



San Diego Unified School District

Instructional Module to Enhance the Teaching of

HARCOURT

Math

California Edition

Grade K

Module 9-Modified

Measurement

WORK IN PROGRESS

Module 9 – MEASUREMENT
Modules represent individual units of study that lead to essential learnings

THREADS THROUGHOUT THE YEAR:

The threads represent ongoing learning opportunities in which students should be actively engaged throughout all units of inquiry during the school year. These should not be isolated to any one particular unit of inquiry.

Students will be provided opportunities to:

- Develop understanding of numbers and the number system and use their understanding to solve problems and recognize reasonable results.
- Use mathematical reasoning to solve problems.
- Communicate their mathematical thinking by using words, numbers, symbols, graphs and charts, and describe different representations
- Express generalizations of patterns and relationships.
- Make connections among mathematical ideas and between other disciplines.
- Develop and use strategies, skills, and concepts to solve problems.
- Use appropriate tools as vehicles to learn mathematical concepts.

These are essential learnings that represent bigger ideas/concepts:

- Students understand that objects have properties, such as length, weight and capacity.
- Students compare the measurement of length with non-standard units of length; weight with non-standard units of weight; capacity non-standard units of capacity.
- Students understand how measurement tools work so that they can be used correctly and meaningfully.
- Students realize that measurement involves the comparison of an attribute of one object with another object with the same attribute.
- Students compare weight, length and capacity by making direct comparisons with reference objects.

These are essential questions that learners ask themselves in order to achieve the essential learnings:

- How can I compare the properties of an object (i.e., length, weight, capacity) to another object with like properties?
- How do I use appropriate tools/units/attributes needed to measure?
- How can I measure consistently?
- How can I use objects to help me measure length?

Resources: Van de Walle, Chapter 19, pp. 316-320

Module 9
Measurement
 13 Days

Module 9 Measurement 13 Days	Chapter 9 <ul style="list-style-type: none"> • Lesson 9.1 Longer and Shorter • Lesson 9.2 Longer and Shorter • Lesson 9.4 Measurement Using Non-Standard Units • Chapter 9 Measuring Length • Chapter 9 Comparing Length • Chapter 9 Measuring Length With Different Units • Chapter 9 Capacity • Lesson 9.6 Compare Capacity • Chapter 9 Measuring Capacity With Different Units • Lesson 9.7 Compare Weight • Literature Connection • Assessment
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Day 1 Unit 5 Lesson 9.1 Longer and Shorter	Day 2 Unit 5 Lesson 9.2 Longer and Shorter	Day 3 Unit 5 Lesson 9.4 Measurement Using Non-Standard Units	Day 4 Unit 5 Chapter 9 Measuring Length	Day 5 Unit 5 Chapter 9 Comparing Length
Day 6 Unit 5 Chapter 9 Measuring Length With Different Units	Day 7 Unit 5 Chapter 9 Capacity	Day 8 Unit 5 Lesson 9.6 Compare Capacity	Day 9 Unit 5 Chapter 9 Measuring Capacity With Different Units	Day 10 Unit 5 Lesson 9.7 Compare Weight
Day 11 Unit 5 Chapter 9 Literature Connection	Day 12 Unit 5 Chapter 9 Assessment	Day 13 Unit 5 Chapter 9 Assessment		