DESK

Fifth Grade Math

Essential skills and knowledge for this Davis School District course

Davis Essential Skills & Knowledge

The DESK includes both content standards which provide a clear progression of grade level math content and practice standards which provide a framework for putting that content into practice. The content and practice standards must be integrated in order to have successful math instruction. The content standards allow Davis students to gain necessary mathematical knowledge and skills. The mathematical practices are the foundation for mathematical thinking and practice. Both are embedded in everyday mathematics instruction so students can make sense of and apply the math they are learning.

Mathematical Practices

a. Make sense of problems and persevere in solving them
b. Reason abstractly and quantitatively
c. Construct viable arguments and critique the reasoning of others
d. Model with mathematics
e. Use appropriate tools strategically
f. Attend to precision
g. Look for and make use of structure
h. Look for and express regularity in repeated reasoning

Number and Operations in Base Ten:

a. Understand the place value system (decimals to thousandths)
b. Perform operations with multi-digit whole numbers and with decimals to hundredths

Operations and Algebraic Thinking:

a. Write and interpret numerical expressions
b. Analyze patterns and relationships

Number and Operations – Fractions:

a. Use equivalent fractions as a strategy to add and subtract fractions
b. Apply and extend previous understandings of multiplication and division to multiply and divide fractions

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Measurement and Data:

a. Convert like measurement units within a given measurement system
b. Represent and interpret data
c. Understand concepts of geometric measurement and volume, as well as how multiplication and addition relate to volume

Geometry:

a. Graph points on the coordinate plane to solve real-world and mathematical problems in quadrant one
b. Classify two-dimensional figures into categories based on their properties