CodeTN Team

CodeTN was founded and organized by Great Schools Partnership to challenge teams to produce dynamic web applications to alleviate or solve community problems.

Bearden has placed in the top 5 all four years of the competition, bringing home the 1st Place trophy and $5000 the first year. In 2017, BHS won $2500 for 2nd place. In addition to the $7500 won for the classroom, students on the first place team all received $500 Amazon Gift cards and the 2nd place team won $250 Amazon gift cards.

For more information on joining the 2019-20 Team, see Ms. Shipley or Coach Floyd in Room 313.
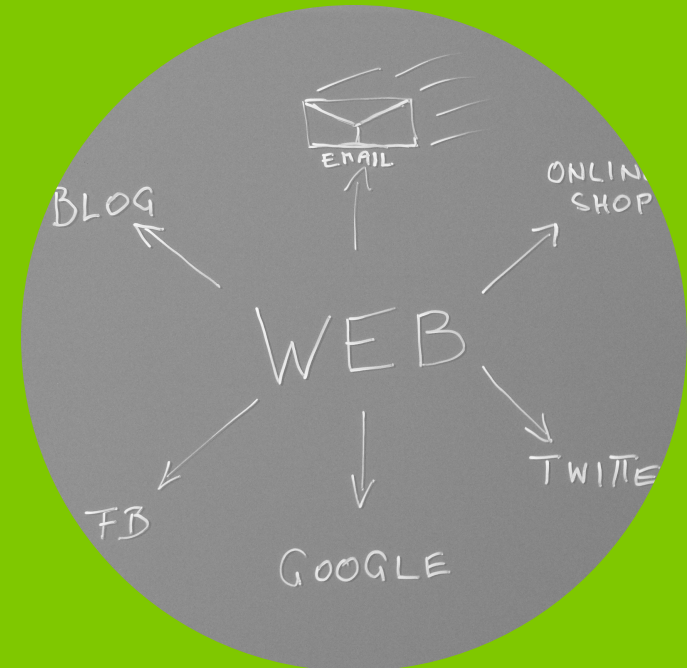

Web Design

Information Technology Cluster

For More Information Contact:
Ms. Shipley
Room 313

Web Design
amy.shipley@knoxschools.org

Computer Science Foundation

This is the first course in the Web Design and Coding. This course intended to provide students with exposure to various information technology occupations and pathways such as Coding, Web Design, and Cybersecurity.

Upon completion of this course, proficient students will be able to describe various information technology (IT) occupations and professional organizations. Moreover, they will be able to demonstrate logical thought processes and discuss the social, legal, and ethical issues encountered in the IT profession. Students will be introduced to Web Design and Programming in this course. After taking this course, students can choose to take the Web Design Focus Plan, the Coding Focus Plan, or Cybersecurity Plan.

This course is a Prerequisite for Web Design Foundation If you plan to use this as your Elective Focus.

Web Design Foundation

Web Design Foundations is a course that prepares students with work-related web design skills for advancement into postsecondary education and industry. The course is intended to develop fundamental skills in both theory and practical application of the basic web design and development process, project management and teamwork, troubleshooting and problem solving, and interpersonal skill development. Students will learn HTML/CSS and Javascript.

This class is a prerequisite for Web Site Development. The course is recommended for grades 10-11

Web Site Development

Industry Certification - AP weighted course

The CIW Web Design Specialist course a.k.a. *Web Site Development* is for the individual who wants to develop the skills necessary to specialize in Web site design. In this course, you will build upon your basic Web authoring skills to learn the essentials and best practices of Web design, including design theory, tools and technologies.

The CIW Web Design Specialist course prepares candidates to take the CIW Web Design Specialist exam, which, if passed, earns the individual the CIW Web Design Specialist certification.

Students will work towards earning an Industry certification as a CIW Web Specialist or in HTML5 & CSS3

The Test is paid for through a grant. students who sit for the test receive 4 points added on to their final Grade. This course is also weighted as an AP Class.