

Benchmarks for Physics

With 70% accuracy the following will take place

1. Students will demonstrate that Newton's laws predict the motion of most objects.
2. Students will demonstrate that the laws of conservation of energy and momentum provide a way to predict and describe the movement of objects.
3. Students will demonstrate that energy cannot be created or destroyed, although in many processes energy is transferred to other forms of energy.
4. Students will demonstrate that waves have characteristic properties that do not depend on the type of wave.
5. Students will demonstrate that electric and magnetic phenomena are related and have many practical applications.
6. Students will demonstrate that scientific progress is made by asking meaningful questions and conducting careful investigations (lab experiments).