

Chemistry:

This course will enable teachers to teach science content required by the Massachusetts Science and Technology/Engineering Framework, as expected by the MCAS. Specific content topics will include describing forms of matter, the metric system and SI units, physical and chemical properties of matter, atomic structure, the Periodic table, the properties of bonding and making compounds through chemical reactions. Scientific literacy can be achieved by engaging students to inquire about chemical phenomena. This will allow the students to develop conceptual understandings and scientific skills that are necessary to make informed decisions concerning their world. Basic mathematics instruction is integrated seamlessly throughout the entire course. Students will improve their content knowledge through the use of inquiry-based methods of instruction in a hands-on learning environment. Teachers will adopt the institute's methods and content by working with classroom materials and curriculum, creating their own activities, and engaging their students. Discussions will provide feedback from colleagues and help to improve their lesson plans. This course will be held at Bristol Community College.

Spring 2009 Semester