

Science and Math at Whitefield

Preparing Students for the Twenty-First Century

A classical education includes a vibrant math and science program. At Whitefield, we believe in not only teaching students a body of scientific knowledge, but also the *methods* by which humanity has gained that knowledge. Thus, Whitefield Upper School students enjoy a comprehensive science program, imbued with a classical approach. Students complete courses in Physical Science, Biology, Chemistry and Physics on the Science side, while Math studies include Trigonometry, College Algebra and Calculus. The practical application of the scientific method gives students the skills to conduct lab experiments, use lab equipment, and use scientific reasoning skills to analyze data.



Beginning in seventh grade, students study the history of science, seeing how science has progressed, stalled and changed throughout the ages. Students learn how scientists analyze data and draw conclusions by conducting experiments. Hands on lab work is an important component of all science classes from seventh through twelfth grade, with Biology and Chemistry classes receiving in-depth laboratory experience.