



World Vision Academy

AP Physics 1 Course

The Big Ideas and Course Outline:

Big Idea 1: *Objects and systems have properties such as mass and charge. Systems may have internal structure.*

Big Idea 2: *Fields existing in space can be used to explain interactions.*

Big Idea 3: *The interactions of an object with other objects can be described by forces.*

Big Idea 4: *Interactions between systems can result in changes in those systems.*

Big Idea 5: *Changes that occur as a result of interactions are constrained by conservation laws.*

Big Idea 6: *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.*