Subtracting Whole Numbers
Lesson Plan

Lesson Overview: In this lesson, students subtract whole numbers within 20 using manipulatives and subtraction strategies. TEKS: 1.3B, 1.3D, 1.3E, 1.3F

	Procedures	Facilitation Questions	Advance Preparation
Engage	- Play the video for the class. - Tell the students that they will decompose 20 using 2 numbers and 3 numbers. - Model the process for them. Decompose 20 = 5 + 15, and 20 = 1 + 4 + 15. - Tell students that each answer must be different and unique. - Use the **Engage Activity Sheet** to help students record their results. - Have students share their results with the class and add to their lists as necessary. - Display the **Engage Answer Key** if desired.	- How can you decompose or pull apart 20? - Can you think of 2 numbers that equal 20? - If you know a way to make 20 with two numbers can that help you make 20 with three numbers?	Copies of **Engage Activity Sheet** for each student
Explore	- Arrange students in groups of 4 (2 pairs of students – one pair is Team A and one pair is Team B). - Provide students with the **Explore Activity Sheet**, set of number tiles (**Explore Activity Master – Number Tiles**), double ten frame (**Explore Activity Master – Double Ten Frame**), and counters. - Play the video. - Follow the directions in the **Explore Answer Key** to model the Subtracting Close to Zero game. - Assist students as needed as they complete the activity. - Display the **Explore Answer Key** if desired.	- Why are there two ten frames in the double ten frame? - What addition strategies might help you with subtraction?	- Copies of **Explore Activity Sheet** for each student - Copies of **Explore Activity Master – Number Tiles** and **Explore Activity Master – Double Ten Frame** for each pair of students - Counters such as color tiles for each pair of students
Explain	- Provide students with a Part-Part-Whole mat (**Explain Activity Master**) and counters. - Play the video. - To differentiate for the struggling learner, provide students with the **Mission Support Sheet**. - Facilitate students as needed.	- How can a double help you add? - Can you make a 10 with those numbers? What is left? What do you need to do with what is left? - Can you draw a picture that will help you solve this problem? - Which strategy can you use to help you solve this problem?	- Copies of **Explain Activity Sheet** for each student - Counters such as color tiles - Make copies of the **Mission Support Sheet** for students as needed.
Elaborate	- Provide students with the **Elaborate Activity Sheet**. - Play the video. - Facilitate students as needed. - Display the **Elaborate Answer Key** if desired.	- What can help you add 10 quickly? - Can making a ten or a double help you solve this problem?	- Make a copies of the **Elaborate Activity Sheet** for each student - Access to Math Journals - Make copies of the **Mission Support Sheet** for students as needed.
Evaluate	- Post the **Evaluate Activity Sheet** or make copies for students. - Have students complete the activity in their **Math Journal**.		- Access to Math Journals - If desired make a copy of the **Evaluation Questions** for each student.