



## PHYSICS COURSE SYLLABUS Frederick Douglass High School

Teacher(s): Mr. K. Suggs, Ph.D.	
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Semester: Spring 2018	Tutorial Days: Wednesday
Textbook: Conceptual Physics	Tutorial Hours: 3:15 – 3:45
Textbook Price: \$ 55.97	Tutorial Location: Room 373

**Department Philosophy:** To increase scientific awareness and academic proficiency through appropriate scholastic rigor in order to prepare our students to compete in a global society.

**Course Description:** The Physics curriculum is designed to continue student investigations of the physical sciences that began in grades K-8 and provide students the necessary skills to be proficient in physics. This curriculum includes more abstract concepts such as interactions of matter and energy, velocity, acceleration, force, energy, momentum, and charge. Students investigate physics concepts through experience in laboratories and field work using the processes of inquiry.

**Course Prerequisites:** Course Prerequisites: Students must successfully have completed Algebra, Geometry and Chemistry courses at High School.

**GPS Standards:** See <http://www.georgiastandards.org/science.aspx>

**Course Outline:**

Week 1:	Motion introduction	Week 10:	Radioactivity
Week 2:	Scalars vs. Vectors	Week 11:	Properties of waves including reflection & refraction
Week 3:	Newton's Laws of motion	Week 12:	Electromagnetic radiation vs. mechanical waves
Week 4:	Newton's Laws of motion	Week 13:	Quantum theory
Week 5:	Gravitational forces	Week 14:	Particle & wave duality of light
Week 6:	Centripetal forces	Week 15:	Time, Space, Mass relationships
Week 7:	Work and Energy	Week 16:	Electricity and electrical energy conversions
Week 8:	Momentum and collisions	Week 17:	Direct current circuits: series vs. parallel
Week 9:	Internal energy, temperature & power	Week 18:	Electricity & magnetism

**Grading Scale\***

Area	Percentage
Class work / Daily Work/Homework/ Quiz	15 %
Labs	20 %

# Physical Science 2liberty Course Syllabus

**LL Leslie**



## **Physical Science 2liberty Course Syllabus:**

## Reviewing **Physical Science 2liberty Course Syllabus**: Unlocking the Spellbinding Force of Linguistics

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## Physical Science 2liberty Course Syllabus Introduction

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web nov 14 2023 whale any of the larger species of aquatic mammals belonging to the order cetacea whales are the heaviest known animals living or fossil reaching a maximum size in the blue whale of perhaps more than 30 meters and 200 metric tons they are distributed throughout the world s oceans and seas

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web there are 15 baleen whales 3 sperm whales 23 beaked whales 2 monodontidae narwhal and beluga 42 dolphins including 4 river dolphins and 7 porpoises cetaceans are broadly divided into two groups depending on whether they have teeth odontocetes or baleen mysticetes

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web whales roam throughout all of the world s oceans communicating with complex and mysterious sounds their sheer size amazes us the blue whale can reach lengths of more than 100 feet and weigh up to 200 tons as much as 33 elephants despite living in the water whales breathe air

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