

CHAPTER OVERVIEW

8: Force and Motion

In this chapter we take a different approach. We focus on the *details* of what happens during interactions, not just at net changes that occur as a result of interactions. We explicitly look at the *time-dependence* of the change of various parameters. We have already spent considerable time in the last two chapters learning how to work with forces to determine work and impulse and both translational and rotational motion. Here, we augment this knowledge to develop an approach to predict the detailed time dependence of motion from a knowledge of the net force and vice versa.

Topic hierarchy

[8.0: Overview](#)

[8.1: Graphing Motion](#)

[8.2: Kinematics](#)

[8.3: Wrap-Up](#)

This page titled [8: Force and Motion](#) is shared under a [CC BY 4.0](#) license and was authored, remixed, and/or curated by [Dina Zhabinskaya](#).