



Magnet Pathways

Arts, Audio/Video Technology, and Communications Program of Study

Digital Communication

The Digital Communications program of study explores the occupations and educational opportunities associated with the production of audio and visual media formats for various purposes, such as TV broadcasts, advertising, video production, or motion pictures. This program of study may also include exploration into operating machines and equipment to record sound and images, such as microphones, sound speakers, video screens, projectors, video monitors, sound and mixing boards, and related electronic equipment.

*Successful completion of the Graphic Design & Multimedia Arts program of study will fulfill requirements of a **Business and Industry Endorsement**.*

Course Sequence:

9th Grade ~ Principles of Arts, A/V Technology, and Communications
10th Grade ~ Audio/Video Production I
11th ~ Audio Video Production II
12th ~ Practicum of Audio/Video Production
INDUSTRY CERTIFICATION - Adobe Certified Associate Certifications

Graphic Design and Multimedia Arts

The Arts, A/V Technology and Communications (AAVTC) Career Cluster® focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment **services**. Careers in the AAVTC Career Cluster require a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication.

*Successful completion of the Graphic Design & Multimedia Arts program of study will fulfill requirements of a **Business and Industry Endorsement**.*

Course Sequence:

9th Grade ~ Digital Media
10th Grade ~ Graphic Design and Illustration I/Lab ~ Dual Credit
11th ~ Graphic Design and Illustration II/Lab ~ Dual Credit
12th ~ Digital Art and Animation ~ Dual Credit
Dual Credit is in Conjunction with Houston Community College
INDUSTRY CERTIFICATION - Adobe Certified Associate Certifications

Science, Technology, Engineering, and Mathematics Program of Study

Engineering

The Engineering program of study focuses on the design, development, and use of engines, machines, and structures. Students will learn how to apply science, mathematical methods, and empirical evidence to the innovation, design, construction, operation, and maintenance of different manufacturing systems. The Manufacturing Career Cluster® focuses on planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering. 2D, 3D and Robotics are a large part of his program.

*Successful completion of the Engineering program of study will fulfill requirements of the **Business and Industry or STEM Endorsement**.*

Course Sequence:

9th Grade ~ Principles of Applied Engineering
10th Grade ~ Manufacturing Engineering Technology I
11th ~ Engineering Design and Development
12th ~ Practicum in STEM
INDUSTRY CERTIFICATION – ACU - Autodesk Certified User ~ CSWA – Certified SolidWorks Associate – NCCER

For More Information about Waltrip Magnet Program visit:

<https://www.houstonisd.org/domain/12953>

Ms. Grimm, Magnet Coordinator ~ jgrimm@houstonisd.org

What Else Does Waltrip Offer?

Over 20 Advanced Placement Classes

- AP Art History
- AP Biology
- AP Studio Art
- AP Chemistry
- AP English Language
- AP Physics
- AP English Literature
- AP Environment Science
- AP Statistics
- AP US History
- AP Calculus (AB)
- AP Spanish Literature
- AP US Government
- AP Spanish Language
- AP Economics
- AP Chemistry
- AP Human Geography
- AP Psychology
- AP French
- AP Seminar
- AP Research
- AP World History

Post-Secondary Opportunity

Approved Capstone Campus

AP Capstone™ is a diploma program from the College Board. It's based on two year long AP courses: AP Seminar and AP Research.

Rather than teaching subject-specific content, these courses develop students' skills in research, analysis, evidence-based arguments, collaboration, writing, and presenting.

Dual Credit

English and Design Classes in conjunction with Houston Community College.

Clubs and Organizations

- AJROTC -Army Junior Reserve Officer Training Corp
- Ascending to Men
- Cheer
- Chess
- Club 6
- Gaming Design
- Dungeons & Dragons
- French
- HOSA
- Math Club
- National Honor Society
- National Technical Honor Society
- Rise of Nations Club
- Roses
- Debate Team (HUDL)
- UIL Academics
- Theater Arts
- Technology Student Association
- Waltrip Gay Straight Alliance
- Women of Waltrip

Career and Technical Education Department

- Automotive Technology
- Business Management in conjunction with 3DE & Junior Achievement
<https://www.3deschools.org/>
- Engineering and Fabrication
- Graphic Design and Multimedia Arts
- Health Sciences
- Innovative Arts ~ Digital Communications

Sports Offered at Waltrip

- Football
- Volleyball
- Boys & Girls Cross Country
- Boys & Girls Basketball
- Boys & Girls Wrestling
- Boys & Girls Soccer
- Boys & Girls Swimming
- Boys & Girls Track
- Boys & Girls Golf
- Boys & Girls Tennis
- Baseball
- Softball

Fine Arts

- Art
- Theatre
- Dance
- Choir
- Band

Foreign Languages

- French
- German
- Spanish



Career Technical Education

Business, Marketing, and Finance Program of Study

Business Management in Conjunction with 3DE Junior Achievement

The Business Management program of study teaches CTE learners how to plan, direct, and coordinate the administrative services and operations of an organization. Through this program of study, students will learn the skills necessary to formulate policies, manage daily operations, and allocate the use of materials and human resources. This program of study will also introduce students to mathematical modeling tools and organizational evaluation methods.

3DE connects education to real-world, infuses business connectivity into all aspects of learning, and delivers opportunities to apply academic concepts to enhance students' retention of knowledge and develop skills for success.

*Successful completion of the Business Management program of study will fulfill requirements of a **Business and Industry Endorsement***

Course Sequence:

9th Grade ~ Principles of Business, Marketing, and Finance

10th Grade ~ Business Information Management I/Lab

11th ~ Business Information Management II/Lab

12th ~ Business Management

INDUSTRY CERTIFICATION - Microsoft Office Specialist

Transportation, Distribution, and Logistics Program of Study

Automotive

The Automotive program of study teaches CTE learners how to repair and refinish automobiles and service various types of vehicles. CTE learners may learn to collect payment for services or supplies and perform typical vehicle maintenance procedures such as lubrication, oil changes, installation of antifreeze, or replacement of accessories like wiper blades or tires.

*Successful completion of the Automotive program of study will fulfill requirements of a **Business and Industry Endorsement***

Course Sequence:

9th Grade ~ Principles of Transportation Systems

10th Grade ~ Automotive Basics

11th ~ Automotive Technology I

12th ~ Automotive Technology II/Lab

INDUSTRY CERTIFICATION - ASE Automotive Service Excellence (ASE), OSHA

Health Science Program of Study

Healthcare Therapeutic

The Healthcare Therapeutic program of study introduces students to occupations and educational opportunities related to diagnosing and treating acute, episodic, or chronic illness independently or as part of a healthcare team. This program of study also includes an introduction to the opportunities associated with providing treatment and counsel to patients as well as rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.

*Successful completion of the Healthcare Therapeutic program of study will fulfill requirements of a **Public Service endorsement or STEM endorsement** if the math and science requirements are met.*

Course Sequence:

9th Grade ~ Principles of Health Science

10th Grade ~ Medical Terminology

11th ~ Health Science Theory/Health Science Clinical

12th ~ Pharmacology

INDUSTRY CERTIFICATION – Pharmacy Technician

For More Information about Waltrip High School visit:

<https://www.houstonisd.org/waltrip>



Unique Resources Provided at Waltrip

SOCIAL & EMOTIONAL SUPPORT / APOYO SOCIAL Y EMOCIONAL



The mission of Communities in Schools (CIS) in Texas is to surround students with a

community of support, empowering students to stay in school and achieve in life.

Contact Alison Flores at
Alison.Flores@houstonisd.org

La misión de Communities in Schools (CIS) en Texas es rodear a los estudiantes con una comunidad de apoyo, empoderando a los estudiantes para que permanezcan en la escuela y logren en la vida.

Comuníquese con Alison Flores at
Alison.Flores@houstonisd.org

Social Worker/Trabajadora Social



The Social worker at Waltrip High School seeks to enhance human well-being and help meet the basic human needs of all people.

Contact Tralynza Conley at
TCONLEY1@houstonisd.org

La Trabajadora Social en Waltrip High School busca mejorar el bienestar humano y ayudar a satisfacer las necesidades humanas básicas de todas las personas.

Comuníquese con Tralynza Conley at
TCONLEY1@houstonisd.org

PARENT SUPPORT & TIPS / APOYO Y CONSEJOS PARA LOS PADRES



Waltrip High School **WRAPAROUND SPECIALIST** can help connect your family with community resources to address many student challenges and needs.

Waltrip High School **WRAPAROUND SPECIALIST** puede ayudar a conectar a su familia con los recursos de la comunidad para abordar muchos desafíos y necesidades de los estudiantes.



Waltrip High School **PARENT ENGAGEMENT REPRESENTATIVE** Doris Aguilar can assist you with the HISD Connect Portal, parent computer trainings, food distribution sites, teacher contacts, and important resources to support your family.

Contact Ms. Creech at
kathryn.creech@houstonisd.org

LA REPRESENTANTE DE PARTICIPACION DE LOS PADRES de Waltrip High School, *Doris Aguilar*, puede ayudarle con el Portal HISD Connect, capacitaciones informáticas para padres, sitios de distribución de alimentos, contactos con maestros y recursos importantes para apoyar a su familia.

Comuníquese con Ms. Creech at
kathryn.creech@houstonisd.org

For More Information about Waltrip Magnet Program visit:
<https://www.houstonisd.org/domain/12953>
Ms. Grimm, Magnet Coordinator ~ jgrimm@houstonisd.org