

Physics is a science which attempts to understand the universe around us; past, present and future. It is the intent of this course to equip the high school physics students with a conceptual base of physical knowledge. From this base they can predict, control, calculate, measure, and observe their interactions with the physical world around them. This conceptual base will also foster their critical and analytical thinking for use throughout their lifetime. This course will emphasize learning the fundamental principles of nature from which concepts can be derived. The philosophy of this course is based around providing the student with an inquiry-based foundation in physics which will help prepare students to interact with and understand the world around them. The basic laws and rules of physics, if understood, are what students can use for the rest of their lives by applying them in real life situations. It is the goal of this course to facilitate students' understanding of these rules.