

Course Descriptions

Revised 2019-2020

Course Name *

Regents Earth Science

Teacher Name *

Barbara Bibbins

Prerequisite *

Regents Living Environment

Course Description *

This physical science based course introduces the student to the structure of and the processes that occur on Earth and in the Universe. Topics follow the NYS curriculum and include: astronomy, energy, climate, weather, mapping, weathering, erosion, deposition, rock and mineral study, plate tectonics, and geologic history. Emphasis is placed on New York State geology as well. Students also complete labs throughout the year and fulfill the NYS laboratory mandate for Regents exams. A Regents exam is given in this courses

Credit - Will this course receive college credit *

☐ Yes

☒ No

This course could lead to a career in: *

Geology, Meteorology, Astronomy, Soils, Oil and Gas, Climatology, Paleontology

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Course Descriptions

Revised 2019-2020

Course Name *

Regents Living Environment

Teacher Name *

Heather Streeter

Prerequisite *

Grade 8 Science

Course Description *

This life science based course introduces the student to the essential characteristics of living organisms. Course topics follow the NYS curriculum and include: cells, cellular processes, genetics, reproduction, ecology, and evolution of organisms. Development of laboratory skills is a requirement of Regents courses. Students complete labs throughout the year and fulfill the NYS laboratory mandate for Regents exams. A Regents exam is given in this course.

Credit - Will this course receive college credit *

☐ Yes

☒ No

This course could lead to a career in: *

Prepares for studying Biological, Animal, or Medical Sciences

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Course Descriptions

Revised 2019-2020

Course Name *

Regents Chemistry

Teacher Name *

Heather Streeter

Prerequisite *

Earth Science

Course Description *

This physical science based course introduces the student to the properties of matter, how it reacts with other matter, and how matter behaves. Topics follow the NYS curriculum and include: structure of atoms, formation of bonds, chemical reactions, and behavior of various types of chemicals. Students also complete labs throughout the year and fulfill the NYS laboratory mandate for Regents exams. A Regents exam is given in this course.

Credit - Will this course receive college credit *

☐ Yes

☒ No

This course could lead to a career in: *

Medical Sciences, Chemical Engineering, Environmental/Chemical Analysis

Note on BOCES integrated credits: Not all BOCES programs have 1 science credit integrated into coursework. PLAN and CHECK on your program of study so you have a plan for 3 science credits completed by graduation.

College/Career Readiness Recommendations: ALL 2 or 4 year degree programs require a (General) Education Core of classes that includes 1 full year of science classes completed. Additionally, science coursework is required in areas of study that may seem to have little science background needed.

It is recommended:

*You take 4 years of science credits at BHCS to be prepared

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Course Descriptions

Revised 2019-2020

Course Name *

Regents Physics

Teacher Name *

Mr. REFF

Prerequisite *

None

Course Description *

Regents Physics is a course offered to 11th and 12th graders, and encompasses five main areas of study:

Mechanics,
Work & Energy,
Electricity & Magnetism,
Wave Phenomena, and
Modern Physics.

The course is wide-ranging, and offers many hands-on experiences for students. Some of the laboratory experiments include: determining the acceleration due to gravity, finding the elastic constant for a garage door spring, and determining the muzzle velocity of a projectile launcher. Physics has a lab period every other day. This course prepares students for college as well as the NYS Regents Examination in Physics.

Credit - Will this course receive college credit *

☐ Yes

☒ No

This course could lead to a career in: *

Physics should be at the foundation of any career. You can't build house or send someone to the Moon without it!!

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Course Descriptions

Revised 2019-2020

Course Name *

Anatomy & Physiology

Teacher Name *

Heather Streeter

Prerequisite *

Living Environment average above 80 recommended

Course Description *

This life science based course studies the structure and function of the mammalian body. Topics include: cells, tissue, skeletal system, nervous system, and skin. Students also may select body systems for further study. Research is also done focusing in disease and treatment. Several dissections are completed near the end of the year including cat dissection. This course is highly recommended for students interested in pursuing careers in medicine, dentistry, veterinary, and mortuary sciences, as well as those interested in physical education or massage therapy. This course has an emphasis on self directed study and would mirror a college level Anatomy and Physiology class.

Credit - Will this course receive college credit *

☐ Yes

☒ No

This course could lead to a career in: *

Any area of Medical, Dental, Veterinary, Mortuary Studies and also prepares for study in Physical Education/Personal Trainer and Massage Therapy careers

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