Subject/Grade: 4/5 **Lesson Title: Continuation of Multiplication**
Teacher: Jonah Neufeld

Stage 1:

outcomes

N4.3

Demonstrate an understanding of multiplication of whole numbers (limited to numbers less than or equal to 10) by: applying mental mathematics strategies, explaining the results of multiplying by 0 and 1

N4.4

Demonstrate an understanding of multiplication (2- or 3-digit by 1-digit) by:

- using personal strategies for multiplication, with and without concrete materials
- using arrays to represent multiplication
- connecting concrete representations to symbolic representations
- estimating products
- solving problems.

N5.2

Analyze models of, develop strategies for, and carry out multiplication of whole numbers.

indicators

N4.4

c)Create and solve a multiplication problem that is limited to a 2- or 3-digit number times a 1-digit number

Key Understandings: ('I Can' statements)	**Essential Questions:**
• I can use mental math strategies to multiply whole numbers up to 10. • I can use my personal strategies for multiplying 2- or 3-digit numbers by 1-digit, both with and without concrete materials. • I can carry out multiplication of whole numbers using effective strategies.	• How can mental mathematics strategies be effectively applied to demonstrate an understanding of multiplication with whole numbers, particularly those less than or equal to 10? • In what real-world scenarios can the multiplication of 2- or 3-digit numbers by 1-digit be applied, and how does solving problems in practical contexts enhance mathematical comprehension? • How can the development of effective strategies for multiplication enhance problem-solving skills in a variety of mathematical contexts?

Prerequisite Learning:

- General understanding of multiplication
- Understanding of the multiplication tables
- Able to do basic multiplication in your head

Instructional Strategies:

- lots of interactional strategies for students that may be hands-on learners.
- a worksheet is added for students that need to actually write down the answers.

Stage 2: Determine Evidence for Assessing Learning

Observation,
Watch for participation, are students doing the work/ collaborating in groups for success

Formative,
Are students able to complete multiplication questions on the worksheet to the best of their abilities

Stage 3: Build Learning Plan

Set (Engagement): **Length of Time: 12 mins**

Basic recap of multiplication 0-10
short multiplication worksheet to get them thinking

Development: **Time: 20 mins**

In The Jeopardy team game, students are split into three groups where they will then take turns answering questions to gain their team points.

Learning Closure: **Time: 13 mins**

Around the world, students get into a circle around the classroom, we will go clockwise around the room and students will race to see who can answer the question first, the first 2 students to my left start i will ask a question whoever gets it right moves on to the next student and the game continues, if a student is able to get all the way around the circle the game ends.

Materials/Resources:
math worksheet

Management Strategies:

- make sure they know to stay quiet so they aren't giving away answers
- hands on head to regain attention

Safety Considerations:
none

Backwards by Design Lesson Plan Template

Professional Goals Plan

Topic: Multiplication
Date: November 22nd 2023
Teacher: Jonah Neufeld Observer:

1. Professional Goal	2. Steps to Achieve Goal
Make sure students are participating and engaging in activities	keep calm make sure they know that when hands are on my head it's time to listen make sure students always have something to do

3. Data Collection: