3ʳᵈ Grade Unit 4:
Place Value & Addition and Subtraction up to 10,000

Overview:

In this unit, students extend their understanding of the base-ten system to include numbers to 10,000. Students use their understanding of place value to compare four-digit numbers, round whole numbers up to 1,000 to the nearest 10 or 100, fluently add and subtract within 1,000 while expanding the application of part-whole strategies, properties of operations and place value to add and subtract within 10,000. Students represent problems using equations with unknowns in all positions and assess the reasonableness of their answers.

Learning Targets:

In Unit 4, students will:

- extend their understanding of the base-ten system to include numbers to 10,000.
- use understanding of place value to compare four-digit numbers.
- round whole numbers up to 1,000 to the nearest 10 or 100
- fluently add and subtract within 1,000
- apply part-whole strategies, properties of operations and place value understanding to add and subtract within 10,000.

Key Vocabulary: (linked to GA DOE Interactive Glossary)

Addend	Algorithm	Benchmark Number	Compose	Decompose
Difference	Equation	Estimate	Expression	Expanded Form
Greater Than	Liquid Volume	Mass	Midpoint	Minuend
Ounces	Pounds	Regroup	Round	Sum

Supporting Resources:

http://ctlslearn.cobbk12.org/

https://gavirtual.instructure.com/courses/34724#modules

https://studyjams.scholastic.com/studyjams/jams/math/addition-subtraction/estimate-sums-diffs.htm

https://www.didax.com/apps/base-ten-blocks/

https://phet.colorado.edu/en/simulations/make-a-ten

https://www.geogebra.org/m/ycnxykty

MATHEMATICS