



The study of biology is intended to develop students' understanding and application of biological concepts and skills. The focus of these courses is on understanding the biological principles behind the natural events the students experience and the technology they use in their daily lives. Biology is an experimental discipline that develops knowledge, skills, and attitudes to help students become capable of and committed to setting goals, making informed choices, and acting in ways that will improve their own lives as well as life in their communities. Biology students will develop their ability to observe, generalize, hypothesize, and infer through observation. They will show growth in their understanding of biological concepts by increasing their ability to apply these concepts to relevant situations and new contexts. Throughout the course, students will continue to develop scientific literacy, and they will learn to communicate in the specialized language of biology.

Success in Biology 30 requires the successful completion of Science 10 and Biology 20, which develop the requisite knowledge and skills.

Biology 20 (5 credits)

Biology 20 consists of four units of study: A. Energy and Matter Exchange in the Biosphere, B. Ecosystems and Population Change, C. Photosynthesis and Cellular Respiration, D. Human Systems.

Biology 30 (5 credits)

Biology 30 consists of four units of study: A. Nervous and Endocrine Systems, B. Reproduction and Development, C. Cell Division, Genetics and Molecular Biology, D. Population and Community Dynamics.

Biology 20 AP/30 AP (5 credits)

AP Biology is an academically rigorous program equivalent to a first year university biology course. Laboratories form a significant part of the curriculum, where students apply theoretical knowledge to practical situations. Topics in Biology 20AP/30AP are presented in an order that allows students to move into regular Biology 20/30 if they desire. The course prepares the students for both the Provincial Diploma Examination in January and the Advanced Placement examination in May. Extra AP Biology topics are covered during our flex EAST block.