

Career Exploration

A2. identify and describe careers related to the fields of science under study,

Dynamics

B1. analyse technological devices that apply the principles of the dynamics of motion,

B2. investigate, in qualitative and quantitative terms, forces involved in uniform circular motion and motion in a plane, and solve related problems;

B3. demonstrate an understanding of the forces involved in uniform circular motion and motion in a plane.

Energy and Momentum

c1. analyse, and propose ways to improve, technologies or procedures that apply principles related to energy and momentum,

c2. investigate, in qualitative and quantitative terms, through laboratory inquiry or computer simulation, the relationship between the laws of conservation of energy and conservation of momentum, and solve related problems;

c3. demonstrate an understanding of work, energy, momentum, and the laws of conservation of energy and conservation of momentum, in one and two dimensions.