LEARNING FOR USE MODEL

OUTCOME: IDENTIFY AND DESCRIBE PROPERTIES OF PRIME AND COMPOSITE NUMBERS.

Motivate	Knowledge Contruction	Knowledge Refinement
Put students into different groups. These groups should be different numbers (example, a group of 7, a group of 6, a group of 10 and a group of 4). Tell them they are going to practice their multiplication why coming up with ways that they can multiply to get the total number of people in their group. Ask students to come up with as many different pairings as they can to find all the factors for their group number. Each group should have 4 have hula-hoops on the groups with a small whiteboard in front of each one. Once students are in the hoops have them record the factor on the whiteboard. Record on the board as they work them out. When they all have one pairing, ask if they can make another one.	- Factor Rainbows. Have students make a factor rainbow for all the numbers up to 20 (they need to put the number in the middle and then they need to write the factors on either side. Connect each set of factors with a different color). - Watch the following video as a class https://youtube.com/watch?v=jpMYfW9XziW - After discussing what prime numbers are have them highlight all factor rainbows that only have two factors (1 and itself) - Next, have them record their predictions for what numbers are prime between 20 and 30.	- Have students complete the tasks on Khan Academy (https://www.khanacademy.org/math/pre-algebra/pre-algebra-factors-multiples/pre-algebra-prime-numbers/v/prime-numbers) - After, have students complete the task below where they have to write their definition of what a prime number is and highlight all the numbers in the table. - After have them complete the exit ticket where they need to reflect on whether their predictions matched the numbers highlighted on the table and how they can check to see if a number is prime or composite.