

CAREER PATHWAYS

BUSINESS MANAGEMENT & FINANCE

COMPUTER PROGRAMMING

COMPUTER SCIENCE

CULINARY ARTS

DIGITAL MEDIA & DESIGN

DIGITAL PHOTOGRAPHY

ENGINEERING

HEALTH SCIENCE TECHNOLOGY

TECHNICAL THEATRE

BUSINESS MANAGEMENT & FINANCE ACCOUNTING

The Business strand has two different pathways from which students can choose: Business Management or Finance/Accounting. Each program provides a rigorous curriculum in the classroom and complimentary enrichment opportunities outside of the classroom for students.

- 2 Pathway Strands – Business Management or Finance/Accounting
- Rigorous curriculum
- Enrichment opportunities outside the classroom
- Internships with Shell, Sysco Foods, McDermott International, Inc, Genesys Works,



PRINCIPLES OF BUSINESS, MARKETING & FINANCE	
BUSINESS MANAGEMENT	FINANCE/ACCOUNTING
BUSINESS INFORMATION & MANAGMENT	FINANCIAL MATH
BUSINESS MANAGEMENT	ACCOUNTING 1 (Dual Credit)
BUSINESS LAW	ACCOUNTING 1 ADVANCED TECH CREDIT
PRACTICUM IN BUSINESS MANAGEMENT	ACCOUNTING 2 (Dual Credit)

COMPUTER PROGRAMMING

After successfully completing Principles of Information Technology and Principles of Art, A/V Technology and Communications, students interested in Computer Programming can learn one to two programming languages. Westside offers Python or Java with Java being the more complex language. A student may use Python as a starting point to learn the basics of computer programming before venturing into Java or a student may start in Java. Both paths are included in the four-year plan .

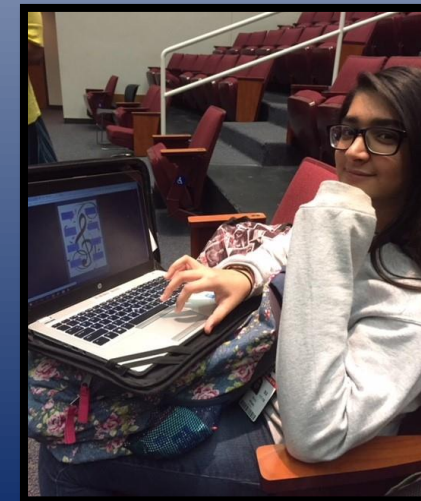
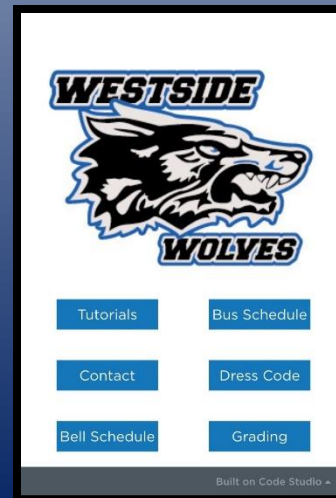
Hardware & Software

Computer Programming

Advanced Computer Programming

- Coding
- Web design
- Flow charting/needs assessments/program design
- Visual programming languages/logic

PRINCIPLES OF INFORMATION TECHNOLOGY
COMPUTER PROGRAMMING 1
COMPUTER PROGRAMMING 2
VIDEO GAME DESIGN
AP COMPUTER SCIENCE PRINCIPLES



COMPUTER SCIENCE

Computer Science – After successfully completing Principles of Information Technology, students will take Computer Science I which utilizes Scratch, a block based programming language. In Computer Science II, students develop programs in Python and are introduced to JAVA. In AP Computer Science A students will program in JAVA. In addition, students can take AP Computer Science Principles, which gives an in depth study of the science of computer science.

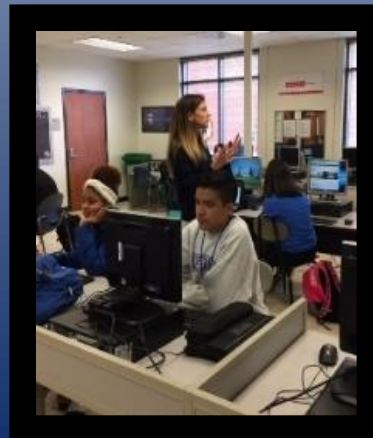
Hardware & Software

Computer Programming

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PRINCIPLES OF INFORMATION TECHNOLOGY
AP COMPUTER SCIENCE
COMPUTER SCIENCE II
COMPUTER SCIENCE I
AP COMPUTER SCIENCE PRINCIPLES



CULINARY ARTS

Entrance into program 9th Grade only

Westside Culinary Arts (WCA) Program provides high school students with an opportunity to explore career opportunities in the restaurant and foodservice industry through academic and hands-on learning. Westside's four-year program teaches students the management skills they will need to progress in their education and careers. WCA students work toward earning multiple certificates throughout their four years with the goal of attaining the ProStart Certificate of Achievement.

- Opportunities to explore restaurant and food service industry career opportunities
- Rigorous academic and hands-on learning
- Opportunity to earn multiple certificates
- Highest goal – attaining the ProStart Certificate of Achievement

INTRODUCTION TO CULINARY ARTS
CULINARY ARTS
EXTENDED PRACTICUM OF CULINARY ARTS I
ADVANCED CULINARY ARTS



DIGITAL MEDIA & DESIGN

The Digital Media Program is a four-year program which includes journalism, broadcast journalism, and audio/video production. The DMD strand has three specialized pathways as the students advance. The specialized pathways are Animation, Audio/Video Production, and Print Imaging Technology

- Analyzing Visual Media
- Animation
- Audio/Video Production
- Broadcast Journalism
- Graphic Designer
- Newspaper
- Printing and Imaging Technology
- Yearbook
- Video Game Design



ANIMATION	AUDIO/VIDEO PRODUCTION	PRINT IMAGING TECHNOLOGY
PRINCIPLES OF ARTS AUDIO/VISUAL		
GRAPHIC DESIGN & ILLUSTRATION		
ANIMATION 1	AUDIO/VIDEO PRODUCTION 1	PRINT IMAGING TECHNOLOGY 1
ANIMATION LAB 2	AUDIO/VIDEO LAB 2	PRINT IMAGING TECHNOLOGY 2
		PRACTICUM IMAGING TECHNOLOGY



DIGITAL PHOTOGRAPHY

In the Digital Photography Magnet Program, technology and art combine and allow the student to see the world through a different lens. Students complete basic elemental skills such as settings, essential elements before moving onto more conceptual ideas. These courses are also available at the Pre-Advanced Placement and Advanced Placement Levels



ART 1A PREAP	
PRE-AP ART 2A PHOTO	ART 2A-PHOTO/FILM
PRE-AP ART 3A PHOTO	ART 3A-PHOTO/FILM
AP ART/2D PHOTO	ART 4A-PHOTO/FILM

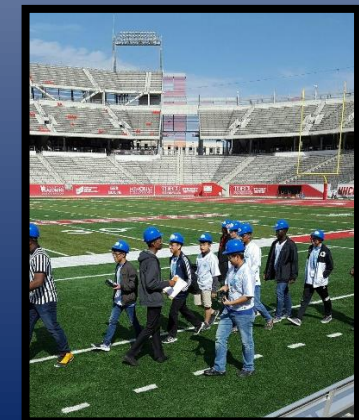


ENGINEERING

The Westside Engineering Academy offers a unique chance for students to gain perspective and insight into the engineering field. Students in this academy are engaged in rigorous academics and hands on projects. Teamwork and leadership skills are emphasized throughout the program, and organization is stressed from the beginning as essential for success. Problem based learning and critical thinking skills are fostered, as they are essential to the engineering profession.

- Rigorous Academics, hands on projects
- Problem based learning and critical thinking skills
- Partnership with Independent Petroleum Association of America (IPAA) & Petroleum Equipment & Services (PESA)
- Visit local engineering companies, experience the emerging technologies, hands on experience
- Nationally recognized four year engineering curriculum created by Project Lead the Way

INTRODUCTION TO ENGINEERING DESIGN	
PRINCIPLES OF APPLIED ENGINEERING	
DIGITAL ETS	
ENGINEERING MATH	Student has to have completed and earned credit for Algebra I, Geometry, and Algebra II
ENGINEERING DESIGN AND PROBLEM SOLVING	Student has to have completed and earned credit for Algebra I and Geometry



HEALTH SCIENCE TECHNOLOGY

The Health Science Technology Pathway allows students to investigate careers in the health professions field through specialized coursework and unique enrichment opportunities. HST has developed various partnerships throughout the medical community. HST students gain in depth knowledge of HST careers through off campus visits, career guest speakers and certification trainings with the Red Cross.

- Instructional focus on sciences, terminology & careers in the health profession field
- CPR, AED, First Aid, Red Cross, etc.
- Practicum in Health Science Technology
- Travel to Medical Facilities for fieldwork Experience
- HOSA competitions, Blood Drives

HEALTH SCIENCE TECHNOLOGY
PRINCIPLES OF HEALTH SCIENCE
ANATOMY & PHYSIOLOGY
HEALTH SCIENCE THEORY/CLINIC I
PRACTICUM IN HEALTH SCIENCE I



TECHNICAL THEATRE

In Technical Theatre, students will learn the main technical skills necessary to stage a production. Students will learn basic set building techniques and terminology, lighting and sound concepts, costume construction and design skills, basic stage makeup techniques, proficiency in stage management for a production, theatre history and much more. In Advanced Technical Theatre, students will have the hands-on experience of all previously learned concepts and will also work to build sets, design costumes, operate amplification and sound equipment, hang and run lighting equipment for the fourteen performances held here at Westside High School.

PRINCIPLES OF TECHNICAL THEATRE
TECHNICAL THEATRE II – Fundamentals of Design & Elements
TECHNICAL THEATRE III – Project Management
TECHNICAL THEATRE IV – Design Implementation

