



**Brookline High School**  
**Science Department**  
**115 Greenough Street**  
**Brookline, MA 02445**  
**(617) 713-5365**

### ***Course Selection of Optional Science Courses***

Teachers will be advising students on the differences between the various optional courses. Here is a list of all courses, and a brief description of the type of student who takes these courses. Most classes are less likely for Juniors to be able to enroll in, and we are honestly divulging the likelihood that certain courses will be offered:

**Physics II H** This course is offered if there is enough interest. Students in Physics II H expand on the topics in Physics I with more complex problems, and with more advanced applications.

**AP Physics – 1&2** This course (formerly known as *AP Physics B*) is for students interested in all disciplines of science at an advanced level; such as Medicine, Biochemistry, and Engineering.

**AP Physics – C** This course is for students interested in Physics at an advanced level. Calculus is required.

**Chemistry II H** This course is for students interested in all disciplines of science at an advanced level; with a particular fondness for Chemistry. It is offered if there is enough interest.

**AP Chemistry** This course is for students interested in Chemistry at an advanced level. Students will find this course to be a very good preparation for all Biology electives, and collegiate studies in Chemistry.

**Biology II H** This course is for students interested in scientific experimentation in specific topics, such as animal behavior, infectious disease, and neurobiology.

**AP Biology** This course is for students interested in Biology at an advanced level. Students will find this course to be a very good preparation for collegiate studies in Biology.

**AP Environmental Science** This course is for students interested in Environmental Biology, and applied Chemistry and Physics at an advanced level. Students are expected to read copiously, should have strong math and analytical skills, and be earnest participants in class discussions.

**Anatomy & Physiology (Standard or Honor)** This course is for students interested in the human body. It is a perfect choice for anyone pursuing any career in health care.

**Astronomy (Standard or Honor)** This course is for students who are interested in stars and planets. It is offered if there is enough interest.

**Engineering by Design H** This course is perfect for students who love to learn by building. Ask about it, or peek into room UA16.

**Body/Mind H** This course is for students who are interested in the human body, Psychology, current medical research, and the body's response to stimuli. Ask about it.

**Marine Biology (Standard or Honor)** This course is for students interested in Biology and ocean science. It is focused on the ecosystems and specific marine animals.

### **Semester Courses**

**Drawing for Understanding in Field Science** This new course can be taken for Visual Arts or Science credit. Students will explore the natural world through observing complex organisms and systems. They will also learn how drawing is used for scientific study, and how questions of science inform and deepen artistic practice.

**Forensic Science (Standard or Honor)** This course is for students who love crime solving.

**Genetics (Standard or Honor)** This course is for students who enjoyed the Genetics units in Biology.

Sincerely,

Ed Wiser  
Curriculum Coordinator for Science



## BHS Science Courses – for 12<sup>th</sup> Graders

To request courses for next year, please fill out this form and return it to your teacher by the due date. Your science teacher will sign this document to signify that the choices are appropriate. Then this form will be sent to your counselor for approval as they enter the additional course request. Finally, once the student portal opens, **you** will enter any alternate choices to help create an optimal schedule.

### Course Request Teacher Enters

#### Full Year Courses

- \_\_\_\_\_ SC2130 Chemistry II H
- \_\_\_\_\_ SC4130 Physics II H
- \_\_\_\_\_ SC4140 AP Physics 1&2
- \_\_\_\_\_ SC4141 AP Physics C
- \_\_\_\_\_ SC4240 AP Chemistry
- \_\_\_\_\_ SC4320 Anatmy/Physio
- \_\_\_\_\_ SC4330 Anatmy/Physio H
- \_\_\_\_\_ SC4430 Bio II H
- \_\_\_\_\_ SC4440 AP Biology
- \_\_\_\_\_ SC4540 AP Enviro Sci
- \_\_\_\_\_ SC5020 Astronomy
- \_\_\_\_\_ SC5030 Astronomy H
- \_\_\_\_\_ SC5130 Body/Mind H
- \_\_\_\_\_ SC5530 Eng By Dsgn H
- \_\_\_\_\_ SC5620 Marine Biology
- \_\_\_\_\_ SC5630 Marine Biology H

#### Semester Courses

- \_\_\_\_\_ SC1300 Drawing For  
Understanding in Field Science Credit
- \_\_\_\_\_ SC5820 Forensic Science
- \_\_\_\_\_ SC5830 Forensic Science H
- \_\_\_\_\_ SC5920 Genetics
- \_\_\_\_\_ SC5930 Genetics H

### Additional Course Request Counselor Enters

#### Full Year Courses

- \_\_\_\_\_ SC2130 Chemistry II H
- \_\_\_\_\_ SC4130 Physics II H
- \_\_\_\_\_ SC4140 AP Physics 1&2
- \_\_\_\_\_ SC4141 AP Physics C
- \_\_\_\_\_ SC4240 AP Chemistry
- \_\_\_\_\_ SC4320 Anatmy/Physio
- \_\_\_\_\_ SC4330 Anatmy/Physio H
- \_\_\_\_\_ SC4430 Bio II H
- \_\_\_\_\_ SC4440 AP Biology
- \_\_\_\_\_ SC4540 AP Enviro Sci
- \_\_\_\_\_ SC5020 Astronomy
- \_\_\_\_\_ SC5030 Astronomy H
- \_\_\_\_\_ SC5130 Body/Mind H
- \_\_\_\_\_ SC5530 Eng By Dsgn H
- \_\_\_\_\_ SC5620 Marine Biology
- \_\_\_\_\_ SC5630 Marine Biology H

#### Semester Courses

- \_\_\_\_\_ SC1300 Drawing For  
Understanding in Field Science Credit
- \_\_\_\_\_ SC5820 Forensic Science
- \_\_\_\_\_ SC5830 Forensic Science H
- \_\_\_\_\_ SC5920 Genetics
- \_\_\_\_\_ SC5930 Genetics H

### Alternative Choices Student Enters

#### Full Year Courses

- \_\_\_\_\_ SC2130 Chemistry II H
- \_\_\_\_\_ SC4130 Physics II H
- \_\_\_\_\_ SC4140 AP Physics 1&2
- \_\_\_\_\_ SC4141 AP Physics C
- \_\_\_\_\_ SC4240 AP Chemistry
- \_\_\_\_\_ SC4320 Anatmy/Physio
- \_\_\_\_\_ SC4330 Anatmy/Physio H
- \_\_\_\_\_ SC4430 Bio II H
- \_\_\_\_\_ SC4440 AP Biology
- \_\_\_\_\_ SC4540 AP Enviro Sci
- \_\_\_\_\_ SC5020 Astronomy
- \_\_\_\_\_ SC5030 Astronomy H
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- \_\_\_\_\_ SC5930 Genetics H

\_\_\_\_\_  
Student Name (Please Print)

\_\_\_\_\_  
Due Date

\_\_\_\_\_  
Teacher Signature

\_\_\_\_\_  
Counselor Name (Please Print)

Comments: