

# BACKYARD BRAINS

**Knee Jerk Handout:** this is a form so you can collect data for your Knee-Jerk EMG experiment. Write below your Name, Gender and Age

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1. Simple Experiment - Measuring Time width and Amplitude of Reflex			2. Advanced Experiment - Measuring Reflex Time with Modified Reflex Hammer and Backyard Brains Expansion Board
Reflex	Time (ms)	Amplitude	Time (ms)
Measurement 1			
Measurement 2			
Measurement 3			
Measurement 4			
Measurement 5			
<b>Average</b>			
<b>Standard Deviation</b>			

**Note:** You can calculate your Reaction Time too! And compare with with your Reflex Time. Calculate the Reaction Time with our Reaction Timer or also using simple rulers. You can also try to “kick” in response to the knee tap, see if you can separate out the reflex versus the reaction!

3. Type of Reaction Time Test Used

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Reaction Time	Time (ms)
Measurement 1	
Measurement 2	
Measurement 3	
Measurement 4	
Measurement 5	
<b>Average</b>	
<b>Standard Deviation</b>	