



Kindergarten Unit 4:

Understanding and Using Addition and Subtraction in My Life.



Overview:

In this unit, students will explore the operations of addition and subtraction and use addition and subtraction to solve problems within 10 from real-life where the result or total is unknown. They will represent the situations in various ways using objects, fingers, drawings, expressions, or equations. Students will solve problems they create by generating questions and gathering information. Students will use a variety of strategies to solve addition and subtraction problems within 10 and become fluent with problems within 5. Students will identify and describe patterns with addition of numbers. Students will identify and extend patterns with numbers and shapes. As they have conversations about their days, they will describe patterns related to time from real-life (yesterday, today, tomorrow).

Learning Targets:

In Unit 4, students will:

- Represent addition and subtraction within 10 from a given context using a variety of representations and strategies.
- Use a variety of strategies to solve addition and subtraction problems within 10.
- Compose (put together) and decompose (break apart) numbers up to 10 using objects and drawings.
- Create, extend, and describe repeating patterns with numbers and shapes, and explain the rationale for the pattern.
- Describe patterns involving the passage of time using words and phrases related to actual events.
- Ask questions and answer them based on gathered information, observations, and appropriate graphical displays to solve problems relevant to everyday life.

Key Vocabulary: (linked to GA DOE Interactive Glossary)

acting out	add- put together	combination	combine	compare	compose
count	difference	decompose	dot cube	drawings	explain
equal	five/ten frame	model	number	number cube	number relationships
number path	numeral	object	pattern	quantity	represent
separate	set	strategy		sum	
one-to-one correspondence		subtract-take apart			

Supporting Resources:

<http://ctlslearn.cobbk12.org/>

<https://toytheater.com/subitizing-seeds/>

<https://gavirtual.instructure.com/courses/33668#modules>

<https://www.nctm.org/Classroom-Resources/Illuminations/Interactives/Five-Frame/>

<https://toytheater.com/shake-and-spill/>

<https://www.didax.com/apps/unifix/>