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Introduction to Physical Science

This course serves as an introduction to the two largest fields of physical science, Physics and Chemistry, in preparation for future standalone courses. The study of physical science fosters an in-depth understanding of the structure, composition, and properties of matter, as well as the principles that govern its motion through space and time. Emphasis is placed on scientific techniques such as formulating hypotheses, developing and safely carrying out experimental procedures, analyzing data, communicating results. Major areas of study include: the organization and use of the periodic table, physical and chemical changes, nuclear reactions, forces and motion, work and energy, momentum, heat and temperature, light and sound, and electricity and magnetism.