

Technology

At Berkeley High we infuse technology into the specific learning communities (AC/Small Schools/Departments) instead of having one centralized set of Instructional Technology classes. In most cases, we feel that technology is best used as a tool to facilitate the learning of other subject matter. Although, we have listed/referenced the various courses that have technology at the foundation of their instruction on this page, many other classes have technology integrated into the instruction at varying levels.

Berkeley High's presence at Edline.net (https://www.edline.net/pages/Berkeley_HS) provides students/families with the opportunity to view attendance and grade information, as well as school wide information. Many teachers have pages full of instructional resources and information located in Edline under the "Classes" link. As well as, other websites that they have created like Moodle, etc. Please see the instructor for their specific technology offerings/integration.

C++/JAVA 1/2: INTRODUCTION TO PROGRAMMING (P)

YEAR • 10 CREDITS

This course uses the C++ and JAVA languages. Students gain experience in block-structured programming as they write their own functions that employ parameter passing. Programs incorporate the use of structured data types, such as arrays and strings. Recursion is introduced. This course fulfills UC/CSU Elective (g) requirements.

AP JAVA 3/4/5:

PROGRAMMING METHODS (AP)

5 CREDITS/SEMESTER

Students extend their problem-solving approaches to include the use of abstract and dynamic data structures such as lists, queues, stacks and trees, and their operations. Complex programming assignments give students experience in more advanced programming methodology. This course may be taken in preparation for the Advanced Placement Exam in Computer Science: Level AB. This course fulfills UC/CSU Elective (g) requirements.