**Unit 5: Non-Standard Measurement**



1st grade Math

***Unit Summary :***

During this unit, students will develop an understanding of measurement. They will explore measuring the length, height and width of objects and compare the lengths of objects when you can put them side by side or using another object to compare the lengths of two objects. The students will use non-standard units such as paper clips, connecting cubes or color tiles to measure the length of an object and then compare up to 3 objects to place them in order.

***Essential Skills:***

* Measure length, height and width with non-standard units.
* Recognize when an object is longer or shorter than another object.
* Compare and organize three objects by length in order from shortest to longest.
* Explain how to use a shorter object to measure the length of a longer object
* Explain why it is important to avoid gaps and overlaps.
* Represent the length of the longer object with a whole number.

***Unit Vocabulary :***

compare crooked

different fold

half height

length longer

longest measure

non-standard order

same shorter

shortest straight

taller tallest

tool unit

***Additional Resources :***

*Online activities for practice:*

* *Clifford’s Measuring Up :* [*http://pbskids.org/clifford/games/measuring\_up.html*](http://pbskids.org/clifford/games/measuring_up.html)
* *Curious George’s How Tall? :* [*http://pbskids.org/curiousgeorge/games/how\_tall/how\_tall.html*](http://pbskids.org/curiousgeorge/games/how_tall/how_tall.html)

*Books to read :*

* *Measuring Penny* by Loreen Leedy
* *How Big is a Foot?* by Rolf Myller
* *The Best Bug Parade* by Stuart Murphy

***Activities to try at home :***

* Have your child measure the length of an object by using

 nonstandard units (paper clips, toothpicks, cereal, candy…)

 and help them to understand that the measurement is the

 total number of nonstandard units that are placed along the

 length so that they are touching, leaving no gaps or

 overlaps.

* Compare the lengths of three household objects such as

 crayons, pencils and markers.

* Compare the lengths of two objects indirectly by using a

 third object (Object 1 is longer than Object 2 and is longer

 than Object 3 so Object 1 is also longer than Object 3).