

Lesson Plan Idea Format

Grade Level & Subject Area: Grade 4 Math

Standards/Framework (State Standards, Content Standards, InTASC Standards)

AR.Math.Content.4.NBT.A.1 Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right For example: Recognize that $700 \div 70 = 10$ or $700 = 10 \times 70$ by applying concepts of place value and division.

Theme/Series of Lessons (if Not applicable, put N/A. If it is part of a series, of lessons, tell me, give a BRIEF description of the overall and tell me where this particular lesson fits): n/a

Time (is this a 1 day 50 minute lesson, 5 day 1 hour lesson, once a week over a month lesson....):

This would be a 2 day 30 minute lesson.

What do the students already know? (This could be the Intro or they have learned information before starting this lesson):

The students already know how to use place value to add, subtract, multiply, and divide.

Objective (What are the students' going to accomplish):

The students are going to understand how to model place value and how place value changes a quantity.

Materials:

Ipad, base 10 blocks, Khan academy lesson about place value and base 10 blocks), google form with questions to answer.

Procedure: On the first day, students will view the Khan Academy video about place value and base 10 blocks. Students will complete the khan academy activity that goes along with the tutorial.

On the second day, students will get into groups of 3-4. Together, they will open the google form, which will have 4 numbers they need to model with base 10 blocks. The students will set up the base 10 blocks correctly and take a picture. Then, they will model an additional way to represent the number with base 10 blocks. They will upload their photos to the google form and explain how both of their models represent the same number (they will have to swap out 1 rod for 10 cubes, etc. this will show that they understand that the 10s place is worth 10x as much as the 1s place, etc.)

Assessment (How will the students' show you that the objective has been met):

(Note: the assessment does not have to be a paper and pencil test)

I will grade their pictures/explanations. They will have a base 10 block problem on the next quiz/exam.

A Brief Description Of The Entire Lesson - Plus Any Additional Information to be Included: Students will view the place value video. Then, they will complete the attached questions. The next day, they will show what they learned by working in a small group to model numbers with base 10 blocks in multiple different ways.

(I should be able to see and understand your entire lesson by reading this. Remember, Technology is not the lesson. It enhances the lesson)