

Essential skills and knowledge for this Davis School District course

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

Operations and Algebraic Thinking:

- a. Represent and solve problems involving addition and subtraction within 20
- b. Understand, use, and apply place value understanding and properties of operations and the relationship between addition and subtraction to add and subtract
- c. Work with addition and subtraction equations within 20

Number and Operations in Base Ten:

- a. Extend the counting sequence to 120
- b. Understand two-digit place value

Measurement and Data:

- a. Measure lengths indirectly and by iterating length units
- b. Tell and write time to the half hour
- c. Represent and interpret data
- d. Identify the value of coins

Geometry:

- a. Reason with shapes and their attributes