP7: Look for and make use of structure.

CONNECTIONS TO PREVIOUS CONTENT:
This unit builds especially on the work in Units 1 and 3. In those units, students solved a variety of types of story problems (e.g., put together/take apart with one or both addends or the total unknown, add to and take from with result unknown, unknown change or an unknown start). They were introduced to a place-value context for modeling our base-10 number system and came to see 100 as 10 tens and multiples of 100 as being made up of hundreds. They began to develop fluency with addition, focusing on strategies that involved decomposing one or both numbers by place. Students played games involving 100 and worked with the counting sequence and composition of 3-digit numbers to 500. In all previous Grade 2 units, students have been working on developing fluency with sets of addition and subtraction facts.

CONNECTIONS TO FUTURE CONTENT:
Students continue to build on and extend their work with numbers and operations in the final three units of Grade 2. They apply their understanding of the operations of addition and

subtraction as they solve story problems that involve combining and comparing lengths (Unit 6), and comparison problems with a smaller unknown (Unit 8). The *Enough for the Grade?* content continues in Unit 8, providing students with opportunities to review and practice a variety of story problems types. In Unit 8, students also achieve fluency with subtraction within 100, and apply their addition and subtraction strategies for 2-digit numbers and their knowledge of place value as they solve problems with 3-digit numbers. Students continue to review and practice addition and subtraction facts within 20 in Units 6 and 7, demonstrating fluency with these facts in Unit 8.

MATH AT HOME:
- Play any of the following games with your child on Savvas Site after it has been introduced in the classroom:
  - Plus 9 or Minus 9 Bingo
  - Capture 5
  - Make a Dollar
  - Close to 100
  - Guess My Number
  - Plus or Minus 10 or 100
- Review the Math Words and Ideas videos for this unit on Savvas Site