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

**English:** 4 credits
- English I
- English II
- English III
- English IV

**Math:** 4 credits
- Algebra I
- Geometry
- Algebra II
- Pre-calculus

**Science:** 4 credits
- Biology
- Chemistry
- Physics
- Environmental Science

**Social Studies:** 4 credits
- World Geography
- World History
- US History
- Government/Economics

**PE:** 1 credit

**Health:** 0.5 credit

**Fine Art:**
- 1 credit same fine art course

**Foreign Language:**
- 2 credits same language

**Electives:** 5.5 credits
- Includes CTE, magnet courses, and any additional course

**Pass STAAR EOC**
- English I
- Algebra I
- Biology
- English II
- US History

**Attend 90% of Classes**

**Endorsements:**
- STEM
- Business & Industry
- Public Service
- Arts and Humanities
- Multi-Disciplinary

**Performance Acknowledgements:**
- AP, SAT, PSAT, ACT tests
- Industry certification
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
- 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.

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

**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.

**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.

**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 Refrigerant and recovery recycling 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 ASE 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.
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.

**9th Grade/Year 1**
Principles of Business, Marketing, and Finance (1 Credit)

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

**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:

- **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

- **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:**
- a 1-credit course for students to research a real-world problem.
- The compiled findings will be presented to an audience that includes experts in the field.

### WEB DESIGN

**Class Description:**
- a 1-credit course that teaches HTML, CSS, and JavaScript.
- In this course you will design a personal web page.

### WEB GAME DEVELOPMENT

**Class Description:**
- 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.
**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
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
(rmaxey@houstonisd.org)

Athletic Coordinator
Darrel Colbert
(Darrel.Colbert@houstonisd.org)
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
--- | ---
Spanish 1-2 (Non-Native Speakers) | Levels 1-4
Spanish 1-2 (Native Speakers) | Pre-AP Spanish 3
Pre-AP Spanish 3 | AP Spanish Language
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.
DANCE

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 teacher-approved 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 even writing and directing your own show.

“All the world’s a stage...”
– W. Shakespeare

*After school rehearsal and performances may be required*
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...

**Year 1 - Humanities I**
A look into writings and art forms from the past to view their effects on the 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
Summer Speed Camp

Contact Information

Administrator
Robert Maxey
(rmaxey@houstonisd.org)

Athletic Coordinator
Darrel Colbert
(Darrel.Colbert@houstonisd.org)
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 1\textsuperscript{st} and 2\textsuperscript{nd} Magnet areas (your 2\textsuperscript{nd} choice may be none).
• If you are not a Magnet Student or aren’t sure – you will select your 1\textsuperscript{st} and 2\textsuperscript{nd} 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!