

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:
Addition and Subtraction

Common Core State Standards:

3.NBT.2 Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.

Essential Vocabulary:

- Sum
- Addend
- Addition
- Place Value
- Subtract
- Difference
- Show All Totals
- Expanded Form
- Number Line
- Inverse
- Situation Equation
- Solution Equation
- Comparison Equation

Unit Overview:

In this unit students are working on addition and subtraction algorithms and strategies. The word algorithm in this unit means a set of steps or procedures students take to solve an addition or subtraction problem. The students will learn a variety of different algorithms and strategies in this unit, including traditional algorithms. The students should solve addition and subtraction problems with fluency. This means that students should solve addition and subtraction problems accurately and efficiently. Students will also be asked to explain their math thinking and show that the algorithms and strategies they used make sense and are reasonable.

Strategies/Skills:

Students will explore addition and subtraction with different algorithms and strategies. The students are expected to use:

- Expanded Form
- Base Ten Drawings and Models
- Number Lines
- Comparison Models

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Video Support:

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

- <http://tinyurl.com/WCPSSAcademicsYouTube>
 - [ES 3 Math Whole Number Place Value Addition without Regrouping](#) (three digit numbers)
 - [ES 3 Math Whole Number Place Value Addition with Regrouping](#) (two digit numbers)
 - [ES 3 Math Whole Number Place Value Addition with Regrouping](#) (three digit numbers)
 - [ES 3 Math Whole Number Show All Totals Addition](#)
 - [ES 3 Math Whole Number Addition on the Number Line](#)
 - [ES 3 Math Whole Number Place Value Subtraction without Ungrouping](#)
 - [ES 3 Math Whole Number Place Value Subtraction with Ungrouping](#)
 - [ES 3 Math Whole Number Expanded Form Subtraction](#)
 - [ES 3 Math Whole Number Subtraction on the Number Line](#)

Video support can be found on LearnZillion.

- <https://learnzillion.com/>

Subtraction Using a Number Line

- <https://learnzillion.com/lessons/1583-solve-subtraction-problems-using-a-number-line>

Addition Using Partial Sums

- <https://learnzillion.com/lessons/1584-solve-addition-problems-using-the-partial-sums-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](#)

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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?