

Download 7 Study Guide Forces Motion Two Dimensions

Sir Isaac Newton described the motion of all objects using the concepts of inertia and force, and in doing so he found they obey certain conservation laws. In 1687, Newton published his thesis *Philosophiæ Naturalis Principia Mathematica*. In this work Newton set out three laws of motion that to this day are the way forces are described in physics. After watching this lesson, you'll be able to explain the difference between translational and rotational motion, explain how translational quantities are replaced by rotational ones in physics ... In Unit 2 we studied the use of Newton's second law and free-body diagrams to determine the net force and acceleration of objects. In that unit, the forces acting upon objects were always directed in one dimension. There may have been both horizontal and vertical forces acting upon objects; yet there were never individual forces that were directed both horizontally and vertically. The Praxis® Study Companion 2 Welcome to the Praxis® Study Companion Welcome to The Praxis® Study Companion Prepare to Show What You Know You have been working to acquire the knowledge and skills you need for your teaching career.