Acquisition Lesson Plan

Plan for the Concept, Topic, or Skill --- Not for the Day

Name: Laura lane

Topic: Combinations of Coins

Essential Question:

How do inquiry, imagination and innovation drive change?

What do students need to learn to be able to answer the Essential Question?

Assessment Prompt: What if I only had dimes, how much would I have?

Assessment Prompt: What is happening to the first number as you add more dimes? *Students may use language of tens, but that is not necessary at this point. This is a great precursor to base ten notation and place value.

Assessment Prompt: What algorithm(rule) is in your machine?

Activating Strategy:

Review counting by 10. Partner activity.

Counting by 10 video. https://youtu.be/yQSdKlNvrmw

Use 100 chart so students can follow the chart as they count by tens.

In addition, use dimes to count to 100. Place coins on the 100 chart.

Key vocabulary to preview:

Count up, dime, combine, add

Teaching Strategies:

Graphic Organizer:

Hundred chart

Instruction:

AP #1:

Use 100 charts to investigate the number of dimes that relates to an amount of money. Students may also relate the number of coins to an amount. Use cents and cent symbol.

Teacher models one example, but does not hint to what is happening with the numerals. Just record.

Supporting questions for inquiry:

When you get to a ten on the number chart, how many dimes have you used?

What do you notice about the number on the hundred chart and the number of dimes you have?

AP #2:

Students develop the algorithm for adding tens as it relates to counting on or back. They can demonstrate the algorithm by using words or circling key information.

Supporting questions for inquiry:

What is happening to the numerals as you add more/less dimes?

Can you describe what is happening to the numerals?

Is that true every time?

AP #3:

Students use a machine to demonstrate their understanding of the algorithm. Use basic coding language to produce a prize.

Teacher demonstrates

Assignment:

Students create their own machine with their own code. They may use combinations of pennies, dimes, or quarters.

Summarizing Strategy:

What connections can you make between today's lesson and the essential question.