Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Assignment Sheet 8th Grade Week of April 6, 2016

Objective: Today I am describing force and the different types of motions associated with forces. I will also calculate its speed (distance/time). I will also Interpret a line graph representing an object’s motion in terms of distance over time (speed) using metric units.

\_\_\_\_\_\_\_Display board complete with all components for Science Fair/ Place board in the library.

\_\_\_\_\_\_\_ view terminal velocity video (record reaction below) http://www.bing.com/videos/search?q=terminal+velocity+video&&view=detail&mid=CCC9CEA8D69AEB10BE0ECCC9CEA8D69AEB10BE0E&FORM=VRDGAR

\_\_\_\_\_\_ Notes: PowerPoint Types of Forces and Motion

<http://www.powershow.com/view4/5a88c8-YjNhM/Types_of_Forces_powerpoint_ppt_presentation>

\_\_\_\_\_It’s in the Cards: net force, force, Newton’s Laws of motion, Acceleration, Gravity, Inertia

Friction, Law of Gravitation, Balanced Force, unbalanced force

\_\_\_\_\_ Video: Calculating Net Force (Summarize video)

<https://www.youtube.com/watch?feature=player_detailpage&v=zw0gt2qjmBo>



\_\_\_\_\_\_\_Interactive Force Game: (Reaction/Soore:\_\_\_\_\_)

<http://phet.colorado.edu/sims/html/forces-and-motion-basics/latest/forces-and-motion-basics_en.html>

<http://www.scholastic.com/teachers/activity/force-and-motion-6-studyjams-interactive-science-activities>

\_\_\_\_\_\_Calculating net force worksheet

\_\_\_\_\_\_Video: First Black Female Race Car Driver <https://www.youtube.com/watch?v=piOXfHvDVd0&feature=player_embedded>

\_\_\_\_\_\_PowerPoint: Speed

\_\_\_\_\_\_Worksheet: Speed

\_\_\_\_\_\_Lab: Calculating Speed

\_\_\_\_\_\_PowerPoint Distance and Time Graph Notes

\_\_\_\_\_\_Video Summary: Distance and Time Graphs <https://www.youtube.com/watch?feature=player_embedded&v=pNbsvnUdqCo>



\_\_\_\_\_\_\_Distance and Time Graph worksheet

\_\_\_\_\_\_\_ Interactive Distance and Time Graphs (summarize what you learned and show results to the teacher

<http://www.mathwarehouse.com/graphs/distance-time-graph-activity.php>

<https://www.tes.com/teaching-resource/distance-time-graph-interactive-6060551>

<http://www.absorblearning.com/advancedphysics/demo/units/010103.html>

<http://www.absorblearning.com/media/attachment.action?quick=wo&att=2341>

