

Long Term Behaviors

Students:

1. Can recognize real-world problems that can be solved using the principles of dynamics.
2. Can apply the basic principles of dynamics to solve simple, real-world problems.
3. Develop critical thinking skills, and consequently, are less intimidated by complex problems.
4. Can readily distinguish between problems in kinematics and problems in kinetics.
5. Can readily distinguish between problems requiring the use of Newton's laws, the principles of Work and Energy and Conservation of Energy, and the principle of Impulse and Momentum.
6. Are freely conversant in both the English and international systems of units.
7. Understand the conceptual difference between a physical system and a mathematical model of that system.