

On Track Learning

Seat Belt Fabric

Lab procedure:

1. Set up a 20" 1 x 4 piece of wood. Move two desks close enough and place the piece of wood so an end is on each desk. The fabric will be clamped onto this piece of wood.
2. Describe each type of fabric and record your results in the chart below. Measure the length of the fabric strips and also record those results. Ensure each strip is precisely 18 inches long.
3. Predict what you think will happen to the different fabrics during the measuring process:
4. Loop the fabric through the handle of the half-gallon container of water. Clamp the ends of the fabric onto the piece of wood.
5. Use the string to measure the stretched fabric. Before removing the clamps and the container of water, take the piece of string and mark the length of the fabric on the string. Use the yardstick to measure that length. Record your results below.
6. Using the second strip of fabric and the gallon container of water, repeat the steps. Record your results.
7. Repeat this procedure with the two remaining types of fabric.

	Fabric 1	Fabric 2	Fabric 3
Description			
Initial measurement			
Half-gallon measurement			
Gallon measurement			