Reaction Time HUMAN BODY	Science 8NameApril 2020Mrs. Plyter	plyter.com/science
MEASURE YOUR Seconds REACTION	MEASURE YOUR Seconds REACTION	MEASURE YOUR Seconds REACTION
1. Have someone	1. Have someone hold this with	1. Have someone
your fingers0.19 lined up at the start \leftarrow ,	your fingers 0.19 lined up at the start \leftarrow , and drop it	your fingers0.19 lined up at the start \leftarrow ,
without 0.18 warning you. 2. When you	without 0.18 warning you.	without 0.18 warning you. 2. When you
nerve signal travels from	move, a 0.17 nerve signal travels from	see the paper 0.17 move, a nerve signal travels from
your eye to <u>0.16</u> your brain and then to your finger	your brain 0.16 and then to your finger	your eye to 0.16 your brain and then to your finger
muscles. 0.15 Your finger muscles move to 0.14	Your finger muscles move to 0.15	Your finger muscles move to 0.14
catch the ruler. 3. Measure: 0.13	3. Measure: 0.13	catch the ruler. 3. Measure: 0.13
The distance the reaction timer travels 0.12 before you	the reaction timer travels 0.12 before you	the distance the reaction timer travels before you
catch it has 0.11 been converted to time in 0.10	been 0.11 converted to time in 0.10	catch it has 0.11 been converted to time in 0.10
seconds using the equation 0.09 $D = \frac{1}{2} at^2$ where a is 0.08	the equation $D = \frac{1}{2} at^2$ where a is 0.08	seconds using the equation 0.09 $D = \frac{1}{2} at^2$ where a is 0.08
the acceleration due to0.06	the acceleration due to 0.06 gravity.	the acceleration due to <u>0.06</u>
0.04	0.04	start here
	SCIENCE Weight	

0.20

0.18

0.16

0.15

0.14

0.10

0.06