

For your projects, the force sensors must:

1. Be easily attached and removed
2. Allow you to calculate the work done to or by the sensor

$$\text{Work} = \text{Force} \times \text{Displacement}$$

(done to or
by sensor)

(applied to
or by the
sensor)

(of the sensor)

in a specific
direction

in the same
direction as
the force

work is
being done
ID sensor

← pushes one
way

moves backwards

work is
being done BY
sensor

← pushes one
way

moves forwards

INDIVIDUALLY
Using a rolled up piece of paper, complete the following table:

	Force on sensor	Displacement	WORK = $F \cdot d$
1			
2			
3			
4			
5			
averages			