

Courses of Study

English

The primary emphasis in the English courses is on teaching the boys and girls to think effectively and to express themselves clearly. In the lower grades, parts of speech and sentence structure are emphasized, while the older students concentrate more on reading literary masterpieces and gaining experience in creative writing.

Science

General Science, Biology, Chemistry, and Physics are the courses offered by the science department and each student must take at least two. The excellent laboratory building boasts a large stock of chemicals and apparatus which enables the classes to conduct numerous experiments in inorganic and elementary organic chemistry. The biological section contains a large collection of specimens and an extensive microscope slide library. Incubator and sterilizer facilities are available to more advanced students for work on specialized microbiological problems. Practical laboratory experiments in physics make it possible to apply theoretical principles.

Class and laboratory work is supplemented by field trips to industrial plants, dairies, and laboratories. Every effort is made to stress fields where research is urgently needed.

History

By developing a critical, thoughtful approach to history, students gain a realistic attitude towards contemporary events and problems. As far as possible, history courses are correlated with those in literature, science, and mathematics in an effort to point out the relationship of simultaneous developments.

Courses in this department include Ancient, European, and American History and Social Studies. Classes include independent research projects as well as lectures. A current events discussion group, held in the evening for those interested, follows trends in contemporary history.

Mathematics

Recognizing that a solid foundation in mathematics is vital for success in engineering, physics or other science fields, Windsor Mountain offers instruction in algebra, plane geometry, solid geometry, trigonometry, and advanced algebra. Students are required to take a minimum of two of these courses and are encouraged to elect more, for a study of mathematics fosters orderly, logical, and accurate thinking. In addition to learning to deal with conventional mathematical problems, the boys and girls read books relating mathematics to some of the techniques and disciplines of modern civilization.