Dear Parents,
We will begin our next unit of study in math soon. The information below will serve as an overview of the unit as you work to support your child at home. If you have any questions, please feel free to contact me. I appreciate your on-going support.
Sincerely,
Your Child's Teacher

Unit Name:
Subtraction Strategies

Common Core State Standards:

2.NBT.7 Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.
2.NBT.9 Explain why addition and subtraction strategies work, using place value and the properties of operations.

Essential Vocabulary:

- fluent
- compose
- decompose
- place value
- digit
- add
- subtract
- addition
- subtraction

Unit Overview:

Second graders extend the work from 2.NBT.5 to two 3-digit numbers. Students should have ample experiences using concrete materials and pictorial representations to support their work. This standard also references decomposing a ten. This work should include strategies such as breaking apart a 10 or a 100, or creating an easier problem. The standard algorithm of borrowing is not an expectation in Second Grade. Students are not expected to subtract whole numbers using a standard algorithm until the end of Fourth Grade.

Second graders explain why subtraction strategies work as they apply their knowledge of place value and the properties of operations in their explanation. They may use drawings or objects to support their explanation. Once students have had an opportunity to solve a problem, the teacher provides time for students to discuss their strategies and why they did or didn't work.

Strategies/Skills:

- 3-digit subtraction using base ten place value blocks
- 3-digit subtraction with proof drawings
- 3-digit subtraction using a number line
- 3-digit subtraction using the expanded method

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Video Support:

Video support can be found on The WCPSS Academics YouTube Channel.

- http://tinyurl.com/WCPSSAcademicsYouTube
  - ES 2 Math 3-digit subtraction using base ten place value blocks
  - ES 2 Math 3-digit subtraction with proof drawings
  - ES 2 Math 3-digit subtraction using a number line
  - ES 2 Math 3-digit subtraction using the expanded method

Additional Resources:

If you have limited/no internet access, please contact your child's teacher for hard copies of the resources listed in this document.

- NCDPI Additional Resources
- Please visit the Kahn Academy website at www.khanacademy.org for additional videos and activities. Look under the *Early Math* tab.
- Please visit the Learn Zillion website at www.learnzillion.com to find 2nd Grade math lessons and videos that align with Common Core Standards.

Questions to Ask When Helping Your Child with Math Homework

Keep in mind that homework in elementary schools is designed as practice. If your child is having problems, please let the classroom teacher know. When helping your child with his/her math homework, you don't have to know all the answers! Instead, we encourage you to ask probing questions so your child can work through the challenges independently.

- What is the problem you're working on?
- What do the directions say?
- What do you already know that can help you solve the problem?
- What have you done so far and where are you stuck?
- Where can we find help in your notes?
- Are there manipulatives, pictures, or models that would help?
- Can you explain what you did in class today?
- Did your teacher work examples that you could use?
- Can you go onto another problem & come back to this one later?
- Can you mark this problem so you can ask the teacher for an explanation tomorrow?