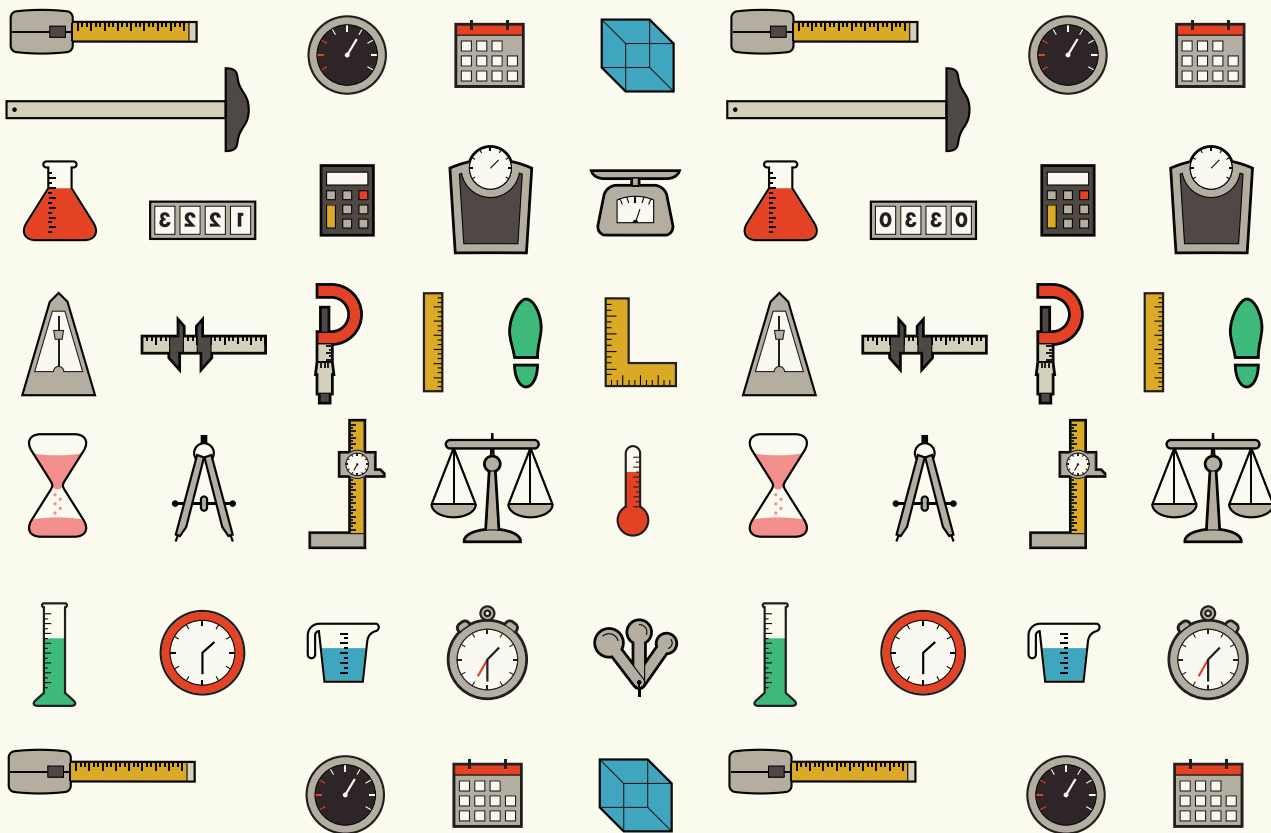


AN ORIGINAL EXHIBIT CREATED BY THE CHILDREN'S MUSEUM OF PITTSBURGH

MEASUREMENT

RULES





To measure is to discover how

tall or short 

heavy or light 

full, fast or slow 

something is. In this exhibit you will use measurement to describe, compare, classify and categorize the world around you and yourself.

Sometimes units are standard, like using inches to measure length or volume. Sometimes units are non-standard, like using apples to measure your height or measuring your weight in chickens!

Explore this exhibit and become confident in the language of measurement through length, weight, volume, and time.



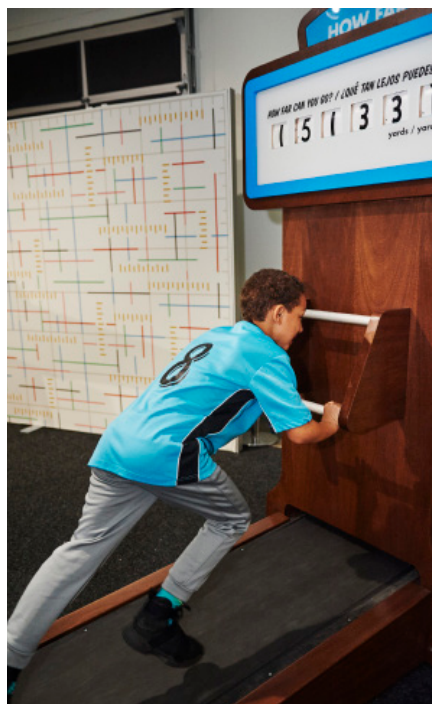
Height Wall

Stand against the wall and move the slider to mark your height in inches, pennies, apples and more. Compare your height in big objects and small objects. Use your foot as a measuring tool and find out how many of your own feet tall you are.



Ball Gauges

Measure balls of different sizes using tools such as rulers, calipers and gauges. Sort the balls into the shoots to test your measurements. Can you identify what each tool measures?



Treadmill Odometer

Walk on the treadmill and count how many yards you can go. An odometer is a tool used to measure distance.

This odometer measures distance in yards.

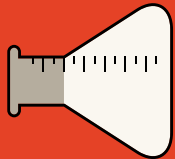


Giant Tape Measure

Use the measuring tape to measure the length of each sea creature.

Which is the longest?
Which is the shortest?

DID YOU KNOW
THERE ARE 1,760 YARDS IN ONE MILE



VOLUME



Bead Table

Use measuring cups to pour beads in the different containers. Notice how the beads fill the shapes. How many cups does it take to fill a container?



DID YOU KNOW
IT TAKES 16 CUPS TO MAKE ONE GALLON



Block Table

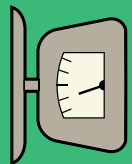
Use the cubic blocks to build animals. Guess how many one inch blocks you use to build your animal and then count to see if your guess was right. The number of one inch blocks used equals the animal's volume.

See Your Volume

Stand in front of the screen to see how many cubes it takes to build you.

Figure out how to make your volume appear to be bigger or smaller.





WEIGHT



Chicken Scale

Step on the scale to see your weight in chickens. How many chickens does your friend weigh? Try to figure out how much a chicken weighs as this unit of measurement?

Balance Scale

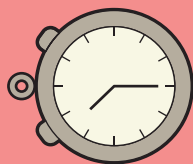
Use the large balance scale and standard weights to experiment as you try to balance the beam.

Try weighing different objects to see which is the heaviest and which is the lightest.



**DID YOU KNOW
THE AVERAGE CHICKEN
WEIGHS 6 POUNDS**





TIME



Ball Stopwatch

Create a path for a ball, drop the ball in the hole at the top and track how long it takes to reach the bottom.

Change the path to make the ball go as slow or as fast as you want.

DID YOU KNOW
THERE ARE 86,400 SECONDS IN ONE DAY



Five Mississippi

People often say that it takes one second to say the word Mississippi. Test your internal clock and find out how long it takes you to count Mississippi five times?

See how close you can get to five actual seconds.





SPECIFICATIONS

COST

***\$30,000 PER 15-WEEK RENTAL
PLUS INBOUND SHIPPING***

SIZE

1,500 - 2,000 SQUARE FEET

CONTENT

STEM AND INQUIRY-BASED LEARNING

CONTACT

RACHEL MASTROMARINO

(412)322-5058 EXT 229

RMASTROMARINO@PITTSBURGHKIDS.ORG



