



Thursday 08/25/2022

**Place Value - 4th Grade****Ard - AI Gr1,2Lp1****Arts Standards & Common Core Connections**

**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  $700 \div 70 = 10$  by applying concepts of place value and division.

I can use place value to create a piece of art.

**Vocabulary**

\* Overlap: part of one objects sits on top of another object

**Essential Question****Essential Question:**

How can we compare the place value of each digit in a number through the millions place?

**Depth of Knowledge:**

(DOK 2) - Compare the value of digits in a multi-digit number.

**Lesson / Instruction / Narrative****Intro:**

- \* Welcome!
- \* Review Arts Integration and the expectations for class.
- \* Ask artists to tell you what they know about place value.

**Lesson:**

- \* Introduce artists to Wassily Kandinsky and his painting "Several Circles."
- \* Discuss what "overlap" means and how it adds depth to a piece of art.
- \* Explain to artists that they will be using different sized circles, with overlapping, to create a piece of art. The circles will represent various place values: millions, hundred thousands, ten thousands, thousands, hundreds, tens, and ones.
- \* Artists should label each circle with A-G to help in the next step.
- \* After artists have drawn their art, have them write the value of their art on the provided rectangle sheet of paper. For example, if their circles represent the number 1,134,586, then they are to write that number on the rectangle.
- \* Once this has been complete, allow artists to use the metallic watercolors to paint their art.

**Closing:**

- \* Do a gallery walk.
- \* How does your art represent place value?
- \* Did you enjoy the metallic watercolors?

**Formative Assessments****Oral Discussions**

Students participating in conversations, Think-Pair Share, or conferences in groups or one to one with a peer or teacher.

**Visual Representations**

Images and words to represent concepts and organize information through means such as Visual Journaling, Graphic Organizers, Mind Maps, or Infographics.

**Instructional Strategies**

- S** Check for Understanding
- S** Monitor Progress

**Materials / Resources / Technology**

- \* messy mats
- \* watercolor paper
- \* Sharpies
- \* paint brushes



- \* water cups
- \* water
- \* bucket for dumping dirty water
- \* paper towels
- \* baby wipes
- \* metallic watercolors
- \* container for dirty paint brushes
- \* Music: acoustic guitar

**Differentiation / Modifications**

Artists will be allowed to work at their own pace. Teacher will assist as needed.