

## How Tall Is It?

**Introduction:** During their first grade year, students are expected to use non standard (paper clips, hands, pencils) units of measurement while measuring different items. The students will measure different items in this activity while getting a chance to move around. They will enjoy this chance to get outside and learn while having fun!

**Grade Level and Subject:** 1st Grade Science and P.E.

**TEKS:** Science – 4C  
P.E. – 1A, 1B, 3A, 7A, 7B, 7C

**Materials:** Paper clips, pencils, measurement paper (a sample sheet is provide on the next page, or you may design your own sheet for the students to use)

**Activity:** After measuring different items in the classroom with paper clips, pencils, and hands, the students will get a chance to measure things outside.

Before the activity begins, the teacher will need to choose 4-5 items on the playground that will be short enough for the students to measure without having to climb anything (for safety purposes). Some examples include a fence, a tree or shrub, a type of playground equipment, etc. Once these items have been found, the teacher will want to set up a “measuring station” beside the items. At the measuring station, the teacher will place a box of paper clips and a box of pencils, which will be used as measuring tools during the activity. The pencils will also be used by the children as they write on their measuring sheet. The activity is ready to begin.

The teacher will take the students outside and place them in 4-5 different groups (the number of groups should correspond with the number of “measuring stations”). Each student will have his or her measuring sheet. When the teacher gives the starting signal, the students are to move to a measuring station. The teacher will tell each group which station to move to. He or she will also tell the students which locomotive skill to use while moving to the stations. Examples of locomotive skills include walking, running, hopping, skipping, jumping, galloping, etc. The students will not have pencils in their hands as they move to the new stations because pencils are provided at each station to measure and write with. Once the members of each group get to their designated station, they may begin measuring the item. They need to measure it with pencils, paper clips, and their hands. After enough time has been given for all groups to measure their item with the different measuring tools, the teacher will give a signal and describe a different locomotive skill to the students. They will move to the next station while using the locomotive skill that the teacher described. Again, once they get to the appropriate station, the students are to measure the item using paper clips, pencils, and their hands. The answers should be written on the sheet provided by the teacher. The activity will continue until all of the groups have measured all of the designated items on the playground.

**Evaluation:** The teacher is responsible for ensuring that all students move to their designated stations safely (no pencils in hands). The students should also be performing the correct locomotive skill while moving from one station to another.



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Directions: Measure the item, and write your answers in the blanks below.

	<b>Pencils</b>	<b>Paper Clips</b>	<b>Hands</b>
Station 1	_____	_____	_____
Station 2	_____	_____	_____
Station 3	_____	_____	_____
Station 4	_____	_____	_____
Station 5	_____	_____	_____



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