



PHYSICS COURSE SYLLABUS Frederick Douglass High School

Teacher(s): Mr. K. Suggs, Ph.D.	
Room Number is: 373	Email: kellyn.suggs@atlanta.k12.ga.us
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

David Kirk



Physical Science 2liberty Course Syllabus:

The book delves into Physical Science 2liberty Course Syllabus. Physical Science 2liberty Course Syllabus is an essential topic that needs to be grasped by everyone, from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Physical Science 2liberty Course Syllabus, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
 - Chapter 1: Introduction to Physical Science 2liberty Course Syllabus
 - Chapter 2: Essential Elements of Physical Science 2liberty Course Syllabus
 - Chapter 3: Physical Science 2liberty Course Syllabus in Everyday Life
 - Chapter 4: Physical Science 2liberty Course Syllabus in Specific Contexts
 - Chapter 5: Conclusion
 2. In chapter 1, the author will provide an overview of Physical Science 2liberty Course Syllabus. The first chapter will explore what Physical Science 2liberty Course Syllabus is, why Physical Science 2liberty Course Syllabus is vital, and how to effectively learn about Physical Science 2liberty Course Syllabus.
 3. In chapter 2, the author will delve into the foundational concepts of Physical Science 2liberty Course Syllabus. The second chapter will elucidate the essential principles that need to be understood to grasp Physical Science 2liberty Course Syllabus in its entirety.
 4. In chapter 3, this book will examine the practical applications of Physical Science 2liberty Course Syllabus in daily life. This chapter will showcase real-world examples of how Physical Science 2liberty Course Syllabus can be effectively utilized in everyday scenarios.
 5. In chapter 4, this book will scrutinize the relevance of Physical Science 2liberty Course Syllabus in specific contexts. This chapter will explore how Physical Science 2liberty Course Syllabus is applied in specialized fields, such as education, business, and technology.
 6. In chapter 5, this book will draw a conclusion about Physical Science 2liberty Course Syllabus. This chapter will summarize the key points that have been discussed throughout the book.
- This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Physical Science 2liberty Course Syllabus.

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Physical Science 2liberty Course Syllabus Introduction

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