

## Physical Science Syllabus

**School:** Middleton Academy

### **Course Description:**

This course is designed as an interactive, 21st century course focusing on basic physics and chemistry. Topics include forces and motion, energy through waves, electricity and magnetism, the matter around us, chemical bonding and reactions. This course is designed to serve as a foundation for the study of the physical sciences. The utilization of scientific inquiry, web 2.0 tools, interactive experiences, higher order thinking, collaborative projects, real world application through labs and a variety of assessments all aid the student in ultimately demonstrating a vast understanding of the importance of the physical and chemical properties of the world around them; enabling them to apply these properties to their everyday lives.

Access the site link below to view the course description from the Florida Course Code directory:

<http://www.floridastandards.org/Courses/PublicPreviewCourse102.aspx>

### **Course Prerequisites:**

None

### **Estimated Completion Time:**

2 segments/32-36 weeks

### **Course Assessment and Participation Requirements:**

To achieve success, students are expected to submit work in each course weekly. Students can learn at their own pace; however, “any pace” still means that students must make progress in the course every week. To measure learning, students complete self-checks, practice lessons, multiple choice questions, projects, discussion-based assessments, and discussions. Students are expected to maintain regular contact with teachers; the minimum requirement is monthly. When teachers, students, and parents work together, students are successful.

### **Materials:**

- Students should have access to a computer.
- Students should have internet access. Continuous broadband Internet access is recommended.
- The ability/permission to install plug-ins or software (e.g., Adobe Reader or Flash) is recommended.
- The ability to download and save files and documents to a computer is recommended.