

May the Force Be with You!

GRADES 6-8

Elaborate

What variables do you need to control?

	Speed (measured by radar) m/s	Time of travel (From video) s	Acceleration (Calculated (SI-SF)/time) m/s ²	Mass kg	Force F=MA N (newtons)
Forehand					
Forehand					
Overhead Serve					
Overhead Serve					

Evaluate

How does a change in force affect a change in motion? Support your answer with evidence from the experiment.