Home of the Huskies Westbury High School Course Selection Guide 2021

******Instructions to log in to Google Survey here********

Westbury High School Course Selection Guide 2021

Texas requires 26 credits for a student to graduate with a Distinguished Level Diploma



US History

Government/Economics





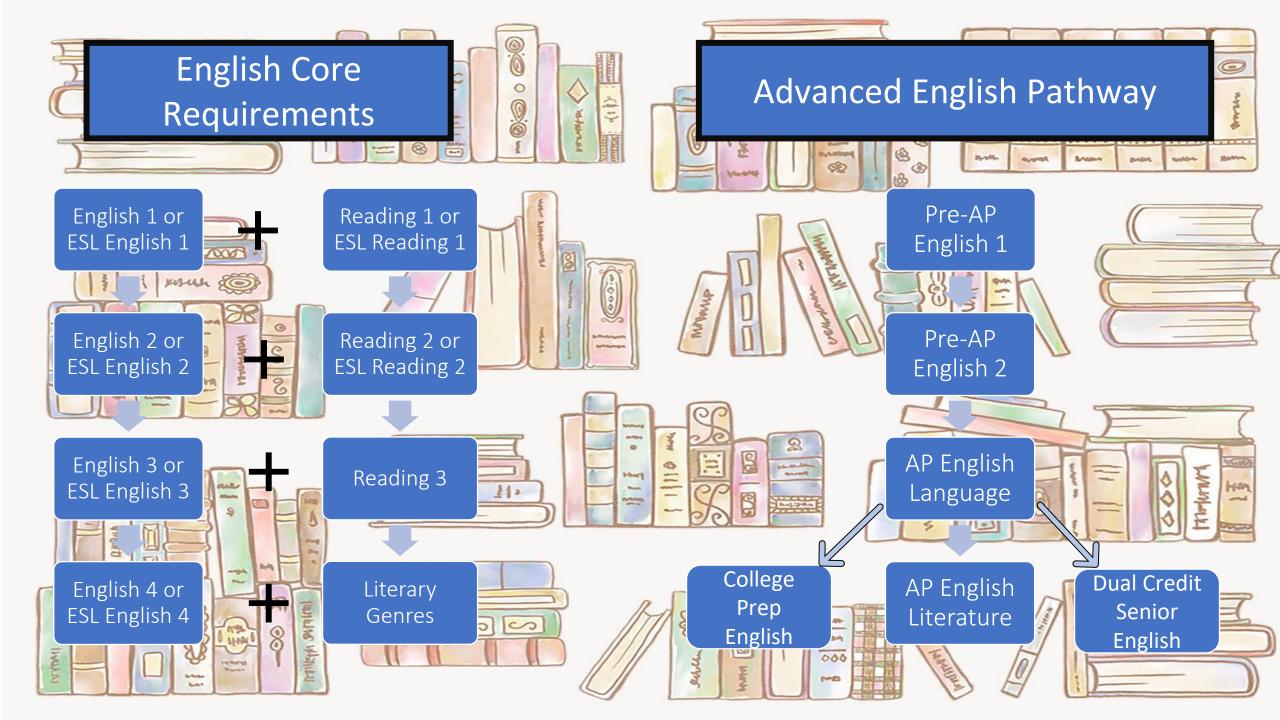
Typical Freshman Schedules

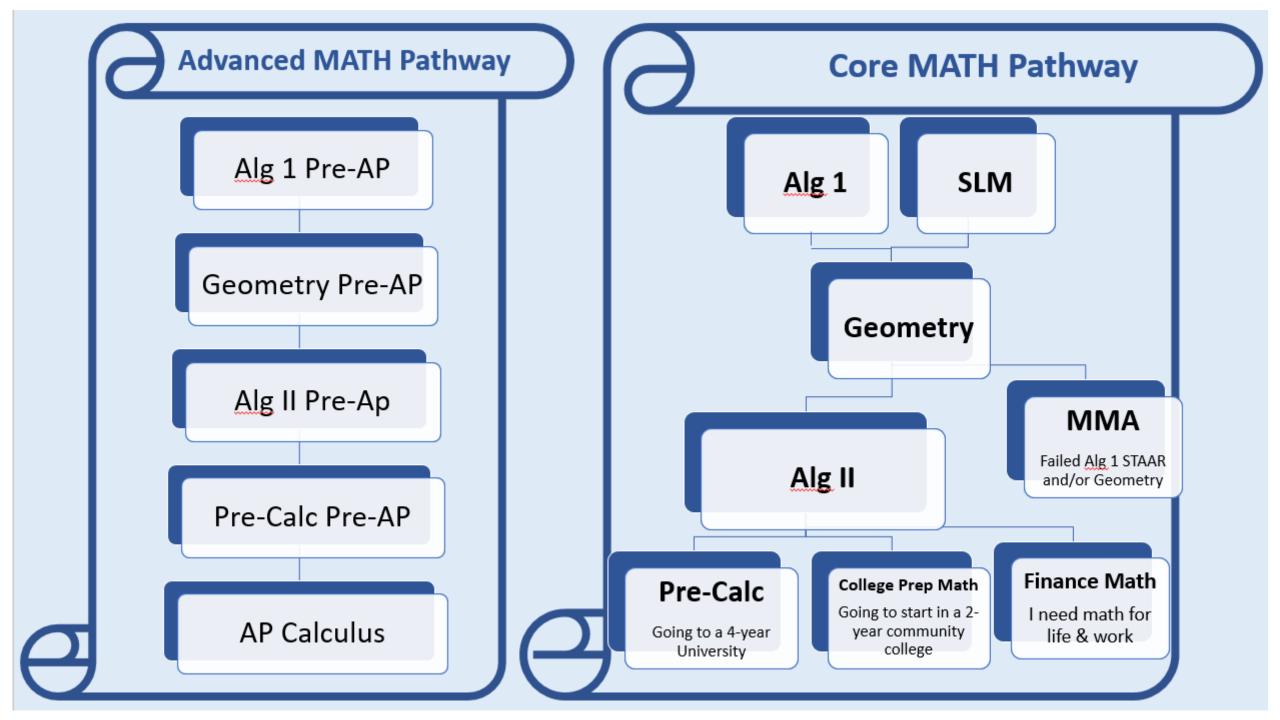
Regular Schedule – 8 classes

- English 1
- Reading 1
- Algebra 1
- Strategic Learning Math
- Biology
- World Geography
- CTE Class or Magnet Class 1
- Magnet 2 or PE or LOTE 2

Advanced/PAP Schedule – 8 classes

- PAP English 1
- PAP Algebra 1 or Geometry
- PAP Biology
- PAP World Geography or AP Human Geography (college credit)
- CTE class
- Magnet class 1 or Fine Arts
- Magnet 2 or LOTE or Other Elective
- PE





Westbury Science Department

9th Grade

> Biology > Pre-AP Biology

ESL Environmental Systems

10th Grade

- > IPC (failed Biology semester/STAAR)
 > Chemistry
 > Pre-AP Chemistry
- Fre-AF Chemisii
- ESL Biology

11th Grade

> Physics

> AP Physics 1

> Astronomy

> AP Biology

12th Grade

- Environmental Systems
- > AP Environmental Systems
- > AP Biology
- > Dual Credit Geoscience (UT)
- > Astronomy













Social Studies and History

9th Grade

- World Geography
- Pre-AP World Geography
- AP Human Geography

10th Grade

- World History
- AP World History

11th Grade

- US History
- AP US History

12th Grade

- Economics / Government
- AP Economics/ AP Government
- AP Psychology

Upcoming Electives

for 11th 12th Grade

- AP Psychology (2 semesters)
- Ethnic Studies African American
- Ethnic Studies Mexican American

Pre-AP Courses

- Preparing for AP Courses
- Builds your skills
- Strong reading and analytical skills
- Rigorous and engaging

AP Courses

- College Level courses
- Challenging
- Strong reading and writing skills
- Strengthen your transcript
- Earn college credit
 Scholarship opportunities



Complete ONLY the following questions:

- Email
- Student ID
- Last Name
- First Name
- Current Middle School
- Student Cell Phone Number put 000 if you do not have one
- Parent Phone Number
- Do you plan to attend Westbury next year? If no please put the name of the school you will attend.
- PAP/Advanced Classes for next year?

Westbury Career & Technology Education

AUTOMOTIVE TECH

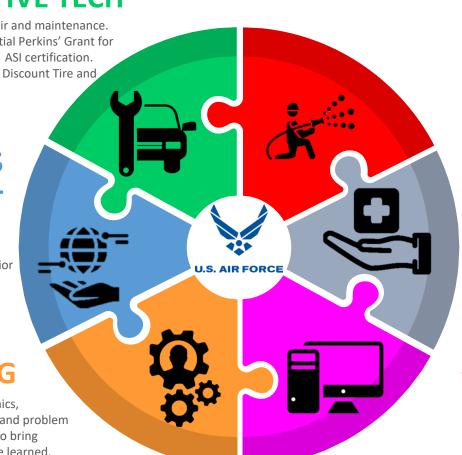
Auto mechanics, repair and maintenance. Just received substantial Perkins' Grant for an engine on a stand. ASI certification. Business partners are Discount Tire and car dealerships.

BUSINESS MANAGEMENT

Marketing, finance, business computer systems. Students can earn Microsoft certification. Senior year internships available

ENGINEERING

3D printers, robotics, electronics, rocketry. Engineering design and problem solving is a culminating class to bring together everything they have learned.



FIREFIGHTING

Law enforcement and public service, disaster response, CPR, First Aid, OSHA 30 certification.

HEALTH SCIENCE

Anatomy and physiology, basics of health care, front office, patient care, basics of pre-medicine. CPR certification. Certified Nursing Assistant.

INFORMATION TECHNOLOGY

Computer programming, website development, game development. Certification in programming. Project based research as a culminating activity.

Automotive Technology

Westbury High School Auto Tech Classes are for all 4 Years of High School. We will get them ready for an entry level job or to attend a two-year automotive degree.

- 1st Year-Principles of Transportation: Freshman Year we focus on Safety, Tools, and Systems of the vehicles.
- 2nd Year-Auto Basics: Sophomore Year our program focuses on Safety, Fundamentals of Electricity, and sub systems steering, suspension, and brakes.

3rd Year-Auto Tech 1: Junior Year the students come every day to our class, meaning the course is worth 2 Credits. Students should be able to pass the ASE Section 609 Refrigerent and reference on the certification. The summer between their Junior and Senior year if the student is invested, they can apply for an internship at one of our partnering dealerships

4th Year-Auto Tech 2: Senior Year the students should be able to pass the ISE Entry Level G1 test/certification. This is the capstone course and is mainly for students that want to pursue Automotive Technology as a Career. This class is worth 2 credits.

ATech

BUSINESS MANAGEMENT PATHWAY

9th Grade/Year 1

Principles of Business, Marketing, and Finance (1 Credit)

10th Grade/Year 2 Business Information Management I (1 Credit)

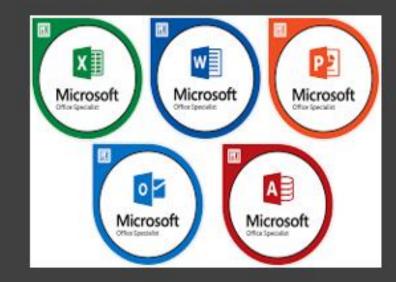
Focus on career planning and organization, evaluate staffing, and more! Learn how to begin and run a successful business. Gain a variety of skills in all areas including marketing, finance, and management.





11th Grade/Year 3 Business Information Management II (1 Credit)

12th Grade/Year 4 Business Management (1 Credit)



GET CERTIFIED IN MICROSOFT OFFICE!

CTE: Engineering

The application of math and science to understand how things work and to solve problems Courses:

HerBat Replicator

Principles of Applied Engineering
 History, safety, processes
 Introduction to Engineering Design

Electronics, 3D modeling

Computer Integrated Manufacturing

Programming, robotics

Engineering Design & Problem Solving

3D printing, engineering competitions

Civil, Mechanical, Chemical, Electrical Engineer \$58,000 to \$120,000 or more

Fire Fighter Pathway

- 9th Grade/1st Year Principles of Law: We focus on laws, communication skills, professionalism in the workplace, laws, roles of different agencies such as police, firefighters, paramedics, and 911 dispatchers.
- 10th Grade/2nd Year Disaster Response: Our program focuses on community emergency response (CERT). You will learn skills to help you and your family during disasters until emergency personnel arrives, and get certified in CPR.
- 11th Grade/3rd Year Fire 1: A double block class worth 2 Credits. The students come every day to allow more detailed, hands-on experiences. We will focus only on fire fighter skills and techniques. We will perform ems and fire scenarios in fire fighter gear, and get OSHA 30 certification.
- 12th Grade/4th Year Emergency Medical Technician Coursework will come directly out of the textbooks that are used on the college level. Students will earn their EMT certification upon successful completion. Students will have a huge advantage when applying to fire school or a local department.

All courses are taught by one of our two active HFD Firefighters who are certified in EMT and Fire Fighting.



CTE: Health Science

Helping people deal with illness and live a healthy life

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Principles of Health Science

History, safety, processes

Health Science Theory

Patient care, CPR training

Anatomy and Physiology
✓ Parts of the body and how they work.

Pathophysiology

Diseases and disorders

Health Science Practicum

Certified Medical Assistant

Medical Office Personnel, Nurse, Doctor \$32,000 to \$200,000 or more

PRINCIPLES OF INFORMATION TECHNOLOGY

Class Description:

 a 1-credit course for students to develop computer literacy skills to emerging technologies in the global marketplace. PROJECT BASED RESEARCH

Class Description:

course for

students to

research a real-

world problem.

The compiled

findings will be

presented to an

audience that

experts in the

PERSON SCREEN WEB

LAPTOP

includes

field.

COMPUTING

MoDall-credit

Class Description:

B a 1-credit course that teaches HTML, CSS, and JavaScript

WEB DESIGN

In this course you will design a personal web page.

ORK DESIGN

DEVELOPMENT

WEB GAME

Class Description:

ESSMAN

BUSI

WOR

a 1-credit course that counts for one credit, this **course explores** integrating websites with other computer applications, and converting written, graphic, audio, and video components to compatible web formats

Year Four 🚽

Year One

Year Two

Year Three

DIGITAL SERVICE

GLOBAL HARDWARE



Health – required for graduation

COED Health – learn information and skills to become a healthy adult
Dual Credit Health – earn college and high school health credit
Principles of Health Science meets the health requirement



Air Force JROTC – 4-year program

- To strengthen character and build good leadership skills
- To provide students with an elective 4-year course of study in Aerospace Science which meets Texas graduation requirements.
- To develop teamwork, leadership, and good interpersonal skills
- •To foster self-discipline and self-motivation
- To belong to something bigger than yourself



Physical Education (PE)

Focus on overall physical fitness and building lifetime fitness habits
Build flexibility, aerobic capacity, and cardiovascular health
Learn the basics of major sports
Gain insight into good nutritional habits to build a healthy lifestyle
Students will dress in appropriate clothing for PE



Junior Varsity (JV) & Varsity Athletics

Boys' Sports: Cross Country, Football, Basketball, Soccer, Baseball, Tennis, Golf & Track
Girls' Sports: Cross Country, Volleyball, Basketball, Soccer, Softball, Tennis, Golf & Track
Athletics 1 or Athletics 2: Girls' or Boys' Athletics class period for JV Athletes of all sports (2 semesters)
Varsity Athletics: Coach approval required for available sports

Health & Physical Education Options

WHS Sports Offered

-Volleyball -Football

- -Cross Country Boys/Girls
- -Basketball Boys/Girls
- -Soccer Boys/Girls
- -Baseball
- -Softball
- -Tennis Boys/Girls
- -Golf Boys/Girls
- -Track & Field Boys/Girls







Contact Information

Administrator Robert Maxey (<u>rmaxey@houstonisd.org</u>)

Athletic Coordinator Darrel Colbert (<u>Darrel.Colbert@houstonisd.org</u>)



Complete ONLY the following questions:

- Career and Technology Choose your 1st & 2nd choice program below.
- Are you interested in AFJROTC?
- What type of PE class would you like?
- If you chose Athletics select the level and sports you plan to play (2 questions).

Languages allow us to...

Make Connections... Explore Uncharted Territory... Reach Our Highest Potential...

Westbury Foreign Language Coursework

Spanish

French

Levels 1-4

Spanish 1-2 (Non-Native Speakers) Spanish 1-2 (Native Speakers) Pre-AP Spanish 3 AP Spanish Language AP Spanish Literature

All HISD students are required to take at least 2 years in a Foreign Language for High School Graduation.

If you are fluent in a language, you may be able to fulfill this requirement through a series of exams. Speak to your AP for more information.



Visual Art

- Art 1: Required for all other Visual Arts coursework
- Pre-AP Art 1 Magnet Only
- Art 2/3/4 & AP Drawing
- Art 2/3/4 & AP Painting
- Art 2/3/4 & AP Photography/ Graphic Design
- Art 2/3/4 Sculpture

For advancement to any area, a class average of 80 or higher is required from the previous level of coursework. Fees may be required for advanced courses.

AP Courses require teacher approval and are only open to Juniors and Seniors.

CHORAL MUSIC OPTIONS

Course Offerings

- Choral Music: Open to all students interested in Singing, Music Theory & History, and potentially performing.
- Varsity Choir: Males & Females Open to students through an audition and teacher approval. Performances & after school rehearsals required.
- Treble Choir: Females Only Open to students through an audition and teacher approval. Performances & after school rehearsals required.

There is at least one performance per semester for all Dance classes & there may be a fee for the required costume.

E

Dance (Levels 1-4)

Open to all students interested in learning dance technique and styles like Jazz, Lyrical, Ballet, Contemporary, and more!

Magnet Dance

Audition & teacher approval and level placement are required.

- Beginner
- Intermediate
- Advanced

Drill Team - Blue Diamonds

Audition Required

Instrumental Music

Course Offerings

Beginners are welcome in...

- Brass, Percussion, or Woodwinds
- Beginner Band
- Beginner Piano
- Guitar

Teacher Approval is required for... - Marching/Concert Band (Fulfills Physical Education Credit)

- Jazz Band

Piano

Join our award-winning Band or Renowned Jazz Band

Performances and after school practice are mandatory. It is highly recommended that students in teacherapproved coursework apply to the Magnet Program.

Theatre & Musical Theatre

Course Offerings:

- Theatre (Levels 1-2): Open to all students interested in acting, reading & writing plays.
- Musical Theatre: Open to all students interested in acting, singing, and dancing.
- Theatre Production (Magnet students only) This class requires an audition and is designed for students who want to participate in all aspects of Theatre... acting, set design, lighting, sound, and



After school rehearsal and performances may be required

even writing and directing your own show.

"All the world's a stage



W. Shakespeare

DEBATE

Public Speaking: Learn speech and writing techniques, give speeches, and learn to argue your opinion in a way that captures attention in a diplomatic manner. Pre-requisite for Debate.

Honors Debate/ Debate 1-3: Requires participation in competitions. If you believe your opinion matters and want to be able to share it, this is the class for you!



Humanities has joined the program to bring in innovation, depth, and expansion to add to what every writer needs most : a tool box that flows over with ideas.

Program Progression...

Westbury's Writing in the Program

Year 1 - Humanities I

Margins Magnet A look into writings and art forms from the past to view their of present and future.

Year 2 – Creative Writing

Writing in the Margins from multiple viewpoints: the short story, slideshow presentations, creation of a graphic novel, research and letters on social issues, the necessity and dilemma of modern advertising, etc., etc., etc.



Year 3 - Humanities II

Move the knowledge you have gained to the college level. Experience college while still in the safety of a familiar environment and build your college portfolio.

Year 4 - Writing Lab Take your skills and learn the techniques for helping others achieve success. Not only can this experience go on a college resume, it can go on a job resume. After a semester of theory and practice you move into the realm of tutor to students that are struggling and need your expert guidance and input.



Additional Elective Choices

Public Speaking / Debate

Humanities / Creative Writing

• Mariachi











Contact Information

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WHS Student Survey – Part 3

Complete ONLY the following questions:

- What language would you most like to learn?
- Will you be in the Westbury Magnet Program? If yes select your 1st and 2nd
 Magnet areas (your 2nd choice may be none).
- If you are not a Magnet Student or aren't sure you will select your 1st and 2nd choice areas for Fine Arts credit. No experience needed for any program.
- You may have room for an additional elective next year. Let us know what you would be most interested in taking.
- Tell us what HS credits you have already earned in middle school or select none.
- Share any comments you have about your schedule/course selections with us.
- Summer Speed Camp let us know if you want to come!
- Summer Bridge will be held between Aug 2 -13 Dates TBD. Let us know if you want more info!



WELCOME TO WESTBURY!