Strategies - Plus 1 and Plus 2

Content Area: **Mathematics**
Course(s): **Math 2**
Time Period: **November**
Length: **10 Days**
Status: **Published**

Unit Summary

In this unit, students will begin learning the math fact strategy of +1 and +2. This unit builds on students understanding of counting and their previous experiences with number lines. Students transition from counting all to beginning with one addend and counting on (or counting back for subtraction) to find the sum (or difference). The simplicity of counting 1 or 2 more, or 1 or 2 less, makes this the perfect place to begin teaching math fact understanding and automaticity.

Standards

MA.2.OA.B	Add and subtract within 20.
MA.2.OA.B.2	Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.
CRP.K-12.CRP2	Apply appropriate academic and technical skills.
CRP.K-12.CRP2.1	Career-ready individuals readily access and use the knowledge and skills acquired through experience and education to be more productive. They make connections between abstract concepts with real-world applications, and they make correct insights about when it is appropriate to apply the use of an academic skill in a workplace situation.
TECH.8.1.2.A.CS1	Understand and use technology systems.
TECH.8.1.2.A.CS2	Select and use applications effectively and productively.

Student Learning Objectives

Students will learn...

- sum when 1 is added to a quantity is the next counting number.
- addition is a joining or combining process.
- subtraction is a seperation or comparison process.
- the order of teh addends does not change the sum (commutative property).
- addition and subtraction are inverse porcesses.

Essential Questions

- When you add 1, how do you know what the sum will be?
- When you add 2, how do you know what the sum will be?
- Does the order of addends change the sum?
- How might a number line help you with +1 and +2 facts?

Enduring Understandings

Students will understand that...

- the sum when 1 is added to a quantity is the next counting number.
- the sum when 2 is added to a quantity is simply counting 2 more numbers in our counting sequence.
- addition is a joining or combining process and subtraction is a seperation or comparision process.

Application

Students will be able to independently use their learning to…

- solve plus one and plus two facts.

Skills

Students will be skilled at...

- recongizing that when 1 is added to a quantity is the sum is the next counting number.
- recognizing that when 2 is added to a quantity is the sum is simply counting 2 more numbers in our counting sequence.