

9th Grade Science - Honors Application

Do you have an interest in science? Are you ready for a challenge? Can you complete work independently? Do you turn in your assignments on time? Do you work well with others in a lab group? Do you love learning new information in a hands-on way? Are you ready to learn at an accelerated pace? Will you be in an honors math class next year? If you answered yes to these questions, honors science might be a great fit for you! Please read and complete this application to be considered for an honors course. Please keep in mind that honors courses are a course option but aren't a great fit for every student (especially after a pandemic!) Please look at your entire class schedule and decide if an honors science course is the best fit for your current life and academic situation. (Our regular Earth and Space Science course is an excellent option too!!!)

Name: _____

School: _____ Current Science Teacher: _____

What math class are you taking next year?(circle one) *Geometry* *Honors Math 1* *Honors Math 2* *Other?* _____

Current Science Grade: _____ Current Math Grade: _____ Current English Grade: _____

Which honors science course are you applying for next year? (circle one)

Honors Earth and Space Science

Honors Biology

Physics

What are the requirements for honors-level science classes at Capital High School?

- Completed application
- "B" or better in math, science, and English recommended
- The appropriate math prerequisite (see table below)
- Recommendation of current science teacher

Which honors science class should I take?

| Class Name | Grades in the class | Math co-requirement | Recommendations |
|--------------------------------|--------------------------------------|------------------------------------|---|
| Honors Earth and Space Science | Mostly 9 th | Geometry, Honors Math 1, or Higher | Recommended for students who are ready for an introductory level high school honors science course. The course is designed to be a freshman-level course where students are guided through expectations and given skills to be successful in honors courses. |
| Honors Biology | 9 th and 10 th | Geometry, Honors Math 1, or Higher | Recommended for students who are interested in life science and have the skills necessary to enter a 10th grade-level honors course. Students have independent study skills, advocate for themselves, manage their own behavior, and participate effectively in group settings. |
| Physics | 9 th -12 th | Honors Math 2 or Higher | Recommended for students with an interest in physical science who are ready to tackle the challenge of being in a multi-grade course. |

I want to know more! What topics are taught in each of the honors courses?

4101 Earth and Space Science Science-Honors **Grades: 9-10** **1.0 Credit**

Honors Earth and Space Science is designed for students who are talented in mathematics and science, and who enjoy and have an interest in pursuing a scientific course of study. This course involves in-depth reading of scientific works, measurement, data analysis, inquiry labs, and the writing of science-based papers. Students are expected to be able to make predictions from their observations, test these predictions, collect data using measurement from tests and draw conclusions from their work. This class has a science literacy and field component.

4201 Biology 1-Honors **Grades: 9-10** **1.0 Credit**

Honors Biology 1 is a survey course in the Life Sciences designed to challenge the advanced sophomore-level student. This rigorous course requires a high level of commitment and effort from the honors student. It is more in-depth and faster paced than the regular biology course, with a greater emphasis on critical thinking and independent learning. Successful completion of this class will better prepare students for other advanced level courses.

4400 Physics **Grades: 9-12** **1.0 Credit**

"Inquiry Physics" Physics provides an opportunity for students to continue their survey of the fundamental science disciplines offered at the high school level. Physics is a college preparatory introductory level survey course recommended for those students with an interest in science that have demonstrated a high ability in mathematics and previous science classes. Through inquiry activities, laboratory experiences, discussion, movies and lecture students will explore the relationships of waves, sound, light, color, matter, kinematics of motion and energy with an emphasis on increasing student understanding of graphing, diagraming and fundamental problem-solving skills. Topics of study will include waves, sound, light, lenses, mirrors, motion, kinematics, forces, momentum, friction, energy, modern physics theory of the universe, and planetary motion.

***Special Note:**

Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins. Space may be limited in honors courses based on staffing and enrollment.

How do I complete this application?

- 1) Complete the information on Page 1 of this application.
- 2) Write a typed, double-spaced essay that answers the following questions. Please keep it less than one page!
 - Describe why you are applying for Honors Earth and Space Science, Honors Biology, or Physics.
 - Describe the skills you possess that will help you be successful in an advanced science course.
 - How will this class help your educational and/or career goals?
- 3) Have your science teacher initial your registration form.
- 4) Staple your application form to your essay and return to **your science teacher on the day registration is due.**

To be completed by your current science teacher AFTER you turn in your application:

- 1) Do you support this student in their honors science course choice? Yes No Initials of teacher _____
If you answered no to question one, why not?
- 2) If you do not support the choice, what would be a better placement? _____