Unit 11 Summary

Time Frame: 15 days

In Unit 11 the children will be introduced to measurement, and learn to correctly use a variety of nonstandard units of measure to measure the length and height of several classroom objects. They will discuss the concept of shorter and longer, and practice ordering objects by length. They will also learn about surface area and experiment with inclines.

Other concepts introduced in Unit 11 include fractions as parts of a whole object or set, symmetry, and capacity. The children will learn to estimate weight, and to weigh objects.

Essential Questions

(MACC.K.MD.A.1) What can we measure?

(MACC.K.CC.A.2) How can we count on from a given number?

(Starfall.Math.MD.1.2) How can we use measurement to describe and compare objects?

(Starfall.Math.E.1) How do we estimate the amount of objects and compare them to the actual amount?

(Starfall.Math.E.2) Why is making predictions important?

(Starfall.Math.F.1) How can we show equal parts or halves?

Enduring Understandings

Estimation is a very important math skill that relates to all areas of math.

We can use different units of measure to compare objects in the classroom.

It is important to use the same size unit of measure when comparing objects.

We can measure length, height and area.

Making predictions is an important way to apply prior knowledge.

Vocabulary

The children will be introduced to these vocabulary words. Mastery is not expected at this time.

Area	Height	Perimeter
Capacity	Length	Ramp
Denominator	Measure	Unit
Divide	Middle	Whole
Estimate	Numerator	
Fractions	One-half	
Half	Parts	

Recommended Literature

How Big is a Foot? by Rolf Myller

How Many Bugs in a Box? by David A. Carter

Is a Blue Whale the Biggest Thing There Is? by Robert Wells

Me and the Measure of Things by Joan Sweeney

Mighty Maddie by Stuart J. Murphy

Super Sand Castle Saturday by Stuart J. Murphy

What's Up With That Cup? by Sheila Keenan

Who Sank the Boat? by Pamela Allen