

WALTRIP HIGH SCHOOL

PATHWAYS

Graphic Design: Graphic designers are talented artists who have an eye for detail and a creative mind. Graphic designers create and combine symbols, images and text to form visual representations of ideas and messages. Common uses of graphic design include corporate design (logos and branding), editorial design (magazines, newspapers and book, advertising, web design, product packaging, and signage. Students in Graphic Design can earn an industry certification in Adobe Photoshop or Adobe Illustrator.



Geographic Information Systems (GIS): A geographic information system (GIS) is a computer system for capturing, storing, checking, and displaying data related to positions on Earth's surface. With GIS technology, people can compare the locations of different things to discover how they relate to each other. For example, using GIS, a single map could include sites that produce pollution, such as factories, and sites that are sensitive to pollution, such as wetlands and rivers. Such a map would help people determine where water supplies are most at risk. Students in GIS have an opportunity to earn an industry certification in ArcGIS.

Digital Media: In Digital Media, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students will enhance reading, writing, computing, communication, and critical thinking and apply them to the IT environment. Students in Digital Media can earn dual credit or an industry certification in Adobe Illustrator.





Health Science: Health Science are applied sciences that address the use of science and is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry. It is the field in which knowledge is taken from pure science and other related sources and applied to practical and clinical practices to maintain and improve the health of living beings. This program gives students an opportunity to observe many healthcare occupations and will also enable the student to make decisions about their future in the health care industry. Students in

Health Science have an opportunity to earn an industry certification as a medical assistant or pharmacy technician.



Engineering and Fabrication: This pathway provides students with an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware and software applications to complete assignments and projects. Fabrication in engineering is the building of structures by cutting, bending, and understanding the assembling process. It is a value-added process that involves

the construction of machines and structures from various raw materials. Students in this pathway may earn an industry certification in NCCER and/or SolidWorks.

Automotive Technology: Students studying automotive technology learn about engine construction, fuel and ignition systems, power trains, brakes, transmissions, electronic and diagnostic equipment, and get knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. Along with applicable safety and environmental rules and regulations, this study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. Students in this pathway may earn an industry certification in ASE-Refrigerant Recovery & Recycle EPA 609.

