

April Tomkinson
8th Grade Science, J-E-T Middle School
“Investigating Forces and Motion”
TVG Summary 2025-2026

Through this “Investigating Forces and Motion” project, my students were able to do hands-on investigations to see how changes in mass affect the motion of an object. Students worked in collaborative groups to alter the mass of a car and record how long it took to travel down a ramp.



After analyzing the data, students were better able to understand Newton’s 2nd law of motion. The more mass an object has, the more force required to make a change in that object’s motion. Through this hands-on activity, students were able to make connections that helped them understand how mass affects motion, and it provided a means for them to distinguish Newton’s 2nd Law of Motion from the others.

Thank you for supporting hands-on learning in my science classroom!!