

Broward County Public Schools Curriculum Guide

11th Grade

MARINE SCIENCE I

The purpose of this course is to provide an overview of the unique characteristics of the marine environment by exploring the physical and biological characteristics of seawater. Topics will include the ocean's present and potential resources, marine biology interactions with technology and society, and interrelationships between man and the ocean environment. Laboratory activities that include the use of the scientific method, measurement, laboratory apparatus and safety are an integral part of this course. Instructional practices infuse the State of Florida Next Generation Sunshine State Standards for Science by supporting reading from a wide range of informational texts and providing extensive research and writing opportunities, while the mathematical practices focus on applying critical thinking and logical reasoning skills.

This highly rigorous, accelerated course will provide an advanced overview of the unique characteristics of the marine environment by exploring the physical and biological characteristics of seawater. Topics will include the ocean's present and potential resources, marine biology interactions with technology and society, and interrelationships between man and the ocean environment. Laboratory activities that include the use of the scientific method, measurement, laboratory apparatus and safety are an integral part of this course. Instructional practices infuse the State of Florida Next Generation Sunshine State Standards for Science by supporting reading from a wide range of informational texts and providing extensive research and writing opportunities, while the mathematical practices focus on applying critical thinking and logical reasoning skills.

MARINE SCIENCE I HONORS

11 PHYSICS I

Physical Science will provide opportunities for students to investigate the introductory concepts of physics and chemistry. Topics will include but not be limited to: dynamics, classification, interaction of matter, the periodic table, forms of energy, electricity and magnetism, chemical interactions, nuclear reactions, and career opportunities. Laboratory activities that include the use of the scientific method, measurement, laboratory apparatus and safety are an integral part of this course. Instructional practices infuse the State of Florida Next Generation Sunshine State Standards for Science by supporting reading from a wide range of informational texts and providing extensive research and writing opportunities, while the mathematical practices focus on applying critical thinking and logical reasoning skills.

This highly rigorous, accelerated course will provide opportunities for students to quantitatively investigate the introductory concepts of physics and chemistry. Topics will include but not be limited to: dynamics, classification and interaction of matter, the periodic table, forms of energy, electricity and magnetism, chemical interactions, nuclear reactions, and career opportunities. Laboratory activities that include the use of the scientific method, measurement, laboratory apparatus and safety are an integral part of this course. Instructional practices infuse the State of Florida Next Generation Sunshine State Standards for Science by supporting reading from a wide range of informational texts and providing extensive research and writing opportunities, while the mathematical practices focus on applying critical thinking and logical reasoning skills.

11 PHYSICS I HONORS



11th Grade

ANATOMY AND PHYSIOLOGY

This course will provide students with general exploratory and advanced activities in structures and functions of the components of the human body. Topics will include but not be limited to: anatomical terminology, cells and tissues, systems of the body, disease and inheritance. Laboratory activities that include the use of the scientific method, measurement, laboratory apparatus and safety are an integral part of this course. Instructional practices infuse the State of Florida Next Generation Sunshine State Standards for Science by supporting reading from a wide range of informational texts and providing extensive research and writing opportunities, while the mathematical practices focus on applying critical thinking and logical reasoning skills.



ANATOMY AND PHYSIOLOGY

This highly rigorous, accelerated course will provide students with advanced exploratory activities in the structure and function of the components of the human body. Topics will include, but not be limited to: anatomical terminology, cells and tissues, systems of the body, disease and inheritance. Laboratory activities that include the use of the scientific method, measurement, laboratory apparatus and safety are an integral part of this course. Instructional practices infuse the State of Florida Next Generation Sunshine State Standards for Science by supporting reading from a wide range of informational texts and providing extensive research and writing opportunities, while the mathematical practices focus on applying critical thinking and logical reasoning skills.

