

- PS 1 Students will understand that objects and systems have properties such as mass and charge. Systems may have internal structure. ([AP Course Description](#))
- PS 2 Students will learn that fields existing in space can be used to explain interactions. ([AP Course Description](#))
- PS 3 Students will understand the interactions of an object with other objects can be described by forces. ([AP Course Description](#))
- PS 4 Students will learn how interactions between systems can result in changes in those systems. ([AP Course Description](#))
- PS 5 Students will learn how changes that occur as a result of interactions are constrained by conservation laws. ([AP Course Description](#))
- PS 6 Students will learn that waves can transfer energy and momentum from one location to another without the permanent transfer of mass and serve as a mathematical model for the description of other phenomena. ([AP Course Description](#))
- PS 7 The mathematics of probability can be used to describe the behavior of complex systems and to interpret the behavior of quantum mechanical systems ([AP Course Description](#))