



# Brookline High School

Science Department

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## Chemistry Course Selection

Physics teachers will be meeting with students, with the help of their fellow Chemistry teachers, to help them understand the differences between the various Chemistry courses. They will also give one-on-one recommendations when appropriate. Below are Chemistry teachers' words on how to choose a course:

**Chemistry 1** is a college preparatory chemistry course in which students learn material through direct instruction and activities that are the foundation of learning. Students learn about a wide range of topics within Chemistry; while many of these topics overlap with those on *Chemistry I Honor*, *Chemistry I* does not delve into the details of the same topics, or with as much algebra as other courses.

**Homework** in *Chemistry I* consists of both guided reading, with key questions, and independent reading-and-note-taking. Homework involves analyzing lab results, as well as reviewing content taught in the classroom.

**The students** in *Chemistry I* often need more structure, or have not yet completed *Algebra 1*.

**Chemistry I Honor** is a fast-paced, intense introductory Chemistry course based around lecture, discussions, and laboratory experiments across a wide-range of content.

**Homework** in *Chemistry I Honor* requires strong quantitative skills, and consists of reading and problem solving that supplement and guide their class work, as well as completing questions related to lab experiments.

**The students** in *Chemistry I Honor* are comfortable learning independently through reading, are well organized, and are ready for a challenge. Students interested in eventually enrolling in *AP Chemistry* should consider *Chemistry I Honor* as the best preparation since the content areas are covered in this course, slightly more than in the other Chemistry courses. Further, *Chemistry I Honor* is the introductory course that most prepares students for the SAT II Subject Test in Chemistry. However, to be prepared fully for this exam, students need to independently review and learn some additional material, and therefore are encouraged to take *AP Chemistry* if this is their goal.

**SWS Students** have the option of taking an SWS section of *Chemistry I Honor*, which is the same course, simply populated with SWS students.

### Other pathways

- Summer school is not the best option for students hoping to accelerate, and must consult me before considering any summer school course.
- Simultaneously taking another science course as a 10<sup>th</sup> grade student is not necessary, and it would not accelerate a student who is very interested in science. This is because many students have successfully taken optional courses concurrently with Biology in 11<sup>th</sup> grade.

If you have any questions, feel free to contact me.

Sincerely,

Ed Wisner

Curriculum Coordinator for Science