Unit 1a-Fluently Add And Subtract Within 20

Content Area: **Mathematics**
Course(s): **Math 2**
Time Period: **Marking Period 1**
Length: **MP1 Topic 1 1-1 to 1-10**
Status: **Published**

Essential Questions

- What are the strategies for finding and addition and subtraction facts?

Big Ideas

- **Addition Strategies:** Students will apply addition strategies such as counting on, using doubles and near doubles, making 20, and analyzing addition fact patterns.
- **Subtraction Strategies**: Students will apply subtraction strategies such as counting on and counting back, thinking about the inverse relationship between addition and subtraction, and making 20.
- **Solve Addition and Subtraction Word Problems**: Students will add and subtract within 20 to solve word problems.

CSDT Technology Integration

8.1.2.CS.2: Explain the functions of common software and hardware components of computing.

8.1.2.NI.3: Create a password that secures access to a device. Explain why it is important to create unique passwords that are not shared with others.

8.1.2.NI.4: Explain why access to devices need to be shared.

Activity:

Students will use chromebooks in Guided Math Group rotations. The rules and expectations of digital devices will be reviewed as a class before introducing the math applications that will be used during their stations. An anchor chart will be made to explain the features and purpose of the chromebooks. Students will use chromebooks to watch a BrainPop Jr. video on internet safety and discuss how to appropriately use the internet as well as devices such as Chromebooks. Students will discuss Digital Citizenship.

Enduring Understandings

Operations and Algebraic Thinking

2.OA.B.2 With accuracy and efficiency add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.

2.OA.A.1 Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem. Students may make sense of the ideas that plants need water and light to grow and that climate change affects the health of plants, animals, and people. In this unit, there would be an opportunity to measure variables and use the date to add and subtract within 100.

Mathematical Practices Focus

3. Construct viable arguments and critique the reasoning of others.