

BERKS CATHOLIC HIGH SCHOOL

GOD | FAMILY | ACADEMICS | FUN

The Computer Education Department develops skills in problem-solving and computer usage using logical and orderly techniques to attain the following objectives:

- ❖ To develop habits of logical thinking and precise expression;
- ❖ To recognize and define a problem, project a reasonable solution, and take steps to reach the desired results;
- ❖ To learn the basic principles behind some of the software packages available in business and in the market today.

Minor: Study Skills Grade 9 Required **with Computer Literacy**

Students will learn the basics of Apple Pages and Apple Keynote. File manipulation, including saving, copying, and backing up, will be stressed. This hands-on class will give students the necessary skills and background to use computers effectively during their time in high school.

Minor: Intro to STEM Grade 9 Required

The introduction to STEM course blends the subjects of science, technology, engineering and math in order to teach 21st-century skills based in experiential learning and inquiry. The course seeks to empower students to embrace a creative and innovative mindset by participating in hands on projects including electric circuitry, drone operation, coding, iPhotography, iMovie, and podcasting. In this course students are also given instruction in digital citizenship and cyber safety, as well as an introduction to Berks Catholic's technology and Apple environment environment.

Introduction to Computer Science Grade 11 and 12 College Prep

Introduction to Computer Science is a yearlong course designed to teach students the basics of computer science in an engaging way. Students will learn how to analyze, evaluate, and solve problems related to how computers operate. This course includes instruction in computer programming using Python, a relevant and user-friendly programming language that will enable the student to apply their understanding of course concepts to design interactive programs.

Computer Classes: ONLINE through Virtual High School

Prerequisite: Approval from the Studies Office

All computer classes including AP Computer Science A, Computational Science and Engineering using JAVA, Web Design, Programming is Visual Basic, and Creative Programming with Scratch are available as full course classes. For more information visit: www.vhslearning.org and look at the online course catalog for Computer Science and Technology.

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