



Willis Independent School District

High School Course Catalog for 2024-2025

Table of Contents

Air Force JROTC

Aerospace Science and Leadership	1
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Career and Technical Education

CTE-Agriculture, Food, and Natural Resources	5
CTE-Architecture and Construction	11
CTE-Arts, A/V Technology, and Communications.....	13
CTE-Business Management and Administration	22
CTE-Career Development	24
CTE-Education and Training.....	24
CTE-Energy.....	25
CTE-Finance	26
CTE-Health Science	27
CTE-Hospitality and Tourism	30
CTE-Human Services	32
CTE-Information Technology	36
CTE-Law, Public Safety, Corrections, and Security	39
CTE-Manufacturing.....	42
CTE-Marketing	44
CTE-Science, Technology, Engineering, and Mathematics	46
CTE-Transportation, Distribution, and Logistics	51

Economics

Advanced Placement (AP) courses	53
Economics.....	53

English Language Arts

Advanced Placement (AP) courses	54
ELA/R - Additional High School Courses	54
English.....	63
For Speakers of Other Languages-SOL.....	65

Fine Arts

Advanced Placement (AP) courses	66
Art	66
Dance	69
Fine Arts.....	73
Music	73
Theatre	83

Health

Health	85
--------------	----

Languages Other Than English

Advanced Placement (AP) courses	85
Languages Other Than English.....	86

Table of Contents

Local Credit	89
Mathematics	
Advanced Placement (AP) courses	91
Mathematics.....	91
Other Electives	
Other Electives.....	97
Physical Education	
PE Substitution.....	98
Physical Education	98
Science	
Advanced Placement (AP) courses	111
Science.....	111
Social Studies	
Advanced Placement (AP) courses	115
Social Studies.....	115

Department: Air Force JROTC

Program: Aerospace Science and Leadership

JROTC CADET LEADERSHIP

WISD #: 6846000L TIER 2

Grades: 09-12 .5 Credit

Prerequisite: Approval - AFJROTC Instructor

Cadet Leadership Course (formerly Summer Leadership School and Leader Laboratory Activity) is a one-week long AFJROTC summer camp held on a university campus designed to teach responsibility, improve self-confidence, build self-discipline, develop leadership skills and strengthen character while using a strict, disciplined Air Force training format. Subjects taught are leadership, drill and ceremonies, physical training, character education, team building and attitude.

INCLUDED IN WGPA - N

Department: Air Force JROTC

Program: Aerospace Science and Leadership

JROTC CADET SENIOR STAFF

WISD #: 6845000L TIER 2

Grades: 09-12 1 Credit

Prerequisite: Approval – AFJROTC Instructor, enrolled in JROTC 2, 3 or 4 completed JROTC 1 (required) and JROTC 2 (preferred). Minimum unweighted GPA of 3.0 in previous JROTC courses and minimum overall weighted GPA of 3.5.

In addition to the regular AFJROTC coursework for their appropriate cadet year, Senior Staff cadets will complete assignments associated with their corps staff positions. The positions include the Special Asst. to the SASI, Cadet Corps Group Commander and Deputy, Squadron Commanders, and other staff administrative positions. Duty description and responsibilities are listed/updated in the Cadet Guide each year.

INCLUDED IN WGPA - N

Willis High School Course Catalog for 2024-2025

Department: Air Force JROTC

Program: Aerospace Science and Leadership

JROTC I

WISD #: 68410000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Approval - AFJROTC Instructor

A blended course designed to accommodate first, second, and third year cadets (i.e. JROTC 1, 2, & 3) in the same classroom. The goal is to promote citizenship, develop leadership skills and build self-discipline. It includes instruction in air and space fundamentals, drill and ceremonies, physical education, health, global studies and character education. The primary Aerospace Science study area in 2021-2022 is "The Science of Flight: A Gateway to New Horizons." This is an introductory course and customized textbook that focuses on how airplanes fly, how weather conditions affect flight, flight and the human body, and flight navigation. The course is designed to complement materials taught in math, physics, and other science-related courses and is aligned with the National Science Education Standards, the Math Standards and Expectations, and ISTE National Educational Technology Standards for Students. The primary study area for Leadership Education in 2021-2022 is "Communication, Awareness, and Leadership." This course stresses communications skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Other topics include drill and ceremonies, health/wellness and military traditions. Additionally, cadets will be taught the fundamentals of Drill and Ceremonies. This portion of the course concentrates on the elements of military drill, and describes individual and group precision movements, procedures for saluting, drill, ceremonies, reviews, parades, and development of the command voice. Students are provided detailed instruction on ceremonial performances and protocol for civilian and military events and have the opportunity to personally learn drill. Most of the work is to be hands-on. The Wellness/Physical Fitness portion of the course is an exercise program focused upon individual base line improvements. The goal is to motivate AFJROTC cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives. Cadets will be given the opportunity to put into practice the wellness concepts that are in Leadership Education. AFJROTC 1 is an elective credit that can be used to waive the P.E. requirement. Group activities include community service projects, military installation visits, Military Ball, Field Day, Awards Night and individual/team physical training activities. Additional activities may include Color Guard, Drill Team, Awareness Presentation Team, Model Rocket Team, Radio-Controlled Aircraft Team, PT Team and Academic Team (to name a few... list not all inclusive). Physical Education and/or general elective credit may be earned for successful completion of this JROTC course.

INCLUDED IN WGPA – Y*

Department: Air Force JROTC

Program: Aerospace Science and Leadership

JROTC II

WISD #: 68420000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Approval - AFJROTC Instructor

See JROTC I

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Air Force JROTC

Program: Aerospace Science and Leadership

JROTC III

WISD #: 68430000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Approval - AFJROTC Instructor

See JROTC I

INCLUDED IN WGPA – Y*

Department: Air Force JROTC

Program: Aerospace Science and Leadership

JROTC IV

WISD #: 68440000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Approval - AFJROTC Instructor, completed AFJROTC1, 2, & 3

A course designed for fourth and select third year cadets to lead/manage cadet corps activities. The cadets will lead the corps using an organizational structure similar to an active-duty Air Force Group. The Aerospace Science course, "Management of the Cadet Corps", consists of hands-on experience that affords cadets the opportunity to put the theories of previous leadership courses into practice. The cadets under the supervision of the Senior Aerospace Science Instructor and the Aerospace Science Instructor will do all the planning, organizing, coordinating, directing, controlling, and decision making. They practice their communication, decision-making, personal-interaction, managerial, and organization skills. The leadership Education course, "Fundamentals of Management", is a course that provides exposure to the fundamentals of management. The text contains many leadership topics that will benefit students as well as provide them with some of the necessary skills needed to put into practice what they have learned during their time in AFJROTC. The Wellness/Physical Fitness portion is an exercise program focused upon individual base line improvements. The goal is to motivate JROTC cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives. Cadets will be given the opportunity to put into practice the wellness concepts that are taught in Leadership Education. Group activities include community service projects, military installation visits, Military Ball, Field Day, Awards Night and individual/team physical training activities. Additional activities may include Color Guard, Drill Team, Awareness Presentation Team, Model Rocket Team, Radio-Controlled Aircraft Team, PT Team and Academic Team (to name a few... list not all inclusive).

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

ADVANCED ANIMAL SCIENCE

WISD #: 7016000C

TIER 2

Grades: 09-12

1 Credit

Prerequisite: AFNR Pathway / 12th grade only

This course is designed to prepare students in the field of animal science, attain knowledge of animal species such as cattle, swine, sheep and goats. It will introduce students to industry standards, career opportunities and entry requirements.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES

WISD #: 7011000C TIER 2

Grades: 09-12 1 Credit

Prerequisite: \$30 lab fee required

This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques.

(\$30 lab fee required)

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

AGRICULTURAL POWER SYSTEMS

WISD #: 7012000C TIER 2

Grades: 10-12 2 Credit

Prerequisite: Principles of AFNR or Principles of Construction or Principles of Manufacturing; \$25 lab fee required

This course is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery. (\$25 lab fee required)

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

AGRICULTURAL STRUCTURES DESIGN AND FABRICATION

WISD #: 7013000C TIER 2

Grades: 10-12 1 Credit

Prerequisite: Agricultural Mechanics and Metal Technologies; \$30 shop fee

In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings.

(\$30 shop fee required)

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

EQUINE SCIENCE

WISD #: 7014000C TIER 2

Grades: 10-12 .5 Credit

Prerequisite: Principles of AFNR or 11th-12th grade

To be prepared for careers in the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

FLORAL DESIGN

WISD #: 7023000C

TIER 2

Grades: 10-12

1 Credit

Prerequisite: Principles of Agriculture, Food and Natural Resources

To be prepared for careers in floral design, students need to attain academic skills and knowledge as well as technical knowledge and skills related to horticultural systems and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

FORESTRY AND WOODLAND ECOSYSTEMS

WISD #: 7190000C

TIER 2

Grades: 10-12

1 Credit

Prerequisite: Principles of AFNR or 11th-12th grade

Forestry and Woodland Ecosystems examines current management practices for forestry and woodlands. Special emphasis is given to management as it relates to ecological requirements and how these practices impact the environment. To prepare for careers in natural resource systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

GREENHOUSE OPERATION AND PRODUCTION

WISD #: 7028000C

TIER 2

Grades: 10-12

1 Credit

Prerequisite: Principles of AFNR or 11th-12th grade

Greenhouse Operation and Production is designed to develop an understanding of greenhouse production techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

HORTICULTURAL SCIENCE

WISD #: 7022000C

TIER 2

Grades: 10-12

1 Credit

Prerequisite: Principles of AFNR or 11th-12th grade

To be prepared for careers in horticultural systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to horticulture and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

LANDSCAPE DESIGN AND MANAGEMENT

WISD #: 7185000C

TIER 2

Grades: 10-12

.5 Credit

Prerequisite: Principles of AFNR or 11th-12th grade

Landscape Design and Management is designed to develop an understanding of landscape design and management techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

PRACTICUM IN AGRICULTURE, FOOD, AND NATURAL RESOURCES (FIRST TIME TAKEN)

WISD #: 7027000C

TIER 2

Grades: 12

2 Credit

Prerequisite: 12th grade only; Application; Completed approved advanced classes in one of the AFNR Pathways

The practicum is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES

WISD #: 7009000C

TIER 2

Grades: 09-10

1 Credit

Prerequisite: Must be in grades 9 -10

This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

Agribusiness Management and Marketing

WISD #: 740100C TIER 2

Grades: 09-12 1 Credit

Prerequisite: Principles of Agriculture, Food, and Natural Resources

Agribusiness Management and Marketing is designed to provide a foundation to agribusiness management and the free enterprise system. Instruction includes the use of economic principles such as supply and demand, budgeting, record keeping, finance, risk management, business law, marketing, and careers in agribusiness. To prepare for careers in agribusiness systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to agribusiness marketing and management and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

Livestock Production

WISD #: 701000C TIER 2

Grades: 09-12 1 Credit

Prerequisite: Principles of Agriculture, Food, and Natural Resources

In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

RANGE ECOLOGY AND MANAGEMENT

WISD #: 702000C TIER 2

Grades: 11-12 1 Credit

Prerequisite: Principles of AFNR or 11th-12th grade – Wildlife, Fisheries and Ecology Management

This course is designed to develop students' understanding of rangeland ecosystems and sustainable forage production. **INCLUDED IN WGPA – Y***

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

SMALL ANIMAL MANAGEMENT

WISD #: 7015000C TIER 2

Grades: 10-12 .5 Credit

Prerequisite: Principles of AFNR or 11th-12th grade

To be prepared for careers in the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

TURF GRASS MANAGEMENT

WISD #: 7180000C TIER 2

Grades: 10-12 .5 Credit

Prerequisite: Principles of AFNR or 11th-12th grade

Turf Grass Management is designed to develop an understanding of turf grass management techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

VETERINARY MEDICAL APPLICATIONS

WISD #: 7017000C TIER 2

Grades: 11-12 1 Credit

Prerequisite: Principles of AFNR or Biology I; Equine Science, Small Animal Management; approved Vet Tech Application

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Must be approved by an application.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT

WISD #: 7018000C TIER 2

Grades: 10-12 1 Credit

Prerequisite: Principles of AFNR or 11th-12th grade; \$15 fee for certification

This course examines the management of game and non-game wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices. Hunter's Safety Education will be taught. (\$15 fee for certification)

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education
Program: Architecture and Construction Cluster
ARCHITECTURAL DESIGN II

WISD #: 7039000C **TIER 2**
Grades: 11-12 **2 Credit**

Prerequisite: Architectural Design I

In Architectural Design II, students will gain advanced knowledge and skills needed to enter a career in architecture or construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, or landscape architecture. Architectural Design II includes the advanced knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for nonresidential or residential architectural purposes.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education
Program: Architecture and Construction Cluster
Practicum in Architectural Design

WISD #: 7043000C **TIER 2**
Grades: 12 **2 Credit**

Prerequisite: Architectural Design II

Practicum in Architectural Design is an occupationally specific course designed to provide technical instruction in architectural design. Safety and career opportunities are included in addition to work ethics and architectural design study.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education
Program: Architecture and Construction Cluster
CONSTRUCTION TECHNOLOGY I

WISD #: 7032000C **TIER 2**
Grades: 10-12 **2 Credit**

Prerequisite: Principle of Construction; \$30 shop fee required

Introduction: In Construction Technology, students gain knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. (\$30 shop fee)

INCLUDED IN WGPA – Y*

Department: Career and Technical Education
Program: Architecture and Construction Cluster
CONSTRUCTION TECHNOLOGY II

WISD #: 7033000C **TIER 2**
Grades: 11-12 **2 Credit**

Prerequisite: Construction Technology I; \$30 shop fee required

Introduction in Advanced Construction Technology, students gain advanced knowledge and skills specific to those needed to enter the work force as carpenters, building maintenance technicians, or supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students build on the knowledge base from Construction Technology and are introduced to exterior and interior finish out skills. (\$30 shop fee)

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Architecture and Construction Cluster

HEATING, VENTILATION, AND AIR CONDITIONING (HVAC) AND REFRIGERATION TECHNOLOGY I

WISD #: 7037000C

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

In Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology, students gain knowledge and skills specific to those needed to enter the industry as technicians in the HVAC and refrigeration industry or building maintenance technician or supervisor or prepare for a postsecondary degree. Students acquire knowledge and skills in safety, principles of HVAC theory, tools, codes, and installation of HVAC and refrigeration equipment.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Architecture and Construction Cluster

INTERIOR DESIGN I

WISD #: 7035000C

TIER 2

Grades: 10-12

1 Credit

Prerequisite: Algebra I, English I

This technical laboratory course focuses on the design of residential and nonresidential interiors to improve the well being of the occupant. Application of the interior design process will be carried out through practical projects.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Architecture and Construction Cluster

INTERIOR DESIGN II

WISD #: 7036000C

TIER 2

Grades: 11-12

2 Credit

Prerequisite: Interior Design I, English II, Geometry

Advanced Interior Design will expand on the principles taught in Interior Design and delve deeper into the careers available and develop a professional multimedia portfolio.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Architecture and Construction Cluster

PLUMBING TECHNOLOGY I

WISD #: 7411000C

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

In Plumbing Technology I, students will gain knowledge and skills needed to enter the industry as a plumbing apprentice, building maintenance technician, or supervisor or prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in industry workplace basics and employer/customer expectations, including how to use a plumbing code book; how to identify and use power and hand tools; how to be safe on the jobsite and when using hand and power tools; how to apply basic plumbing mathematics and plumbing drawing; and how to identify, fit, and use plastic, copper, cast iron, carbon steel, and corrugated stainless steel pipe. In addition, students will be introduced to gas, drainage, and water supply systems and continue their knowledge of workplace basics and green technologies.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Architecture and Construction Cluster

PRACTICUM IN CONSTRUCTION TECHNOLOGY (FIRST TIME TAKEN)

WISD #: 7029000C

TIER 2

Grades: 12

2 Credit

Prerequisite: Construction Technology II; \$30 shop fee required

In Practicum in Construction Technology, students will be challenged with the application of knowledge and skills gained in previous construction-related coursework. In many cases students will be allowed to work at a job (paid or unpaid) outside of school or be involved in local projects the school has approved for this class. (\$30 shop fee)

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Architecture and Construction Cluster

PRINCIPLES OF ARCHITECTURE

WISD #: 7031000C

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

Introduction: Principles of Architecture provides an overview to the various fields of architecture, interior design, construction science, and construction technology.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Architecture and Construction Cluster

PRINCIPLES OF CONSTRUCTION

WISD #: 7030000C

TIER 2

Grades: 09-12

1 Credit

Prerequisite: \$30 shop fee required

Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. (\$30 shop fee)

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

Animation I

WISD #: 7311000C

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

Careers in animation span all aspects of motion graphics. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the history and techniques of the animation industry.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

Animation II

WISD #: 7312000C

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Animation I

Careers in animation span all aspects of motion graphics. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to create two- and three-dimensional animations. The instruction also assists students seeking careers in the animation industry.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

PRACTICUM IN ANIMATION

WISD #: 7313000C

TIER 2

Grades: 11-12

2 Credit

Prerequisite: Animation II

Careers in animation span all aspects of the arts, audio/video technology, and communications industry. Building upon the concepts taught in Animation II, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production animation products in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

INCLUDED IN WGPA – N

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

3-D MODELING AND ANIMATION

WISD #: 72020000

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

Through the study of the six strands in technology applications, students will develop college readiness skills applied to technology, including terminology, concepts, and strategies. Students will learn to make informed decisions about technologies and their applications. Students will learn the efficient acquisition of information using search strategies and the use of technology to access, analyze, and evaluate acquired information. By using technology as a tool that supports the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate results. Students will communicate information in different formats and to diverse audiences using a variety of technologies. Students will analyze and evaluate the results.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

AUDIO/VIDEO PRODUCTION I

WISD #: 7005000C

TIER 2

Grades: 10-12

1 Credit

Prerequisite: Principle of Arts, A/V Technology and Communications or Digital Media

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video products. After school activity attendance required.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

AUDIO/VIDEO PRODUCTION I/AUDIO/VIDEO PRODUCTION I LAB

WISD #: 700500CP

TIER 2

Grades: 10-12

2 Credit

Prerequisite: Principle of Arts, A/V Technology and Communications or Digital Media

A lab corequisite for the course affords necessary time devoted specifically to the production and post-production process.

After school activity attendance required.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

AUDIO/VIDEO PRODUCTION II

WISD #: 7006000C

TIER 2

Grades: 11-12

1 Credit

Prerequisite: Audio/Video Production I - grades 11-12

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production products. This course may be implemented in an audio format or a format with both audio and video. After school activity attendance required.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

AUDIO/VIDEO PRODUCTION II/AUDIO/VIDEO PRODUCTION II LAB

WISD #: 700600PC

TIER 2

Grades: 11-12

2 Credit

Prerequisite: Audio/Video Production I; approved application; grades 11-12

A lab corequisite for the course affords necessary time devoted specifically to the production and post-production process. After school activity attendance required.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

COMMERCIAL PHOTOGRAPHY I

WISD #: 7007000C TIER 2

Grades: 10-12 1 Credit

Prerequisite: Materials Required: DSLR (Digital Single Lens Reflex) Camera with manual and automatic settings, in regards to aperture, shutter speed, ISO, and; approved application. Must be in grades 10 - 12

Careers in commercial photography require skills that span all aspects of the industry from setting up a shot to delivering products in a competitive market. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

COMMERCIAL PHOTOGRAPHY I/COMMERCIAL PHOTOGRAPHY I LAB

WISD #: 700700PC TIER 2

Grades: 10-12 2 Credit

Prerequisite: Grades 10-12; approved application; Materials required: DSLR (Digital Single Lens Reflex) Camera with manual and automatic settings, in regards to aperture, shutter speed, and ISO

Careers in commercial photography require skills that span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

COMMERCIAL PHOTOGRAPHY II

WISD #: 7008000C TIER 2

Grades: 10-12 1 Credit

Prerequisite: Commercial Photography I

Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

COMMERCIAL PHOTOGRAPHY II/COMMERCIAL PHOTOGRAPHY II LAB

WISD #: 700800PC

TIER 2

Grades: 10-12

2 Credit

Prerequisite: Commercial Photography I; approved application

Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

DIGITAL AUDIO TECHNOLOGY I

WISD #: 7001000C

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

Digital Audio Technology I was designed to provide students interested in audio production careers such as audio for radio and television broadcasting, audio for video and film, audio for animation and game design, music production and live sound, and additional opportunities and skill sets. Digital Audio Technology I does not replace Audio Video Production courses but is recommended as a single credit, co-curricular course with an audio production technical emphasis. This course can also be paired with Digital Media. Students will be expected to develop an understanding of the audio industry with a technical emphasis on production and critical-listening skills.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

DIGITAL AUDIO TECHNOLOGY II

WISD #: 6999000C

TIER 2

Grades: 10-12

1 Credit

Prerequisite: Digital Audio Technology I

Digital Audio Technology II was designed to provide additional opportunities and skill sets for students interested in audio production careers such as audio for radio and television broadcasting, audio for video and film, audio for animation and game design, and music production and live sound. Digital Audio Technology II does not replace Audio Video Production courses but is recommended as a single credit, co-curricular course with an audio production technical emphasis. This course can also be paired with Digital Media. Students will be expected to develop an understanding of the audio industry with a technical emphasis on production and critical-listening skills.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

FASHION DESIGN I

WISD #: 7003000C

TIER 2

Grades: 10-12

1 Credit

Prerequisite: Principles of Arts, Audio/Video Technology and Communications, or Principles of Human Services

Students will develop skills necessary for a career in fashion, fashion design, fashion retail sales and management. Sewing and designing are a large part of this laboratory course.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

FASHION DESIGN I/FASHION DESIGN I LAB

WISD #: 700300PC

TIER 2

Grades: 10-12

2 Credit

Prerequisite: Principles of Arts, Audio/Video Technology and Communications, or Principles of Human Services

Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the fashion industry with an emphasis on design and construction.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

FASHION DESIGN II

WISD #: 7004000C

TIER 2

Grades: 11-12

1 Credit

Prerequisite: Fashion Design I

Students will be expected to develop an advanced understanding of fashion, with emphasis on design and production. Students will develop complex skills necessary for a career in fashion, fashion design, fashion retail sales and management.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

PRACTICUM IN FASHION DESIGN

WISD #: 7206000C

TIER 2

Grades: 11-12

2 Credit

Prerequisite: Fashion Design II

Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced technical understanding of the business aspects of fashion, with emphasis on promotion and retailing. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

FASHION DESIGN II/FASHION DESIGN II LAB

WISD #: 700400PC TIER 2

Grades: 11-12 2 Credit

Prerequisite: Fashion Design I

Students will be expected to develop an advanced understanding of fashion, with emphasis on design and production. Students will develop complex skills necessary for a career in fashion, fashion design, fashion retail sales and management.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

GRAPHIC DESIGN AND ILLUSTRATION I

WISD #: 7320000C TIER 2

Grades: 10-12 1 Credit

Prerequisite: 1 Credit from level 1 D&MA (principal arts A/V, Video game, DIM)

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

GRAPHIC DESIGN AND ILLUSTRATION II

WISD #: 7321000C TIER 2

Grades: 10-12 1 Credit

Prerequisite: Graphic Design and Illustration I

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on fundamental elements and principles of visual art and design.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

PRACTICUM IN AUDIO/VIDEO PRODUCTION (FIRST TIME TAKEN)

WISD #: 7038000C

TIER 2

Grades: 12

2 Credit

Prerequisite: Audio/Video Production II

Careers in audio/video production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production II and its corequisite Audio/Video Production II Lab, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment. This course may be implemented in an advanced audio/video or audio format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

PRACTICUM IN COMMERCIAL PHOTOGRAPHY (FIRST TIME TAKEN)

WISD #: 7330000C

TIER 2

Grades: 10-12

2 Credit

Prerequisite: Commercial Photography II

Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION (FIRST TIME TAKEN)

WISD #: 7322000C

TIER 2

Grades: 10-12

2 Credit

Prerequisite: Graphic Design and Illustration II

Careers in graphic design and illustration span all aspects of the advertising and visual communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS

WISD #: 7002000C

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Grades 9-10

This course develops communication skills in professional and social contexts. Students will create and evaluate formal and informal professional presentations using audio/visual technologies. Flash Drive storage device required for course – 2 GB Minimum.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

VIDEO GAME DESIGN

WISD #: 7074000C

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

Video Game Design will allow students to explore one of the largest industries in the global marketplace and the new emerging careers it provides in the field of technology. Students will learn gaming, computerized gaming, evolution of gaming, artistic aspects of perspective, design, animation, technical concepts of collision theory, and programming logic. Students will participate in a simulation of a real video game design team while developing technical proficiency in constructing an original game design.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Arts, A/V Technology, and Communications Cluster

WEB GAME DEVELOPMENT

WISD #: 7078000C

TIER 2

Grades: 11-12

1 Credit

Prerequisite:

The student is expected to: research, evaluate, and create web forms for database processing; identify the various programming languages and differentiate among the available web programming languages; research, evaluate, and summarize content management systems (CMS); differentiate between Common Gateway Interface (CGI) and computer-generated imagery (CGI); discuss, analyze, and summarize streaming media/content and game broadcasting; define and evaluate instant messaging (IM) within a game environment; analyze and discuss the history of gaming; discuss, analyze, compare, and contrast game types such as action, action-adventure, adventure, construction and management simulation, life simulation, massively multiplayer online role-playing (MMORPG), music, party, puzzle, role-playing, sports, strategy, trivia, and vehicle simulation; discuss, analyze, compare, and contrast gaming hardware, including console, personal computer, mobile, and web; compare and contrast web standards versus browser-specific languages; research, evaluate, and summarize e-commerce; investigate career opportunities in programming, gaming, art, design, business, and marketing; research the characteristics of existing gaming websites to determine local, state, national, and global trends; compare and contrast historical and contemporary styles of art as applied to website development; compare and contrast the use of the art elements of color, texture, form, line, space, and value and the art principles of emphasis, pattern, rhythm, balance, proportion, and unity in personal web game artwork and the web game artwork of others, using vocabulary accurately; describe general characteristics in artwork from a variety of cultures that influence web game design; research and evaluate emerging technologies; and research and evaluate augmented reality (the supplementing of reality with computer-generated imagery) such as heads-up display and virtual digital projectors. **INCLUDED IN WGPA – Y***

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Business Management and Administration Cluster

BUSINESS ENGLISH

WISD #: 7080000C TIER 2

Grades: 12 1 Credit

Prerequisite: Touch Systems Data Entry

Students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students apply technical skills to address application of emerging technologies. Students enhance reading, writing, computing, communication, and basis. Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English and produce final, error-free drafts for business reproduction.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Business Management and Administration Cluster

BUSINESS INFORMATION MANAGEMENT I

WISD #: 7082000C TIER 2

Grades: 09-12 1 Credit

Prerequisite:

Curriculum focuses on word processing, spreadsheets, databases, desktop publishing, presentation management, and emerging technologies. A 2GB minimum USB (flash drive) is required for this course to be left with the teacher.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Business Management and Administration Cluster

BUSINESS INFORMATION MANAGEMENT II

WISD #: 7085000C TIER 2

Grades: 09-12 1 Credit

Prerequisite: Business Information Management I

Curriculum focuses on workplace technology standards with Advanced applications of word processing, spreadsheets, databases, desktop publishing, presentation management, operating systems, and emerging technologies. A 2GB minimum USB Drive is required for this course to be left with the teacher. This course assists students in preparing for Microsoft Application Specialist Certification.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Business Management and Administration Cluster

BUSINESS LAW

WISD #: 7083000C TIER 2

Grades: 10-12 1 Credit

Prerequisite: Principles of Business, Marketing and Finance

Students analyze the social responsibility of business and industry regarding the significant issues relating to the legal environment, business ethics, torts, contracts, negotiable financial instruments, personal property, sales, warranties, business organizations, concept of agency and employment, and real property.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Business Management and Administration Cluster

BUSINESS MANAGEMENT

WISD #: 7086000C

TIER 2

Grades: 10-12

1 Credit

Prerequisite:

Students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students analyze the primary functions of management and leadership, which are planning, organizing, staffing, directing or leading, and controlling. Topics will incorporate social responsibility of business and industry.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Business Management and Administration Cluster

PRACTICUM IN BUSINESS MANAGEMENT

WISD #: 7099000C

TIER 2

Grades: 11-12

2 Credit

Prerequisite:

Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

INCLUDED IN WGPA – N

Department: Career and Technical Education

Program: Business Management and Administration Cluster

PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE

WISD #: 7081000C

TIER 2

Grades: 09-11

1 Credit

Prerequisite: \$20 DECA fee

Students gain knowledge and skills in economics and private enterprise systems, impact of global business, marketing of goods and services, finance, advertising and pricing. *A 4G flash drive is required and \$20 DECA fee.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Business Management and Administration Cluster

TOUCH SYSTEM DATA ENTRY

WISD #: 7079000C TIER 2

Grades: 09-12 .5 Credit

Prerequisite:

Students apply technical skills to address business application of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students will need to apply to touch data system entry for production of business documents.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Business Management and Administration Cluster

VIRTUAL BUSINESS

WISD #: 7084000C TIER 2

Grades: 10-12 .5 Credit

Prerequisite: Principles of Business, Marketing, and Finance /11th or 12th grade

Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Career Development

CAREER PREPARATION I

WISD #: 7150000C TIER 2

Grades: 11-12 2 Credit

Prerequisite: Approved Application

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Curriculum is designed to enhance communication and interpersonal skills. Students are required to work a minimum of 15 hours per week at an approved training site. This course is designed to assist students seeking career experience in industrial trades, communications, agriculture sciences, business and/or office careers.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Career Development

CAREER PREPARATION II

WISD #: 7151000C TIER 2

Grades: 12 2 Credit

Prerequisite: Approved Application

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Curriculum is designed to enhance communication and interpersonal skills. Students are required to work a minimum of 15 hours per week at an approved training site. This course is designed to assist students seeking career experience in industrial trades, communications, agriculture sciences, business and/or office careers.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Education and Training Cluster

HUMAN GROWTH AND DEVELOPMENT

WISD #: 7133000C TIER 2

Grades: 10-12 1 Credit

Prerequisite: Principles of Education and Training or Principles of Human Services or Principles of Health Science
Students will study human development across the lifespan with emphasis upon research, theory, and common physical, cognitive, emotional, and social developmental milestones.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Education and Training Cluster

INSTRUCTIONAL PRACTICES

WISD #: 7132000C TIER 2

Grades: 10-12 2 Credit

Prerequisite: Principles of Education and Training and Human Growth and Development. Must have own transportation to and from internship site.

Students will be active in a field-based internship. Students work under the joint direction of both an early childhood education teacher and exemplary educators in direct instructional roles with elementary, middle school, and high school- aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials and develop materials for a variety of educational environments.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Education and Training Cluster

PRACTICUM IN EDUCATION AND TRAINING (FIRST TIME TAKEN)

WISD #: 7134000C TIER 2

Grades: 09-12 2 Credit

Prerequisite: Instructional Practices

Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Education and Training Cluster

PRINCIPLES OF EDUCATION AND TRAINING

WISD #: 7131000C TIER 2

Grades: 09-12 1 Credit

Prerequisite:

Students will be introduced to the various careers available within the education and training career cluster. Students will analyze and develop skills specific for various careers within the education and training career cluster.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Energy

OIL AND GAS PRODUCTION I

WISD #: 7170000C TIER 2

Grades: 09-12 1 Credit

Prerequisite: 10th-12th grader

In Oil and Gas Production I, students will identify specific career opportunities and skills, abilities, tools, certification, and safety measures associated with each career. Students will also understand components, systems, equipment, and production and safety regulations associated with oil and gas wells. To prepare for careers in oil and gas production, students must attain academic skills and knowledge, acquire technical knowledge and skills related to oil and gas production and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Energy

OIL AND GAS PRODUCTION II

WISD #: 7171000C TIER 2

Grades: 11-12 1 Credit

Prerequisite: Oil and Gas Production I

In Oil and Gas Production II, students will gain knowledge of the specific requirements for entry into post-secondary education and employment in the petroleum industry; research and discuss petroleum economics; research and discuss the modes of transportation in the petroleum industry; research and discuss environmental, health, and safety concerns; research and discuss different energy sources; and prepare for industry certification. To prepare for careers in oil and gas production, students must attain academic skills and knowledge, acquire technical knowledge and skills related to oil and gas production and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Finance Cluster

ACCOUNTING I

WISD #: 7092000C TIER 2

Grades: 10-12 1 Credit

Prerequisite:

Students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Finance Cluster

ACCOUNTING II

WISD #: 7093000C TIER 2

Grades: 11-12 1 Credit

Prerequisite: Accounting I

Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Finance Cluster

FINANCIAL MATHEMATICS

WISD #: 7095000C TIER 2

Grades: 10-12 1 Credit

Prerequisite: Algebra I

Financial Mathematics is a course about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Finance Cluster

MONEY MATTERS

WISD #: 7096000C TIER 2

Grades: 10-12 1 Credit

Prerequisite:

Students will investigate global economics with emphasis on the free enterprise system and its impact on consumers and businesses. Students apply critical-thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to set long-term financial goals based on those options. Student will determine methods of achieving long-term financial goals through investment, tax planning, asset allocation, risk management, retirement planning, and estate planning.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Finance Cluster

STATISTICS AND BUSINESS DECISION MAKING

WISD #: 7094000C TIER 2

Grades: 10-12 1 Credit

Prerequisite: Algebra II

Students will use a variety of graphical and numerical techniques to analyze patterns and departures from patterns to identify and manage risk that could impact an organization. Students will use probability as a tool for anticipating and forecasting data within business models to make decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are accurate.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Finance Cluster

Insurance Operations

WISD #: 7128000C TIER 2

Grades: 09-12 1 Credit

Prerequisite:

In Insurance Operations, students will understand the laws and regulations in order to manage business operations and transactions in the insurance industry.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Health Science Cluster

ANATOMY AND PHYSIO DUAL CREDIT

WISD #: 71060D0C TIER 1

Grades: 09-12 1 Credit

Prerequisite: English 3

A study of the structure and function of the human body. Emphasis will be given to the study of cells and tissues and anatomical and physiological interrelationships of the integumentary, skeletal, muscular, and nervous systems.

Designated primarily for students entering health careers. (Course fee: \$96).

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Health Science Cluster

ANATOMY AND PHYSIOLOGY

WISD #: 7106000C TIER 2

Grades: 11-12 1 Credit

Prerequisite: Biology and 2nd Science Credit

Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Health Science Cluster

HEALTH SCIENCE THEORY

WISD #: 7100000C TIER 2

Grades: 11-12 1 Credit

Prerequisite: Biology and Principles of Health Science

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Health Science Cluster

HEALTH SCIENCE THEORY/HEALTH SCIENCE CLINICAL

WISD #: 7102000C TIER 2

Grades: 11-12 2 Credit

Prerequisite: Principles of Health Science

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development. Students will learn the roles of the medical workplace. Students will be off campus for clinical rotations for part of this class.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Health Science Cluster

MEDICAL TERMINOLOGY

WISD #: 7109000C TIER 2

Grades: 09-12 1 Credit

Prerequisite:

The Medical Terminology course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Health Science Cluster

PHARMACOLOGY

WISD #: 7107000C TIER 2

Grades: 11-12 1 Credit

Prerequisite: Biology & Chemistry; Principles of Health Science; 11th or 12th grade

The Pharmacology course is designed to study how natural and synthetic chemical agents such as drugs affect biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care. It is an ever changing, growing body of information that continually demands greater amounts of time and education from health care workers. This is the class to take during the junior year for those considering going into Pharmacy Tech.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Health Science Cluster

PRACTICUM IN HEALTH SCIENCE

WISD #: 7105000C TIER 2

Grades: 12 2 Credit

Prerequisite: Health Science Theory/Health Science Clinical, Biology

The Practicum in Health Science course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Willis High School offers practicum experiences in Certified Nursing Assistant, Certified Clinical Medical Assistant, Pharmacy Technician, and Emergency Medical Technician.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Health Science Cluster

PRINCIPLES OF HEALTH SCIENCE

WISD #: 7101000C TIER 2

Grades: 09-12 1 Credit

Prerequisite:

Course designed to develop health care specific knowledge and skills in effective communications, ethical and legal responsibilities, client care, safety, and first aid. Curriculum prepares student for the transition to clinical or work based experience in health care and meets National Health Care Standards.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Hospitality and Tourism Cluster

ADVANCED CULINARY ARTS

WISD #: 7053000C TIER 2

Grades: 11-12 2 Credit

Prerequisite: Culinary Arts; \$40 lab fee plus students must purchase a chef hat/coat/apron

Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by in-depth instruction of industry- driven standards in order to prepare students for success in higher education, certifications, and/or immediate employment. \$40 lab fee plus students must purchase a chef hat/coat/apron.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Hospitality and Tourism Cluster

CULINARY ARTS

WISD #: 7051000C TIER 2

Grades: 10-12 2 Credit

Prerequisite: Recommended: Introduction to Culinary Arts or Principles of Hospitality and Tourism; \$40 lab fee plus students must purchase a chef hat/coat/apron

Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification or other appropriate industry certifications. This course is offered as a laboratory-based course. \$40 lab fee plus students must purchase a chef hat/coat/apron.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Hospitality and Tourism Cluster

FOOD SCIENCE

WISD #: 7054000C TIER 2

Grades: 11-12 1 Credit

Prerequisite: Three units of science, including chemistry and biology

In Food Science students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Hospitality and Tourism Cluster

HOTEL MANAGEMENT

WISD #: 7056000C TIER 2

Grades: 10-12 1 Credit

Prerequisite: Principles of Hospitality and Tourism

Hotel Management focuses on the knowledge and skills needed to pursue staff and management positions available in the hotel industry. This in-depth study of the lodging industry includes departments within a hotel such as front desk, food and beverage, housekeeping, maintenance, human resources, and accounting. This course will focus on, but not be limited to, professional communication, leadership, management, human resources, technology, and accounting.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Hospitality and Tourism Cluster

INTRODUCTION TO CULINARY ARTS

WISD #: 7052000C TIER 2

Grades: 09-12 1 Credit

Prerequisite:

Introduction to Culinary Arts will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide insight into food production skills, various levels of industry management, and hospitality skills. This is an entry level course for students interested in pursuing a career in the food service industry. This course is offered as a classroom and laboratory-based course.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Hospitality and Tourism Cluster

PRACTICUM IN CULINARY ARTS (FIRST TIME TAKEN)

WISD #: 7055000C TIER 2

Grades: 12 2 Credit

Prerequisite: Advanced Culinary Art

Practicum in Culinary Arts is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Hospitality and Tourism Cluster

PRINCIPLES OF HOSPITALITY AND TOURISM

WISD #: 7050000C TIER 2

Grades: 09-12 1 Credit

Prerequisite:

Principles of Hospitality and Tourism introduces students to an industry that encompasses lodging, travel and tourism, recreation, amusements, attractions, and food/beverage operations. Students learn knowledge and skills focusing on communication, time management, and customer service that meet industry standards. Students will explore the history of the hospitality and tourism industry and examine characteristics needed for success in that industry.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Human Services Cluster

CHILD DEVELOPMENT

WISD #: 7112000C TIER 2

Grades: 10-12 1 Credit

Prerequisite: Principles of Human Services or Principles of Health Science

Students will explore a child's growth and development from prenatal through school-age, and equip students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Human Services Cluster

CHILD GUIDANCE

WISD #: 7112000C TIER 2

Grades: 11-12 2 Credit

Prerequisite: Child Development

Students will apply skills related to children's growth and guidance; equip students to develop positive relationships with children and build caregiver skills. Students use these skills to promote the well-being and healthy development of children, and pursue careers related to the care, guidance, and education of children, including those with special needs.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Human Services Cluster

PRACTICUM IN EARLY LEARNING

WISD #: 7113000C TIER 2

Grades: 12 2 Credit

Prerequisite: Child Guidance

Practicum in Early Learning is a field-based internship that provides students background knowledge of child and adolescent Development principals as well as principles of effective teaching and training practices. Students in the course work under the Joint direction and supervision of both a teacher with knowledge of early childhood and exemplary education in direct Instructional roles with early childhood students. Students learn to plan and direct individualized instruction and group Activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other Responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel.

INCLUDED IN WGPA – N

Department: Career and Technical Education

Program: Human Services Cluster

Practicum in Human Services

WISD #: 7117000C TIER 2

Grades: 12 2 Credit

Prerequisite: Child Guidance

Practicum in Human Services provides background knowledge and occupation-specific training that focuses on the development of consumer services, early childhood development and services, counseling and mental health services, and family and community-services careers. Content for Practicum in Human Services is designed to meet the occupational preparation needs and interests of students and should be based upon the knowledge and skills selected from two or more courses in a coherent sequence in the human services cluster.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Human Services Cluster

COSMETOLOGY I

WISD #: 7161000C TIER 2

Grades: 09-12 2 Credit

Prerequisite: Recommended: Introduction to Cosmetology; \$25 license fee; \$525 Lab kit fee

In Cosmetology I, students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation (TDLR) requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included. \$25 license fee; \$525 Lab Kit fee.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Human Services Cluster

COSMETOLOGY I/COSMETOLOGY I LAB

WISD #: 716100PC TIER 2

Grades: 10-11 3 Credit

Prerequisite: Recommended: Introduction to Cosmetology; \$25 license fee; \$525 Lab kit fee

In Cosmetology I, students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation (TDLR) requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included. \$25 license fee; \$525 Lab Kit fee.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Human Services Cluster

COSMETOLOGY II

WISD #: 7162000C TIER 2

Grades: 11-12 2 Credit

Prerequisite: Cosmetology I; \$325 Lab kit fee

In Cosmetology II, students will demonstrate proficiency in academic, technical, and practical knowledge and skills. The content is designed to provide the occupational skills required for licensure. Instruction includes advanced training in professional standards/employability skills; Texas Department of Licensing and Regulation (TDLR) rules and regulations; use of tools, equipment, technologies and materials; and practical skills. \$325 Lab Kit Fee.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Human Services Cluster

COSMETOLOGY II/COSMETOLOGY II LAB

WISD #: 716200PC TIER 2

Grades: 11-12 3 Credit

Prerequisite: Cosmetology I; \$325 Lab kit fee

In Cosmetology II, students will demonstrate proficiency in academic, technical, and practical knowledge and skills. The content is designed to provide the occupational skills required for licensure. Instruction includes advanced training in professional standards/employability skills; Texas Department of Licensing and Regulation (TDLR) rules and regulations; use of tools, equipment, technologies and materials; and practical skills. \$325 Lab Kit Fee.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Human Services Cluster

COUNSELING AND MENTAL HEALTH

WISD #: 7108000C TIER 2

Grades: 11-12 1 Credit

Prerequisite: 2 Credits from Family & Community Services

In Counseling and Mental Health, students model the knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. Students are expected to apply knowledge of ethical and legal responsibilities, limitations, and the implications of their actions. Professional integrity in counseling and mental health care is dependent on acceptance of ethical and legal responsibilities.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Human Services Cluster

DOLLARS AND SENSE

WISD #: 7097000C TIER 2

Grades: 11-12 .5 Credit

Prerequisite:

Dollars and Sense focuses on consumer practices and responsibilities, money-management processes, decision-making skills, impact of technology, and preparation for human services careers.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Human Services Cluster

FAMILY AND COMMUNITY SERVICES

WISD #: 7116000C TIER 2

Grades: 11-12 1 Credit

Prerequisite: 2 Credits Family & Community Services

Family and Community Services is a laboratory-based course designed to involve students in realistic and meaningful community-based activities through direct service or service-learning experiences. Students are provided opportunities to interact with and provide services to individuals, families, and the community through community or volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Human Services Cluster

INTERPERSONAL STUDIES

WISD #: 7115000C TIER 2

Grades: 09-12 .5 Credit

Prerequisite:

Interpersonal Studies examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Human Services Cluster

INTRODUCTION TO COSMETOLOGY

WISD #: 7160000C TIER 2

Grades: 09-12 1 Credit

Prerequisite: \$25.00 License Fee

In Introduction to Cosmetology, students explore careers in the cosmetology industry. To prepare for success, students must have academic and technical knowledge and skills relative to the industry. Students may begin to earn hours toward State licensing requirements.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Human Services Cluster

LIFETIME NUTRITION AND WELLNESS

WISD #: 7114000C TIER 2

Grades: 09-12 .5 Credit

Prerequisite:

This laboratory course allows students to use principles of wellness and nutrition to help them make informed choices that promote a healthy lifestyle and basic cooking skills, as well as, pursue careers related to hospitality and tourism, education and training, human services, and health sciences.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Human Services Cluster

PRINCIPLES OF COSMETOLOGY DESIGN AND COLOR THEORY

WISD #: 7163000C TIER 2

Grades: 09-12 1 Credit

Prerequisite:

In Principles of Cosmetology Design and Color Theory, students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Students will attain academic skills and knowledge as well as technical knowledge and skills related to cosmetology design and color theory. Students will develop knowledge and skills regarding various cosmetology design elements such as form, lines, texture, structure and illusion or depth as they relate to the art of cosmetology. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the TDLR requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Human Services Cluster

PRINCIPLES OF HUMAN SERVICES

WISD #: 7111000C TIER 2

Grades: 09-12 1 Credit

Prerequisite:

Students will investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community, and personal care services. Each student is expected to utilize these essential skills for success in high-skill, high-wage, or high-demand human services careers.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Information Technology Cluster

COMPUTER MAINTENANCE

WISD #: 7042000C TIER 2

Grades: 10-12 1 Credit

Prerequisite: Any credit from Level I

This course provides an excellent introduction to the IT industry and interactive exposure to personal computers, hardware, and operating systems. Students participate in hands-on activities and lab based learning to become familiar with various hardware and software components and discover best practices in maintenance and safety. This course prepares students to take the COMPTIA A+ Certification.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Information Technology Cluster

COMPUTER TECHNICIAN PRACTICUM (FIRST TIME TAKEN)

WISD #: 7047000C TIER 2

Grades: 11-12 2 Credit

Prerequisite: Computer Maintenance

This course is a continuation of Computer Maintenance. Students participate in hands-on activities and lab based learning to become familiar with advanced topics of various hardware and software components and discover best practices in advanced maintenance and safety.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Information Technology Cluster

DIGITAL MEDIA

WISD #: 7046000C TIER 2

Grades: 09-12 1 Credit

Prerequisite:

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.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Information Technology Cluster

NETWORKING

WISD #: 7048000C

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Computer Maintenance

In Networking, students will develop knowledge of the concepts and skills related to data networking technologies and practices in order to apply them to personal or career development. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Information Technology Cluster

PRACTICUM IN INFORMATION TECHNOLOGY (FIRST TIME TAKEN)

WISD #: 7040000C

TIER 2

Grades: 12

2 Credit

Prerequisite: Principles of Information Technology and Computer Maintenance

In the Practicum in Information Technology, students will gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. Knowledge and skills in the proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an industry mentor, as an unpaid or paid internship, as part of a capstone project, or as career preparation. **INCLUDED IN WGPA – Y***

Department: Career and Technical Education

Program: Information Technology Cluster

PRINCIPLES OF INFORMATION TECHNOLOGY

WISD #: 7041000C

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

In Principles of Information Technology, students will develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students will enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Information Technology Cluster

WEB COMMUNICATIONS

WISD #: 7076000C

TIER 2

Grades: 10-12

.5 Credit

Prerequisite:

The student is expected to: demonstrate proficiency in the use of local and online collaboration; create websites using web editors or web authoring programs; evaluate the accessibility and usability of original websites; and conceptualize possible technologies based on current technical trends. The student is expected to: analyze and implement the proper and acceptable use of digital/virtual communications technologies such as instant messaging (IM), chat, email, and social networking; define and implement the acquisition, sharing, and use of files taking into consideration primary ownership and copyright; apply decisions regarding the selection, acquisition, and sharing of uniform resource

Willis High School Course Catalog for 2024-2025

locators(URLs) used in research, taking into consideration their quality, appropriateness, and effectiveness; and solve problems using critical- thinking strategies. The student is expected to: demonstrate knowledge of hardware such as scanners, cameras, printers, video cameras, and external hard drives; identify the parts of a computer and explain their functions; summarize the need, functionality, and use of servers; identify the advantages and disadvantages of running a personal web server versus using a web server provider; differentiate and appropriately use various input, processing, output, and primary/secondary storage devices; create and implement universally accessible documents; analyze bandwidth issues as they relate to audience, servers, connectivity, and cost; establish a folder/directory hierarchy for storage of a web page and its related or linked files; follow file and folder naming conventions, including spacing, special characters, and capitalization; and identify basic design principles when creating a website.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Information Technology Cluster

WEB DESIGN

WISD #: 7077000C

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

The student is expected to: verify the accuracy, validity, and currency of acquired information; conduct effective searches with Boolean operators; acquire and use appropriate vocabulary terms; cite sources appropriately using established methods; model ethical and legal acquisition of digital information following guidelines in the student code of conduct, including plagiarism and copyright laws; identify and discuss emerging technologies and their impact; understand Internet history and structure and how they impact current use; demonstrate appropriate use of grammar, spelling, and vocabulary when creating original work; acquire, evaluate, and use various web standards such as World Wide Web Consortium (W3C), Ecma International, and Internet Corporation for Assigned Names and Numbers(ICANN) to make informed decisions and implement standards in original work; understand, analyze, and use interactive websites; understand, evaluate, and determine the appropriate use of dynamic and static websites; understand, evaluate, and determine the appropriate use of open/closed source file formats and software; explain and demonstrate how search engines work such as advanced options, preferences, advertising, and search categories; evaluate, create, and apply principles of project management, including web storyboards, site maps, job duties, time constraints, group dynamics, communication interaction, and project completion, evaluation, and feedback; understand the use and application of a virtual private network (VPN); distinguish among protocols, including Hypertext Transfer Protocol (HTTP) and File Transfer Protocol (FTP); summarize the technical needs of a World Wide Web server, including random access memory (RAM), hard disk capacity, central processing unit (CPU) speed, busses, methods of connectivity, and appropriate software; demonstrate proficiency in the use of a variety of electronic input devices such as keyboard, scanner, voice/sound recorder, mouse, touch screen, or digital video by incorporating such components while publishing web pages; demonstrate proper digital etiquette and knowledge of acceptable use policies when using networks, especially resources on the Internet and intranets; demonstrate proficiency in and appropriate use and navigation of local area networks(LANs), wide area networks(WANs), the Internet, and intranets for research and resource sharing; construct appropriate search strategies in the acquisition of information from the Internet, including keyword searches and searches with Boolean operators; and acquire information in electronic formats, including text, audio, video, and graphics, citing the source.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Law, Public Safety, Corrections, and Security Cluster

COURT SYSTEMS AND PRACTICES

WISD #: 7127000C TIER 2

Grades: 10-12 1 Credit

Prerequisite: Principles of Law, Public Safety, Corrections and Security

Court Systems and Practices is an overview of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Law, Public Safety, Corrections, and Security Cluster

CRIMINAL INVESTIGATION

WISD #: 7126000C TIER 2

Grades: 10-12 1 Credit

Prerequisite: Principles of Law, Public Safety, Corrections and Security

Criminal Investigation is a course that introduces students to the profession of criminal investigations. Students will understand basic functions of criminal investigations and procedures and will learn how to investigate or follow up during investigations. Students will learn terminology and investigative procedures related to criminal investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation. Through case studies and simulated crime scenes, students will collect and analyze evidence such as fingerprint analysis, bodily fluids, hairs, fibers, shoe and tire impressions, bite marks, drugs, tool marks, firearms and ammunition, blood spatter, digital evidence, and other types of evidence.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Law, Public Safety, Corrections, and Security Cluster

FORENSIC SCIENCE

WISD #: 7121000C TIER 2

Grades: 11-12 1 Credit

Prerequisite: Biology and Chemistry

Forensic Science uses critical thinking and problem solving skills through scientific investigation, data collection and evaluation. Students will record data collection results and draw conclusions based on evidence. Units of study include fingerprinting, toxicology, trace evidence, DNA, document analysis, serology and biology.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Law, Public Safety, Corrections, and Security Cluster

LAW ENFORCEMENT I

WISD #: 7122000C TIER 2

Grades: 10-12 1 Credit

Prerequisite: Principles of Law, Public Safety, Corrections, and Security

Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime. **INCLUDED IN WGPA – Y***

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Law, Public Safety, Corrections, and Security Cluster

LAW ENFORCEMENT II

WISD #: 7123000C

TIER 2

Grades: 11-12

1 Credit

Prerequisite: Law Enforcement I and Principles of LPSCS

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Law, Public Safety, Corrections, and Security Cluster

PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY (FIRST TIME TAKEN)

WISD #: 7124000C

TIER 2

Grades: 12

2 Credit

Prerequisite: Law Enforcement II

The practicum course is a capstone experience for students participating in a coherent sequence of career and technical education courses in the Law, Public Safety, Corrections, and Security cluster. The Practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Law, Public Safety, Corrections, and Security Cluster

PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY/EXTENDED PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY (FIRST TIME TAKEN)

WISD #: 7125000C

TIER 2

Grades: 11-12

3 Credit

Prerequisite:

Extended Practicum in Law, Public Safety, Corrections, and Security is designed to give students supervised practical application of previously studied knowledge and skills in law, public safety, corrections, and security. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Law, Public Safety, Corrections, and Security Cluster

PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY

WISD #: 7120000C

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

Principles of Law, Public Safety, Corrections, and Security introduces students to professions in law enforcement, security, corrections, and fire and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, security, and corrections.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Manufacturing Cluster

INTRODUCTION TO WELDING

WISD #: 7060000C

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

Introduction to Welding will provide an introduction to welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. Introduction to Welding will provide students with the knowledge, skills, and technologies required for employment in welding industries. Students will develop knowledge and skills related to welding and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills will prepare students for future success.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Manufacturing Cluster

METAL FABRICATION AND MACHINING I

WISD #: 7064000C

TIER 2

Grades: 10-12

2 Credit

Prerequisite: Welding II

Rapid advances in technology have created new career opportunities and demands in many industries. Flexible Manufacturing provides the knowledge, skills, and technologies required for employment in metal technology systems.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Manufacturing Cluster

METAL FABRICATION AND MACHINING II

WISD #: 7067000C TIER 2

Grades: 11-12 2 Credit

Prerequisite:

Advanced Flexible Manufacturing builds on knowledge and skills developed in Flexible Manufacturing. Students will develop advanced concepts and skills as they relate to personal and career development. This course integrates academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Manufacturing Cluster

PRACTICUM IN MANUFACTURING (FIRST TIME TAKEN)

WISD #: 7065000C TIER 2

Grades: 12 2 Credit

Prerequisite:

Welding techniques include: Metal Arc, Gas metal Arc, Tungsten Arc, Shielded metal plate, and Metal Arc pipe welding.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Manufacturing Cluster

PRINCIPLES OF MANUFACTURING

WISD #: 7061000C TIER 2

Grades: 09-12 1 Credit

Prerequisite:

In Principles of Manufacturing, students gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Manufacturing Cluster

WELDING I

WISD #: 7062000C TIER 2

Grades: 10-12 2 Credit

Prerequisite: Principles of Manufacturing or Introduction to Welding; \$30 shop fee

Welding provides the knowledge, skills, and technologies required for employment in metal technology systems.

Students develop knowledge and skills related to this system and apply them to personal career development. \$30 shop fee.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Manufacturing Cluster

WELDING II

WISD #: 7063000C

TIER 2

Grades: 11-12

2 Credit

Prerequisite: Welding I; \$30 shop fee

Advanced Welding builds on knowledge and skills developed in Welding. Students will develop advanced welding concepts and skills as they relate to personal and career development. \$30 shop fee.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Marketing Cluster

ADVANCED MARKETING

WISD #: 7089000C

TIER 2

Grades: 11-12

2 Credit

Prerequisite: 2 Courses from Marketing Career Cluster - Principles of Business, Marketing, and Finance; and \$20 DECA Fee

Students gain knowledge of marketing areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management and selling skills. Students should integrate skills from academic subjects, information technology, interpersonal skills, and management training to make responsible decisions. A 4G flash drive is required and \$20 DECA fee.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Marketing Cluster

ADVERTISING

WISD #: 7088000C

TIER 2

Grades: 10-12

.5 Credit

Prerequisite: Principles of Business, Marketing, and Finance; and \$20 DECA Fee

Introduction to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising and explore the social, ethical and legal issues in advertising. A 4G flash drive is required and \$20 DECA fee. Additional costs may be incurred if pursuing a sales and customer service certification.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Marketing Cluster

ENTREPRENEURSHIP

WISD #: 7087000C

TIER 2

Grades: 10-12

1 Credit

Prerequisite: Principles of Business, Marketing, and Finance; and \$20 DECA Fee

Students will gain knowledge and skills needed to become an entrepreneur. They will learn the principles necessary to begin and operate a business. Primary focus is to help students analyzing a business opportunity and determine goods and services to sell for profit. A 4G flash drive is required and \$20 DECA fee. Additional costs may be incurred if pursuing a sales and customer service certification.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Marketing Cluster

FASHION MARKETING

WISD #: 7205000C TIER 2

Grades: 10-12 .5 Credit

Prerequisite: Principles of Business, Marketing and Finance

Fashion Marketing is designed to provide students with knowledge of the various business functions in the fashion industry. Students in Fashion Marketing will gain a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual merchandising, and career opportunities.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Marketing Cluster

FUNDAMENTALS OF REAL ESTATE

WISD #: 7098000C TIER 2

Grades: 12 2 Credit

Prerequisite: \$475 course fee

In Fundamentals of Real Estate, students gain knowledge and skills in general principles of real estate, the law of agency, the law of contracts, use of promulgated forms and real estate finance. Students analyze the elements of a real estate transaction, including representation, financing, title, closing and deeds. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant principles of real estate. (\$475 Course fee).

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Marketing Cluster

PRACTICUM IN MARKETING (FIRST TIME TAKEN)

WISD #: 7091000C TIER 2

Grades: 12 2 Credit

Prerequisite: 2 credits in Marketing

Through course required employment, students gain knowledge and skills that help them become proficient in the marketing functional areas. Student must find marketing related job approved by course instructor and student must have own transportation to and from job.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Marketing Cluster

SOCIAL MEDIA MARKETING

WISD #: 7204000C TIER 2

Grades: 12 .5 Credit

Prerequisite: Principles of Business, Marketing and Finance

Social Media Marketing is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. Students will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Marketing Cluster

SPORTS AND ENTERTAINMENT MARKETING

WISD #: 7090000C TIER 2

Grades: 10-12 .5 Credit

Prerequisite: Principles of Business, Marketing, and Finance; and \$20 DECA Fee

This course will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and sporting events and entertainment. Areas covered include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals. A 4G flash drive is required and \$20 DECA fee.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Science, Technology, Engineering, and Mathematics Cluster

BIOLOGY DUAL CREDIT

WISD #: 63110D0C TIER 1

Grades: 11-12 1 Credit

Prerequisite: Chemistry and Alg. 2 or concurrent, qualifying placement scores – Biology, Chemistry, or Physics

This course allows students to receive credit in BIOL 1406 and 1407. Students will take classes on WHS campus for Lone Star College biology credit and Scientific Research and Design HS credit.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Science, Technology, Engineering, and Mathematics Cluster

BIOTECHNOLOGY DUAL CREDIT

WISD #: 63120D0C TIER 1

Grades: 11-12 1 Credit

Prerequisite: Pass TSI

An introduction to biotechnology including career exploration, history and applications of DNA/RNA technology, molecular biology, bioethics, and laboratory safety practices.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Science, Technology, Engineering, and Mathematics Cluster

COMPUTER SCIENCE A AP

WISD #: 72100A0C TIER 1

Grades: 09-12 1 Credit

Prerequisite: Algebra I

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Science, Technology, Engineering, and Mathematics Cluster

COMPUTER SCIENCE I

WISD #: 7200000C

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Algebra I

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Science, Technology, Engineering, and Mathematics Cluster

COMPUTER SCIENCE II

WISD #: 72030000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Algebra I and either Computer Science I or Fundamentals of Computer Science

Computer Science II will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of computer science through the study of technology operations, systems, and concepts.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Science, Technology, Engineering, and Mathematics Cluster

COMPUTER SCIENCE III

WISD #: 7206000C

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Computer Science II

Computer Science III will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of advanced computer science data structures through the study of technology operations, systems, and concepts.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Science, Technology, Engineering, and Mathematics Cluster

COMPUTER SCIENCE PRINCIPLES AP

WISD #: 72110A0C

TIER 1

Grades: 09-12

1 Credit

Prerequisite: Algebra I

AP Computer Science Principles introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate abstraction into programs and use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Science, Technology, Engineering, and Mathematics Cluster

CYBERSECURITY CAPSTONE

WISD #: 7301000C

TIER 2

Grades: 12

1 Credit

Prerequisite: Foundations of Cybersecurity

In the Cybersecurity Capstone course, students will develop the knowledge and skills needed to explore advanced concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will develop security policies to mitigate risks. The skills obtained in this course prepare students for additional study toward industry certification. A variety of courses are available to students interested in the cybersecurity field. Cybersecurity Capstone may serve as a culminating course in this field of study.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Science, Technology, Engineering, and Mathematics Cluster

DISCRETE MATHEMATICS FOR COMPUTER SCIENCE

WISD #: 72010000

TIER 2

Grades: 11-12

1 Credit

Prerequisite: Algebra II

Discrete Mathematics provides the tools used in most areas of computer science. Exposure to the mathematical concepts and discrete structures presented in this course is essential in order to provide an adequate foundation for further study. Discrete Mathematics is generally listed as a core requirement for Computer Science majors. Course topics are divided into six areas: sets, functions, and relations; basic logic; proof techniques; counting basics; graphs and trees; and discrete probability. Mathematical topics are interwoven with computer science applications to enhance the students' understanding of the introduced mathematics. Students will develop the ability to see computational problems from a mathematical perspective. Introduced to a formal system (propositional and predicate logic) upon which mathematical reasoning is based, students will acquire the necessary knowledge to read and construct mathematical arguments (proofs), understand mathematical statements (theorems), and use mathematical problem solving tools and strategies. Students will be introduced to discrete data structures such as sets, discrete functions, and relations and graphs and trees. Students will also be introduced to discrete probability and expectations.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Science, Technology, Engineering, and Mathematics Cluster

ENGINEERING DESIGN AND PRESENTATION I

WISD #: 7071000C

TIER 2

Grades: 10-12

1 Credit

Prerequisite: Algebra I

Students will use a variety of software applications to produce and present engineering drawings, solid model renderings, and prototypes. Through implementation of the design process, students will transfer advanced academic skills to component designs. Engineering Design is a rigorous, upper level course designed for students with a strong mathematics background and interest.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Science, Technology, Engineering, and Mathematics Cluster

ENGINEERING DESIGN AND PRESENTATION II

WISD #: 7070000C

TIER 2

Grades: 11-12

2 Credit

Prerequisite: Engineering Design and Presentation I

This course will provide students the opportunity to master computer software applications in a variety of engineering and technical fields. This course further develops the process of engineering thought and application of the design process.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Science, Technology, Engineering, and Mathematics Cluster

FOUNDATIONS OF CYBERSECURITY

WISD #: 7300000C

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Science, Technology, Engineering, and Mathematics Cluster

FUNDAMENTALS OF COMPUTER SCIENCE

WISD #: 7199000C

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

Fundamentals of Computer Science is intended as a first course for those students just beginning the study of computer science. Students will learn about the computing tools that are used every day. Students will foster their creativity and innovation through opportunities to design, implement, and present solutions to real-world problems. Students will collaborate and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Students will learn the problem-solving and reasoning skills that are the foundation of computer science. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of computer science through the study of technology operations and concepts.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Science, Technology, Engineering, and Mathematics Cluster

PRINCIPLES OF APPLIED ENGINEERING

WISD #: 7069000C

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

Principles of Applied Engineering provides 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. Upon completing this course, students will have an understanding of the various fields of engineering and will be able to make informed career decisions. Further, students will have worked on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Science, Technology, Engineering, and Mathematics Cluster

PRINCIPLES OF TECHNOLOGY

WISD #: 7072000C TIER 2

Grades: 09-12 1 Credit

Prerequisite: Algebra 1 or Geometry - concurrent

Principles of Technology is a first-year physics course that integrates mechanical, fluid, electrical, and thermal energy systems in an approach to learning that allows students to explore, experiment and apply physics to real-life applications and situations. Students learn contextually with computer data-acquisition and interactive labs.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Science, Technology, Engineering, and Mathematics Cluster

ROBOTICS I

WISD #: 7073000C TIER 2

Grades: 09-12 1 Credit

Prerequisite:

Students will gain knowledge and skills necessary for the robotic and automation industry. Through implementation of the design process, students will transfer advanced academic skills into a project-based environment.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Science, Technology, Engineering, and Mathematics Cluster

ROBOTICS II

WISD #: 7075000C TIER 2

Grades: 10-12 1 Credit

Prerequisite: Robotics I

In Robotics II, students will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, students will transfer academic skills to component designs in a project-based environment. Students will build prototypes and use software to test their designs.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Transportation, Distribution, and Logistics Cluster

AUTOMOTIVE BASICS

WISD #: 7139000C TIER 2

Grades: 09-12 1 Credit

Prerequisite:

Automotive Basics includes knowledge of the basic automotive systems and the theory and principles of the components that make up each system and how to service these systems. Automotive Basics includes applicable safety and environmental rules and regulations. In Automotive Basics, students will gain knowledge and skills in the repair, maintenance, and servicing of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Transportation, Distribution, and Logistics Cluster

AUTOMOTIVE TECHNOLOGY I: MAINTENANCE AND LIGHT REPAIR

WISD #: 7140000C TIER 2

Grades: 09-12 2 Credit

Prerequisite:

Automotive Technology I: Maintenance and Light Repair includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. This course includes applicable safety and environmental rules and regulations. In Automotive Technology I: Maintenance and Light Repair, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. 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. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Transportation, Distribution, and Logistics Cluster

AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE

WISD #: 7141000C TIER 2

Grades: 11-12 2 Credit

Prerequisite: Automotive Technology I

Automotive Technology II: Automotive Service includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. Automotive Technology II: Automotive Service includes applicable safety and environmental rules and regulations. In this course, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. 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. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

INCLUDED IN WGPA – Y*

Department: Career and Technical Education

Program: Transportation, Distribution, and Logistics Cluster

PRACTICUM IN TRANSPORTATION SYSTEMS (FIRST TIME TAKEN)

WISD #: 7137000C TIER 2

Grades: 12 2 Credit

Prerequisite: Automotive Technology II

Practicum in Transportation Systems is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories. The Practicum can be either school lab based or worked based.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Career and Technical Education

Program: Transportation, Distribution, and Logistics Cluster

PRINCIPLES OF TRANSPORTATION SYSTEMS

WISD #: 7138000C TIER 2

Grades: 09-12 1 Credit

Prerequisite:

In Principles of Transportation Systems, students will gain knowledge and skills in the safe application, design, production, and assessment of products, services, and systems. This knowledge includes the history, laws and regulations, and common practices used in the transportation industry. Students should apply knowledge and skills in the application, design, and production of technology as it relates to the transportation industries. This course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.

INCLUDED IN WGPA – Y*

Department: Economics

Program: Economics

ECONOMICS AP

WISD #: 64510A00 TIER 1

Grades: 09-12 0.5 Credit

Prerequisite: U.S. History, AP requirements

An honors study of economic theory applied to political and economic reality. Recommended for students in the top twenty- percent. This course prepares students to take the AP Exam for college credit in the spring.

INCLUDED IN WGPA – Y*

Department: Economics

Program: Economics

ECONOMICS

WISD #: 64510000 TIER 2

Grades: 09-12 0.5 Credit

Prerequisite: U.S. History

Students learn the basic principles concerning production, consumption, and distribution of goods and services in the U.S.

INCLUDED IN WGPA – Y*

Department: Economics

Program: Economics

ECONOMICS DUAL CREDIT

WISD #: 64510D00 TIER 1

Grades: 09-12 0.5 Credit

Prerequisite: Lone Star Acceptance

This Course is a study of macroeconomic principles. Analysis of the market economy, national income accounting, income determination, stabilization policies, monetary and fiscal policy, money and banking, demand and supply, side economic theories, Monetarist vs. Keynesian view, inflation theories such as distinction between demand, pull and cost, push theories. Phillips curve analysis, labor market and determination of unemployment rate. Students successfully completing this course will receive 3 credit hours from Lone Star College for ECON 2301.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: English Language Arts

Program: Advanced Placement (AP)courses

ENGLISH III AP

WISD #: 61310A00 **TIER 1**

Grades: 09-12 **1 Credit**

Prerequisite: English 2 and AP entry requirements

In this college-level course, students will become skilled readers who can effectively write analysis of various styles with an emphasis placed on stylistic and rhetorical analysis. Vocabulary building and standardized test preparation (SAT and AP exams) are emphasized as well.

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: Advanced Placement (AP)courses

ENGLISH IV AP

WISD #: 61410A00 **TIER 1**

Grades: 09-12 **1 Credit**

Prerequisite: English 3; AP entry requirements

Students will engage in college-level critical analysis of World Literature, with a focus on British Literature, exhibited through persuasive compositions and original literary criticism. Vocabulary building and standardized test preparation (SAT and AP exams) are also emphasized.

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: ELA/R – Additional High School Courses

COMMUN APP

WISD #: 66100000 **TIER 2**

Grades: 09-12 **.5 Credit**

Prerequisite:

Communication Applications is a course in oral communication. It involves researching, writing, and presenting speeches. Other communication skills such as listening, interviewing, and group discussion will be presented.

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: ELA/R – Additional High School Courses

CREATE/IMAG WRITE

WISD #: 66500000 **TIER 2**

Grades: 09-12 **1 Credit**

Prerequisite:

The study of creative writing allows high school students to earn one-half to one credit while developing versatility as a writer. Creative Writing, a rigorous composition course, asks high school students to demonstrate their skill in such forms of writing as fictional writing, short stories, poetry, and drama. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop peer and self-assessments for effective writing, and set their own goals as writers.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: English Language Arts

Program: ELA/R – Additional High School Courses

CREATE/IMAG WRITE

WISD #: 66500000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

The study of creative writing allows high school students to earn one-half to one credit while developing versatility as a writer. Creative Writing, a rigorous composition course, asks high school students to demonstrate their skill in such forms of writing as fictional writing, short stories, poetry, and drama. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop peer and self-assessments for effective writing, and set their own goals as writers.

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: ELA/R – Additional High School Courses

DEBATE I

WISD #: 66130000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

This course is designed for the serious speech student interested in competition. The class stresses the principles and practices of Argument and Debate. Students construct arguments and present arguments in both public speaking and debate formats. An emphasis is placed on the discussion of current events that affect the life of the student both now and in the future.

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: ELA/R – Additional High School Courses

DEBATE II

WISD #: 66140000 TIER 2

Grades: 09-12 1 Credit

Prerequisite: Debate 1

This course emphasizes the development of critical thinking skills and the development of proficiency in the generation, construction, and presentation of effective arguments. Debate 2 is an expansion and continuation of Debate 1. Students enrolled in this course are required to attend speech tournaments and participate in competitive debates.

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: ELA/R – Additional High School Courses

Debate III

WISD #: 66150000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: English Language Arts

Program: ELA/R – Additional High School Courses

ESL READ I

WISD #: 61160S00 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: ELA/R – Additional High School Courses

ESL READ II

WISD #: 61260S00 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: ELA/R – Additional High School Courses

ESL READ III

WISD #: 61270S00 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: ELA/R – Additional High School Courses

ESL READ III

WISD #: 61270S00 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: ELA/R – Additional High School Courses

HEBREW & NT

WISD #: 66560000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

Students will examine the impact of the Bible’s Hebrew Scriptures (Old Testament) and Greek Scriptures (New Testament) on contemporary society and culture, including law, history, government, literature, art, customs, music, morals, oratory, and public policy. This course is designed to maintain religious neutrality and accommodate the diverse religious views, traditions, and perspectives of students in this school district.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: ELA – English Language Arts

Program:

Reading II

WISD #: 6161000C

TIER 2

Grades: 10-12

1 Credit

Prerequisite: Reading I

Reading II extends reading instruction to successfully navigate academic demands as well as attain life-long literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students an opportunity to read with competence, confidence, and understanding. Students learn how traditional and electronic texts are organized and how authors choose language for effect. All of these strategies are applied in instructional-level and independent-level text that cross the content areas.

INCLUDED IN WGPA – Y*

Department: ELA – English Language Arts

Program:

Reading III

WISD #: 61620000

TIER 2

Grades: 11-12

1 Credit

Prerequisite:

Reading III extends reading instruction to successfully navigate academic demands as well as attain life-long literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students an opportunity to read with competence, confidence, and understanding. Students learn how traditional and electronic texts are organized and how authors choose language for effect. All of these strategies are applied in instructional-level and independent-level texts that cross the content areas.

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: ELA/R – Additional High School Courses

IND ST JOURNAL 1

WISD #: 66530000

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

Students need to be critical viewers, consumers, and producers of media. The ability to access, analyze, evaluate, and produce communication in a variety of forms is an important part of language development. High school students enrolled in this course will apply and use their journalistic skills for a variety of purposes. Students will learn the laws and ethical considerations that affect broadcast journalism; learn the role and function of broadcast journalism; critique and analyze the significance of visual representations; and learn to produce by creating a broadcast journalism product.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: English Language Arts

Program: ELA/R – Additional High School Courses

IND ST JOURNAL II

WISD #: 66540000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Independent Study in Journalism 1

Students need to be critical viewers, consumers, and producers of media. The ability to access, analyze, evaluate, and produce communication in a variety of forms is an important part of language development. High school students enrolled in this course will apply and use their journalistic skills for a variety of purposes. Students will learn the laws and ethical considerations that affect broadcast journalism; learn the role and function of broadcast journalism; critique and analyze the significance of visual representations; and learn to produce by creating a broadcast journalism product.

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: ELA/R – Additional High School Courses

IND STUDY ENG

WISD #: 61530000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: None

Students enrolled in Independent Study in English will focus on a specialized area of study such as the work of a particular author or genre. Students will read and write in multiple forms for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written compositions on a regular basis and carefully examine their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English.

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: ELA/R – Additional High School Courses

JOURN YRBK I ADV

WISD #: 66710000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Journalism/Application

Two classes of Advanced Journalism will be taught, one for the production of “The Wildkat”, the Willis yearbook, and another for production of the school newspaper, “The Voice of the Wildkats.” In a laboratory situation, students will demonstrate their knowledge of the elements and processes necessary in the production of these publications. Students should have excellent grades as well as be able to work after school hours capturing the events that would go into publications.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: English Language Arts

Program: ELA/R – Additional High School Courses

JOURN YRBK II ADV

WISD #: 66720000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Journalism/Application

Two classes of Advanced Journalism will be taught, one for the production of “The Wildkat”, the Willis yearbook, and another for production of the school newspaper, “The Voice of the Wildkats.” In a laboratory situation, students will demonstrate their knowledge of the elements and processes necessary in the production of these publications. Students should have excellent grades as well as be able to work after school hours capturing the events that would go into publications.

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: ELA/R – Additional High School Courses

JOURN YRBK III

WISD #: 66740000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Journalism: Yearbook II

Students enrolled in Advanced Journalism: Yearbook I, II, III/Newspaper I, II, III/ Literary Magazine communicate in a variety of forms such as print, digital, or online media for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Advanced Journalism: Yearbook I, II, III/Newspaper I, II, III/ Literary Magazine, students are expected to become analytical consumers of media and technology to enhance their communication skills. In addition, students will apply journalistic ethics and standards. Published works of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Advanced Journalism: Yearbook I, II, III/Newspaper I, II, III/ Literary Magazine will refine and enhance their journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s) in one or more forms of media.

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: ELA/R – Additional High School Courses

JOURNAL NEWS I ADV

WISD #: 66610000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Journalism/Application

Two classes of Advanced Journalism will be taught, one for the production of “The Wildkat”, the Willis yearbook, and another for production of the school newspaper, “The Voice of the Wildkats.” In a laboratory situation, students will demonstrate their knowledge of the elements and processes necessary in the production of these publications. Students should have excellent grades as well as be able to work after school hours capturing the events that would go into publications.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: English Language Arts

Program: ELA/R – Additional High School Courses

JOURNAL NEWS II ADV

WISD #: 66620000 TIER 2

Grades: 09-12 1 Credit

Prerequisite: Journalism/Application

Two classes of Advanced Journalism will be taught, one for the production of “The Wildkat”, the Willis yearbook, and another for production of the school newspaper, “The Voice of the Wildkats.” In a laboratory situation, students will demonstrate their knowledge of the elements and processes necessary in the production of these publications.

Students should have excellent grades as well as be able to work after school hours capturing the events that would go into publications.

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: ELA/R – Additional High School Courses

JOURNAL NEWS III ADV

WISD #: 66630000 TIER 2

Grades: 09-12 1 Credit

Prerequisite: Journalism/Application

Two classes of Advanced Journalism will be taught, one for the production of “The Wildkat”, the Willis yearbook, and another for production of the school newspaper, “The Voice of the Wildkats.” In a laboratory situation, students will demonstrate their knowledge of the elements and processes necessary in the production of these publications.

Students should have excellent grades as well as be able to work after school hours capturing the events that would go into publications.

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: ELA/R – Additional High School Courses

JOURNALISM

WISD #: 66520000 TIER 2

Grades: 09-12 1 Credit

Prerequisite: Honors English 1 or 2

Introduction to basic journalistic skills, including newspaper writing and yearbook compilation with a heavy emphasis on writing.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: English Language Arts

Program: ELA/R – Additional High School Courses

MEDIA LIT JOURN

WISD #: 66510000

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

Students enrolled in Media Literacy will develop their skills in understanding, analyzing, using, and producing media intelligently. High school students should realize that media can be a vehicle for full participation in academic, social, and democratic processes. Students enrolled in Media Literacy will understand how media influences our tastes, our behavior, our purchasing, and our voting decisions. Students who are media literate understand television, radio, film, and other visual images and auditory messages.

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: ELA/R – Additional High School Courses

PHOTO JOURNALISM

WISD #: 66730000

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

Students enrolled in Photojournalism communicate in a variety of forms for a variety of audiences and purposes. High school students are expected to plan, interpret, and critique visual representation, carefully examining their product for publication. Students will become analytical consumers of media and technology to enhance their communication skills. High school students will study the laws and ethical consideration that impact photography. Published photos of professional photojournalist, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, and produce effective visual representations. Students enrolled in this course will refine and enhance their journalistic skills and plan, prepare, and produce photographs for a journalist publication, whether print, digital, or online media.

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: ELA/R – Additional High School Courses

PUBLIC SPEAKING I

WISD #: 66110000

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

This course stresses principles and practices of public speaking. There is some consideration of contemporary communication and historical speeches as models for improving the student's skills.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: English Language Arts

Program: ELA/R – Additional High School Courses

PUBLIC SPEAKING II

WISD #: 66120000 TIER 2

Grades: 09-12 1 Credit

Prerequisite: Public Speaking I

This course expands and continues the lessons learned in Public Speaking I. The goals of this course are to enhance the student's ability to recognize, describe and discuss the process of human communication and to develop skill in sending and receiving messages.

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: ELA/R – Additional High School Courses

READING I

WISD #: 61600000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

Reading I offers students reading instruction to successfully navigate academic demands as well as attain life-long literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students an opportunity to read with competence, confidence, and understanding. Students learn how traditional and electronic texts are organized and how authors choose language for effect. All of these strategies are applied in instructional-level and independent-level texts that cross the content areas.

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: ELA/R – Additional High School Courses

RESEARCH/TECHNICAL WRITING

WISD #: 61520000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

The study of technical writing allows high school students to earn one-half to one credit while developing skills necessary for writing persuasive and informative texts. This rigorous composition course asks high school students to skillfully research a topic or a variety of topics and present that information through a variety of media. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop and apply criteria for effective writing, and set their own goals as writers.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: English Language Arts

Program: English

ENGLISH I

WISD #: 61110000

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

In their study of various literary genres, English I students will gain base knowledge of the skills necessary for success in high school English.

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: English

ENGLISH I HONORS

WISD #: 61110P00

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Honors entry requirements

Identification and use of proper grammatical mechanics for written communication are emphasized. Students will read and analyze for literary merit, and for historical significance. PAP students will study grammar and demonstrate composition effectiveness through writing.

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: English

ENGLISH II

WISD #: 61210000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: English 1

In this level English course, students will gain improvement in communication skills by increasing vocabulary proficiency and generating multi-paragraph compositions. Students will read both inside and outside of class to critically evaluate for increased understanding and appreciation of various literary genres. **INCLUDED IN WGPA – Y***

Department: English Language Arts

Program: English

ENGLISH II HONORS

WISD #: 61210P00

TIER 1

Grades: 09-12

1 Credit

Prerequisite: English 1; Honors requirements

Honors students will gain improvement in communication skills by increasing vocabulary proficiency and generating several types of multi-paragraph compositions. Students will read both inside and outside of class to critically evaluate for increased understanding and appreciation of various literary genres. Honors students will also gain expertise in critical evaluation and rhetorical analysis. To be successful in English 2 Honors, students must be prepared to complete many assignments outside of class.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: English Language Arts

Program: English

ENGLISH III

WISD #: 61310000

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

Traditionally, American Literature and historical events go hand-in-hand, so the survey of American Literature will stress works in connection with historical context; however, focus is also on thematic issues such as the American Dream and shaping personal identity within the American Dream. In this course, research information with documentation within various forms of writing is also incorporated.

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: English

ENGLISH III DUAL CREDIT

WISD #: 61310D00

TIER 1

Grades: 09-12

1 Credit

Prerequisite: English 2 and qualifying placement scores; Textbooks must be purchased by the student each semester
Composition and Rhetoric I (ENGL 1301): A multi-paragraph composition course, including language study and the mechanics of writing, with examples from selected readings. Students may be required to achieve a departmentally approved score on a proficiency test before credit for the course may be rewarded. Composition and Rhetoric II (ENGL1302): A multi-paragraph composition course, including language study and the mechanics of writing, with examples from selected readings. A continuation of ENGL 1301, with an emphasis on critical papers, culminating in a term paper or papers. Readings in prose, poetry, and drama. Textbooks must be purchased by the student each semester.

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: English

ENGLISH IV

WISD #: 61410000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: English 3

World literature students will study the origins and development of the English language, and analyze major works in British, World and multicultural literature. To further their communication skills, English 4 students will continue outside reading and participation in the vocabulary program.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: English Language Arts

Program: English

ENGLISH IV DUAL CREDIT

WISD #: 61410D00 **TIER 1**

Grades: 09-12 **1 Credit**

Prerequisite: English 3, ENGL 1301, and ENGL 1302

Survey of World Lit (ENGL 2332): A survey of the literature of the world from ancient times to the mid-seventeenth century. Students will engage in college-level critical analysis of World Literature, exhibited through persuasive compositions and original literary criticism. Survey of World Lit (ENGL 2333): A survey of world literature from the mid-seventeenth century to the present. Students will engage in college-level critical analysis of World Literature, exhibited through persuasive compositions and original literary criticism.

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: For Speakers of Other Languages

ENGLISH I SOL

WISD #: 61150S00 **TIER 2**

Grades: 09-12 **1 Credit**

Prerequisite: Counselor Approval

INCLUDED IN WGPA – Y*

Department: English Language Arts

Program: For Speakers of Other Languages

ENGLISH II SOL

WISD #: 61250S00 **TIER 2**

Grades: 09-12 **1 Credit**

Prerequisite: Counselor Approval

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Fine Arts

ART DUAL CREDIT

WISD #: 67140D00 **TIER 1**

Grades: 11-12 **1 Credit**

Prerequisite: Pass TSI

Students cultivate their understanding of art history through analyzing works of art and placing them in historical context as they explore concepts like culture and cultural interactions, theories and interpretations of art, the impact of materials, processes, and techniques on art and art making, and understanding purpose and audience in art historical analysis.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Fine Arts

Program: Art

ART APPRECIATION

WISD #: 67150000 **TIER 2**
Grades: 09-12 **1 Credit**

Prerequisite:

A general introduction to the visual arts designed to create an appreciation of the vocabulary, media, techniques and Purposes of the creative process. Students will critically interpret and evaluate works of art within formal, cultural and Historical contexts.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Advanced Placement (AP) courses

ART AP

WISD #: 67120A00 **TIER 1**
Grades: 09-12 **1 Credit**

Prerequisite: Application

The student will develop a general or drawing portfolio and will be responsible for portfolio submission. In addition to completing the Art 4 curriculum, a slide presentation will be required.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Art

ART I

WISD #: 67000000 **TIER 2**
Grades: 09-12 **1 Credit**

Prerequisite:

This introductory course lays the basic foundation for learning art processes, procedures, theories, history, and art judgment. Students will create two-dimensional and three-dimensional works of art from a wide range of media.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Art

ART II CERAMICS

WISD #: 67040000 **TIER 2**
Grades: 09-12 **1 Credit**

Prerequisite: Art 1

The four basic strands of perception, creative expression/ performance, historical and cultural heritage, and critical evaluation are an integral part of the Art II program, with a more in depth approach to developing knowledge and skills using specific ideas to visualize themes and using precise art vocabulary.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Fine Arts

Program: Art

ART II DRAWING

WISD #: 67010000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Art 1

The four basic strands of perception, creative expression/ performance, historical and cultural heritage, and critical evaluation are an integral part of the Art II program, with a more in depth approach to developing knowledge and skills using specific ideas to visualize themes and using precise art vocabulary.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Art

ART II PAINTING

WISD #: 67020000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Art 1

The four basic strands of perception, creative expression/ performance, historical and cultural heritage, and critical evaluation are an integral part of the Art II program, with a more in depth approach to developing knowledge and skills using specific ideas to visualize themes and using precise art vocabulary.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Art

ART II SCULPTURE

WISD #: 67030000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Art 1

The four basic strands of perception, creative expression/ performance, historical and cultural heritage, and critical evaluation are an integral part of the Art II program, with a more in depth approach to developing knowledge and skills using specific ideas to visualize themes and using precise art vocabulary.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Art

ART III CERAMICS

WISD #: 67080000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Art 2

Four basic strands—perception, creative expression/performance, historical and cultural heritage, and critical evaluation— provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. Students rely on their perceptions of the environment, developed through increasing visual awareness and sensitivity to surroundings, memory, imagination, and life experiences, as a source for creating artworks. They express their thoughts and ideas creativity, while challenging their imagination, fostering reflective thinking, and developing disciplined effort and problem-solving skills.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Fine Arts

Program: Art

ART III DRAWING

WISD #: 67050000 **TIER 2**
Grades: 09-12 **1 Credit**

Prerequisite: Art 2

A continuation of Art 2. The student will develop one's style of art, developing a strong portfolio for scholarship applications and exploring careers in the arts.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Art

ART III PAINTING

WISD #: 67060000 **TIER 2**
Grades: 09-12 **1 Credit**

Prerequisite: Art 2

A continuation of Art 2. The student will develop one's style of art, developing a strong portfolio for scholarship applications and exploring careers in the arts.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Art

ART III SCULPTURE

WISD #: 67070000 **TIER 2**
Grades: 09-12 **1 Credit**

Prerequisite: Art 2

A continuation of Art 2. The student will develop one's style of art, developing a strong portfolio for scholarship applications and exploring careers in the arts.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Art

ART IV CERAMICS

WISD #: 67130000 **TIER 2**
Grades: 09-12 **1 Credit**

Prerequisite: Art 3

Four basic strands—perception, creative expression/performance, historical and cultural heritage, and critical evaluation— provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. Students rely on their perceptions of the environment, developed through increasing visual awareness and sensitivity to surroundings, memory, imagination, and life experiences, as a source for creating artworks. They express their thoughts and ideas creativity, while challenging their imagination, fostering reflective thinking, and developing disciplined effort and problem-solving skills.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Fine Arts

Program: Art

ART IV DRAWING

WISD #: 67090000 **TIER 2**
Grades: 09-12 **1 Credit**

Prerequisite: Art 3

A continuation of Art 3 with an emphasis on portfolios, careers, and scholarships.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Art

ART IV PAINTING

WISD #: 67100000 **TIER 2**
Grades: 09-12 **1 Credit**

Prerequisite: Art 3

A continuation of Art 3 with an emphasis on portfolios, careers, and scholarships.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Art

ART IV SCULPTURE

WISD #: 67110000 **TIER 2**
Grades: 09-12 **1 Credit**

Prerequisite: Art 3

A continuation of Art 3 with an emphasis on portfolios, careers, and scholarships.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Dance

DANCE COMPOSITION I

WISD #: 75310000 **TIER 2**
Grades: 09-12 **1 Credit**

Prerequisite: Officer or Dance Company Member and/or Director Approval

This course is reserved for elite drill team members such as officers and the dance company and will expand further on the skills learned in drill team. It will focus on leadership skills and be used as a preparation for performance and competition. Dance composition and choreography will be reinforced through student activities and choreographic works.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Fine Arts

Program: Dance

DANCE COMPOSITION II

WISD #: 75320000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Officer or Dance Company Member and/or Director Approval

This course is reserved for elite drill team members such as officers and the dance company and will expand further on the skills learned in drill team. It will focus on leadership skills and be used as a preparation for performance and competition. Dance composition and choreography will be reinforced through student activities and choreographic works.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Dance

DANCE COMPOSITION III

WISD #: 75330000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Officer or Dance Company Member and/or Director Approval

This course is reserved for elite drill team members such as officers and the dance company and will expand further on the skills learned in drill team. It will focus on leadership skills and be used as a preparation for performance and competition. Dance composition and choreography will be reinforced through student activities and choreographic works.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Dance

DANCE COMPOSITION IV

WISD #: 75340000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Dance Composition III

This course is reserved for elite drill team members or color guard members such as officers and the dance company and will expand further on the skills learned in drill team. It will focus on leadership skills and be used as a preparation for performance and competition. Dance composition and choreography will be reinforced through student activities and choreographic works. **INCLUDED IN WGPA – Y***

Department: Fine Arts

Program: Dance

DANCE I

WISD #: 68350000

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

Dance gives students the opportunity to acquire skills in various dance techniques. Dance activities may include ballet, modern, jazz, hip hop, ethnic, aerobic, and social dance. Students will also study dance terminology, history, and choreography. Students will have a performance requirement. This course also fulfills the PE requirement.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Fine Arts

Program: Dance

DANCE II

WISD #: 68360000

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

Dance gives students the opportunity to acquire skills in various dance techniques. Dance activities may include ballet, modern, jazz, hip hop, ethnic, aerobic, and social dance. Students will also study dance terminology, history, and choreography. Students will have a performance requirement. This course also fulfills the PE requirement.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Dance

DANCE III

WISD #: 68370000

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

Dance gives students the opportunity to acquire skills in various dance techniques. Dance activities may include ballet, modern, jazz, hip hop, ethnic, aerobic, and social dance. Students will also study dance terminology, history, and choreography. Students will have a performance requirement. This course also fulfills the PE requirement.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Dance

DANCE IV

WISD #: 68380000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: None

Dance gives students the opportunity to acquire skills in various dance techniques. Dance activities may include ballet, modern, jazz, hip hop, ethnic, aerobic, and social dance. Students will also study dance terminology, history, and choreography. Students will have a performance requirement. This course also fulfills the PE requirement.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Dance

DRILL TEAM I

WISD #: 68310000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Selection through a try-out process in the spring of each year

This course prepares students for performance and competition. It will focus on dance technique and teach leadership skills. Drill Team requires out-of-school practices and rehearsals, as well as clothing/costume and other expenses.

Guidelines for drill membership are available from the Drill Team Director. Students must have a physical exam on file in order to participate. This course is a Fine Arts credit and earns a PE substitution as well.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Fine Arts

Program: Dance

DRILL TEAM II

WISD #: 68320000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Selection through a try-out process in the spring of each year

This course prepares students for performance and competition. It will focus on dance technique and teach leadership skills. Drill Team requires out-of-school practices and rehearsals, as well as clothing/costume and other expenses.

Guidelines for drill membership are available from the Drill Team Director. Students must have a physical exam on file in order to participate. This course is a Fine Arts credit and earns a PE substitution as well.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Dance

DRILL TEAM II

WISD #: 68330000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Selection through a try-out process in the spring of each year

This course prepares students for performance and competition. It will focus on dance technique and teach leadership skills. Drill Team requires out-of-school practices and rehearsals, as well as clothing/costume and other expenses.

Guidelines for drill membership are available from the Drill Team Director. Students must have a physical exam on file in order to participate. This course is a Fine Arts credit and earns a PE substitution as well.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Dance

DRILL TEAM III

WISD #: 68320000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Selection through a try-out process in the spring of each year

This course prepares students for performance and competition. It will focus on dance technique and teach leadership skills. Drill Team requires out-of-school practices and rehearsals, as well as clothing/costume and other expenses.

Guidelines for drill membership are available from the Drill Team Director. Students must have a physical exam on file in order to participate. This course is a Fine Arts credit and earns a PE substitution as well. **INCLUDED IN WGPA – Y***

Department: Fine Arts

Program: Dance

DRILL TEAM IV

WISD #: 68340000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Selection through a try-out process in the spring of each year

This course prepares students for performance and competition. It will focus on dance technique and teach leadership skills. Drill Team requires out-of-school practices and rehearsals, as well as clothing/costume and other expenses.

Guidelines for drill membership are available from the Drill Team Director. Students must have a physical exam on file in order to participate. This course is a Fine Arts credit and earns a PE substitution as well.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Fine Arts

Program: Fine Arts

ART DUAL CREDIT

WISD #: 67140D00 **TIER 1**
Grades: 11-12 **1 Credit**

Prerequisite: Pass TSI

Students cultivate their understanding of art history through analyzing works of art and placing them in historical context as they explore concepts like culture and cultural interactions, theories and interpretations of art, the impact of materials, processes, and techniques on art and art making, and understanding purpose and audience in art historical analysis.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

APPLIED MUSIC I

WISD #: 67710000 **TIER 2**
Grades: 09-12 **1 Credit**

Prerequisite: In Perf. Ensemble; Inst. Approval

*Applied Music 1 must be taken before Applied Music 2. An individualized music program with in-depth, concentrated study of the basics through scales, etudes, rhythms, and terminology to the very advanced stage of the individual's ability. All students will be required to participate in the Regional Band Auditions, and UIL Solo and Ensemble competitions. Applied Music 1 is recommended for 11th and 12th graders. 10th graders will be considered on a case by case basis.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

APPLIED MUSIC II

WISD #: 67720000 **TIER 2**
Grades: 09-12 **1 Credit**

Prerequisite: In Perf. Ensemble; Inst. Approval

*Applied Music 1 must be taken before Applied Music 2. An individualized music program with in-depth, concentrated study of the basics through scales, etudes, rhythms, and terminology to the very advanced stage of the individual's ability. All students will be required to participate in the Regional Band Auditions, and UIL Solo and Ensemble competitions. Applied Music 1 is recommended for 11th and 12th graders. 10th graders will be considered on a case by case basis.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Fine Arts

Program: Music

CONCERT BAND I

WISD #: 67410000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Instructor approval & Audition

Performing group. Students will further their instrumental technique, and music theory skills through participating in the high school marching band and concert band programs. All students will be required to participate in UIL contest for marching, concert bands, a solo and ensemble and all other scheduled performances of the high school band program. PE waiver is earned for the fall semester upon successful participation in marching season.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

CONCERT BAND II

WISD #: 67420000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Instructor approval & Audition

Performing group. Students will further their instrumental technique, and music theory skills through participating in the high school marching band and concert band programs. All students will be required to participate in UIL contest for marching, concert bands, a solo and ensemble and all other scheduled performances of the high school band program. PE waiver is earned for the fall semester upon successful participation in marching season.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

CONCERT BAND III

WISD #: 67430000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Instructor approval & Audition

Performing group. Students will further their instrumental technique, and music theory skills through participating in the high school marching band and concert band programs. All students will be required to participate in UIL contest for marching, concert bands, a solo and ensemble and all other scheduled performances of the high school band program. PE waiver is earned for the fall semester upon successful participation in marching season.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Fine Arts

Program: Music

CONCERT BAND IV

WISD #: 67440000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Instructor approval & Audition

Performing group. Students will further their instrumental technique, and music theory skills through participating in the high school marching band and concert band programs. All students will be required to participate in UIL contest for marching, concert bands, a solo and ensemble and all other scheduled performances of the high school band program. PE waiver is earned for the fall semester upon successful participation in marching season.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

GUITAR I

WISD #: 68200000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: None

*Guitar 1 must be taken before Guitar 2, unless instructor approval. This course is for students who wish to learn or improve guitar skills through technique and literacy. All students must provide a classical/nylon string guitar. Students will learn and build skills through traditional and nontraditional notation as well as classical and popular playing techniques. Students will have the opportunity to perform and participate in available UIL events.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

GUITAR II

WISD #: 68210000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Audition

*Guitar 1 must be taken before Guitar 2, unless instructor approval. This course is for students who wish to learn or improve guitar skills through technique and literacy. All students must provide a classical/nylon string guitar. Students will learn and build skills through traditional and nontraditional notation as well as classical and popular playing techniques. Students will have the opportunity to perform and participate in available UIL events.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Fine Arts

Program: Music

GUITAR III

WISD #: 68230000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Audition

*Guitar 2 must be taken before Guitar 3, unless instructor approval. This course is for students who wish to learn or improve guitar skills through technique and literacy. All students must provide a classical/nylon string guitar. Students will learn and build skills through traditional and nontraditional notation as well as classical and popular playing techniques. Students will have the opportunity to perform and participate in available UIL events.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

GUITAR IV

WISD #: 68240000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Audition

*Guitar 3 must be taken before Guitar 4, unless instructor approval. This course is for students who wish to learn or improve guitar skills through technique and literacy. All students must provide a classical/nylon string guitar. Students will learn and build skills through traditional and nontraditional notation as well as classical and popular playing techniques. Students will have the opportunity to perform and participate in available UIL events.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

JAZZ BAND I

WISD #: 67610000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Instructor approval & Audition

Performing group - The purpose of this course will be to study and to perform Jazz music from the past and present in concerts throughout the year. The course also involves the study and application of basic music theory through improvisation.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

JAZZ BAND II

WISD #: 67620000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Instructor approval & Audition

Performing group - The purpose of this course will be to study and to perform Jazz music from the past and present in concerts throughout the year. The course also involves the study and application of basic music theory through improvisation.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Fine Arts

Program: Music

JAZZ BAND III

WISD #: 67630000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Instructor approval & Audition

Performing group - The purpose of this course will be to study and to perform Jazz music from the past and present in concerts throughout the year. The course also involves the study and application of basic music theory through improvisation.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

JAZZ BAND IV

WISD #: 67640000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Instructor approval & Audition

Performing group - The purpose of this course will be to study and to perform Jazz music from the past and present in concerts throughout the year. The course also involves the study and application of basic music theory through improvisation.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

JV CHOIR I

WISD #: 68010000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Audition for placement

Performing group – This course is designed to offer opportunities to rehearse and perform many styles of choral music. Students in JV choir are encouraged to participate in district, region and UIL events as appropriate. Vocal techniques, sight reading, music fundamentals, and music theory are included in this class.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

JV CHOIR II

WISD #: 68020000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Audition for placement

Performing group – This course is designed to offer opportunities to rehearse and perform many styles of choral music. Students in JV choir are encouraged to participate in district, region and UIL events as appropriate. Vocal techniques, sight reading, music fundamentals, and music theory are included in this class.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Fine Arts

Program: Music

JV CHOIR III

WISD #: 68030000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Audition for placement

Performing group – This course is designed to offer opportunities to rehearse and perform many styles of choral music. Students in JV choir are encouraged to participate in district, region and UIL events as appropriate. Vocal techniques, sight reading, music fundamentals, and music theory are included in this class.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

JV CHOIR IV

WISD #: 68040000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Audition for placement

Performing group – This course is designed to offer opportunities to rehearse and perform many styles of choral music. Students in JV choir are encouraged to participate in district, region and UIL events as appropriate. Vocal techniques, sight reading, music fundamentals, and music theory are included in this class.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

MUSIC APPRECIATION

WISD #: 67910000

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

This course is an overview designed to give students access to information about music and its history. Students will learn about the evolution of Western music as well as form intelligent opinions in order to gain skills needed to be a positive music consumer. The course will focus on the physics of sound, evolution of music, music literacy, various genres of music and the attendance of concern in our community.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

MUSIC THEORY I

WISD #: 67810000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Inst. Approval

This course is primarily for students who desire an in-depth study in music theory and are interested in music as a career. The course involves a detailed study of mechanics of music: rhythm, chord progressions, melodic organization, etc.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Fine Arts

Program: Music

MUSIC THEORY II

WISD #: 67820000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Music Theory I; Inst. Approval

It is designed specifically for students who plan to continue their musical training at the college level. Expanded part writing procedures will be covered as well as more advanced ear training. Also, some form and analysis will be a part of the curriculum.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

SYMPHONIC BAND I

WISD #: 67510000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Instructor approval & Audition

Performing group. Students will further their instrumental technique, and music theory skills through participating in the high school marching band and concert band programs. All students will be required to participate in UIL contest for marching, concert bands, a solo and ensemble and all other scheduled performances of the high school band program. PE waiver is earned for the fall semester upon successful participation in marching season.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

SYMPHONIC BAND II

WISD #: 67520000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Instructor approval & Audition

Performing group. Students will further their instrumental technique, and music theory skills through participating in the high school marching band and concert band programs. All students will be required to participate in UIL contest for marching, concert bands, a solo and ensemble and all other scheduled performances of the high school band program. PE waiver is earned for the fall semester upon successful participation in marching season.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

SYMPHONIC BAND III

WISD #: 67530000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Instructor approval & Audition

Performing group. Students will further their instrumental technique, and music theory skills through participating in the high school marching band and concert band programs. All students will be required to participate in UIL contest for marching, concert bands, a solo and ensemble and all other scheduled performances of the high school band program. PE waiver is earned for the fall semester upon successful participation in marching season.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Fine Arts

Program: Music

SYMPHONIC BAND IV

WISD #: 67540000 TIER 2

Grades: 09-12 1 Credit

Prerequisite: Instructor approval & Audition

Performing group - Students will further their instrumental technique, and music theory skills through participating in the high school marching band and concert band programs. All students will be required to participate in UIL contest for marching, concert bands, a solo and ensemble and all other scheduled performances of the high school band program. PE waiver is earned for the fall semester upon successful participation in marching season.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

V CHOIR I

WISD #: 68110000 TIER 2

Grades: 09-12 1 Credit

Prerequisite: Audition for placement

Performing group – This course is designed to offer opportunities to rehearse and perform many styles of choral music in an auditioned environment. Students in Varsity choir are required to participate in district, region and UIL events as appropriate. Students will perform frequently and must agree to the choir handbook policies with regards to performance attendance. Vocal techniques, sight reading, music fundamentals, and music theory are included in this class.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

V CHOIR II

WISD #: 68120000 TIER 2

Grades: 09-12 1 Credit

Prerequisite: Audition for placement

Performing group – This course is designed to offer opportunities to rehearse and perform many styles of choral music in an auditioned environment. Students in Varsity choir are required to participate in district, region and UIL events as appropriate. Students will perform frequently and must agree to the choir handbook policies with regards to performance attendance. Vocal techniques, sight reading, music fundamentals, and music theory are included in this class.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Fine Arts

Program: Music

V CHOIR III

WISD #: 68130000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Audition for placement

Performing group – This course is designed to offer opportunities to rehearse and perform many styles of choral music in an auditioned environment. Students in Varsity choir are required to participate in district, region and UIL events as appropriate. Students will perform frequently and must agree to the choir handbook policies with regards to performance attendance. Vocal techniques, sight reading, music fundamentals, and music theory are included in this class.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

V CHOIR IV

WISD #: 68140000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Audition for placement

Performing group – This course is designed to offer opportunities to rehearse and perform many styles of choral music in an auditioned environment. Students in Varsity choir are required to participate in district, region and UIL events as appropriate. Students will perform frequently and must agree to the choir handbook policies with regards to performance attendance. Vocal techniques, sight reading, music fundamentals, and music theory are included in this class.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

WIND ENSBL I

WISD #: 67310000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Instructor approval & Audition

Performing group. Students will further their instrumental technique, and music theory skills through participating in the high school marching band and concert band programs. All students will be required to participate in UIL contest for marching, concert bands, a solo and ensemble and all other scheduled performances of the high school band program. PE waiver is earned for the fall semester upon successful participation in marching season.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Fine Arts

Program: Music

WIND ENSBL II

WISD #: 67320000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Instructor approval & Audition

Performing group. Students will further their instrumental technique, and music theory skills through participating in the high school marching band and concert band programs. All students will be required to participate in UIL contest for marching, concert bands, a solo and ensemble and all other scheduled performances of the high school band program. PE waiver is earned for the fall semester upon successful participation in marching season.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

WIND ENSBL III

WISD #: 67330000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Instructor approval & Audition

Performing group. Students will further their instrumental technique, and music theory skills through participating in the high school marching band and concert band programs. All students will be required to participate in UIL contest for marching, concert bands, a solo and ensemble and all other scheduled performances of the high school band program. PE waiver is earned for the fall semester upon successful participation in marching season.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Music

WIND ENSBL IV

WISD #: 67340000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Instructor approval & Audition

Performing group. Students will further their instrumental technique, and music theory skills through participating in the high school marching band and concert band programs. All students will be required to participate in UIL contest for marching, concert bands, a solo and ensemble and all other scheduled performances of the high school band program. PE waiver is earned for the fall semester upon successful participation in marching season.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Theatre

TH ARTS I

WISD #: 67210000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: None

This course is an introduction to theatre, including theatre history, terminology, basic acting skills, voice and diction training, and styles of drama, costuming, movie history, and set design.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Fine Arts

Program: Theatre

TH ARTS II

WISD #: 67220000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Theatre Arts 1

Consists of voice and diction, including standard stage diction, and play-analysis. Students are encouraged to act in fall production, one-act play, and annual children's play.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Theatre

TH ARTS III

WISD #: 67230000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Theatre Arts 2, Instructor Approval

A course designed for advanced theatre students to study the different methods of acting. This will be a yearlong course that students must audition for and meet director's approval. The students will analyze and interpret scripts and utilize advance characterization. Students in this class may also participate in Drama Kats, a group that performs at local schools.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Theatre

TH ARTS IV

WISD #: 67240000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Theatre Arts 3, Instructor Approval

A course designed for all ability levels. This course will explore the history of film in the U.S. and how it reflects historical and social mores. Students will view films from the silent era to present and report their analysis in written, oral, or group discussion form. Product and depth of analyzing will coincide with student's ability level. Students also perform in the annual children's play and are eligible to participate in Drama Kats.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Theatre

Technical Theater I

WISD #: 67250000

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

Provide a workshop atmosphere for students to have the opportunity to learn the various aspects of technical production by designing and building shows, including areas in lighting design, set design, makeup design, costume design, properties, sound, public relations, and theatre management.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Fine Arts

Program: Theatre

Technical Theater II

WISD #: 67260000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Technical Theater I

Technical Theatre I, II, III, IV provide a workshop atmosphere for students to have the opportunity to learn the various aspects of technical production by designing and building shows, including areas in lighting design, set design, makeup design, costume design, properties, sound, public relations, and theatre management.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Theatre

Technical Theater III

WISD #: 67270000

TIER 2

Grades: 11-12

1 Credit

Prerequisite: Technical Theater II

Technical Theatre III, IV provide a workshop atmosphere for students to have the opportunity to learn the various aspects of technical production by designing and building shows, including areas in lighting design, set design, makeup design, costume design, properties, sound, public relations, and theatre management.

INCLUDED IN WGPA – Y*

Department: Fine Arts

Program: Theatre

Technical Theater IV

WISD #: 67280000

TIER 2

Grades: 12

1 Credit

Prerequisite: Technical Theater III

Technical Theatre IV provides a workshop atmosphere for students to have the opportunity to learn the various aspects of technical production by designing and building shows, including areas in lighting design, set design, makeup design, costume design, properties, sound, public relations, and theatre management.

INCLUDED IN WGPA – Y*

Department: Health

Program: Health

HEALTH

WISD #: 66090000

TIER 2

Grades: 09-12

0.5 Credit

Prerequisite:

Students will acquire health information and skills to assist in becoming healthy adults. Students are taught how to access accurate health information. Students are instructed in the decision-making process, problem-solving, research, and goal setting. Department: Languages Other Than English Program: Advanced Placement (AP) courses

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Languages Other Than English

Program: Languages Other Than English

GERMAN IV AP

WISD #: 65450A00 **TIER 1**

Grades: 09-12 **1 Credit**

Prerequisite: German 3/ Application

This advanced placement course is designed for students who are planning to take college level German. It is an intensive study of grammar necessary for accurate written expression, along with culture and extensive language development.

INCLUDED IN WGPA – Y*

Department: Languages Other Than English

Program: Languages Other Than English

SPANISH IV AP

WISD #: 65410A00 **TIER 1**

Grades: 09-12 **1 Credit**

Prerequisite: Spanish 3/Application/AP Req.

This course is designed for students who are not native Spanish speakers. This honors course is an intensive study of grammar necessary for accurate written expression, along with culture and extensive language development. This course is designed to help students prepare for the AP Spanish Examination. Spanish is spoken exclusively in the classroom. This course is a prerequisite for AP Spanish 5 Literature.

INCLUDED IN WGPA – Y*

Department: Languages Other Than English

Program: Languages Other Than English

SPANISH IV NS AP

WISD #: 65420AN0 **TIER 1**

Grades: 09-12 **1 Credit**

Prerequisite: Spanish 3/Application/ 85 average in Span 3

This course is designed for students who are native Spanish speakers. This honors course is an intensive study of grammar necessary for accurate written expression, along with culture and extensive language development. This course is designed to help students prepare for the AP Spanish Examination. This course is designed for students whose home language is Spanish. This course is a prerequisite for AP Spanish 5 Literature.

INCLUDED IN WGPA – Y*

Department: Languages Other Than English

Program: Languages Other Than English

SPANISH V AP

WISD #: 65510A00 **TIER 1**

Grades: 09-12 **1 Credit**

Prerequisite: Spanish 4/Application/ AP Req.

This course is designed for students who have scored a 3 or higher on the Spanish Language AP exam. The course will consist of a survey of Spanish literature. The course will cover poetry and prose texts from the Middle Ages to the beginning of the twentieth century. Students will be expected to prepare for the AP Spanish Literature test in the spring. Student must have scored a 4 or 5 on the Spanish AP test in order to be successful in this course.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Languages Other Than English

Program: Languages Other Than English

GERMAN I

WISD #: 65150000

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

This course introduces the student to German culture through basic reading, writing and listening skills. Development of conversational ability is reinforced by the study of simple grammatical structures.

INCLUDED IN WGPA – Y*

Department: Languages Other Than English

Program: Languages Other Than English

GERMAN II

WISD #: 65250000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: German 1

This course expands the concepts learned in German I by developing reading, writing, and listening skills. Emphasis will be placed on culture and grammar with expansion of vocabulary skills.

INCLUDED IN WGPA – Y*

Department: Languages Other Than English

Program: Languages Other Than English

GERMAN II HONORS

WISD #: 65250P00

TIER 1

Grades: 09-12

1 Credit

Prerequisite: German 1/Application

This accelerated course is designed for highly motivated students who have demonstrated strong mastery of vocabulary and grammar of German 1. The German 2 Honors builds on the foundations developed in German I, and the primary instruction is in German. Students must be prepared for the supplemental expansion of the curriculum as well as the increased vigor of the classroom.

INCLUDED IN WGPA – Y*

Department: Languages Other Than English

Program: Languages Other Than English

GERMAN III HONORS

WISD #: 65350P00

TIER 1

Grades: 09-12

1 Credit

Prerequisite: German 2/Application

Increase vocabulary to enable the student to enhance conversational skills. Mastery of tenses and grammatical cases will be studied along with the introduction of the subjunctive voice. Short stories relating to cultural, popular, and historical literature will be introduced.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Languages Other Than English

Program: Languages Other Than English

SPAN I NS CBE

WISD #: 651100N0 TIER 2

Grades: 09-12 1 Credit

Prerequisite: Concurrent enrollment in SPANISH 2 NS (652100N0)

INCLUDED IN WGPA – Y*

Department: Languages Other Than English

Program: Languages Other Than English

SPAN III NS HONORS

WISD #: 65320PNO TIER 1

Grades: 09-12 1 Credit

Prerequisite: Spanish 2/Application

This course is designed for the students that are native Spanish speakers. This course is designed for students whose home language is Spanish. This honors course is an intensive study of advanced grammar necessary for accurate written expression, along with culture and extensive language development. This course is a prerequisite to AP Spanish 4 for Native Speakers.

INCLUDED IN WGPA – Y*

Department: Languages Other Than English

Program: Languages Other Than English

SPANISH I

WISD #: 65110000 TIER 2

Grades: 09-12 1 Credit

Prerequisite: None

The students in this class will be exposed to basic vocabulary usage for non-native speakers. Emphasis will be preparing students for the ever changing world by giving them skills necessary to communicate in a second language. This course is a prerequisite for Spanish 2 and Spanish 2 PAP.

INCLUDED IN WGPA – Y*

Department: Languages Other Than English

Program: Languages Other Than English

SPANISH I HONORS

WISD #: 65110P00 TIER 1

Grades: 09-12 1 Credit

Prerequisite:

The students in this class will be exposed to basic vocabulary usage of the Spanish language. They will learn proper verb conjugation using the present tense. The course will provide opportunities to read, listen, write, and speak with correct pronunciation. The culture of Spanish-speaking countries will be experienced through holiday activities, history, legends, and readings. Oral proficiency will be a major goal. The students will be introduced to the more rigorous Advanced Placement realm of study. The course will follow the ACTFL World-Readiness Standards of Communication, Cultures, Connections, Comparisons, and Communities.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Languages Other Than English

Program: Languages Other Than English

SPANISH II

WISD #: 65210000 TIER 2

Grades: 09-12 1 Credit

Prerequisite: Spanish 1 or committee approval

This course is a comprehensive study of grammar, conversation, and a cultural history of Spain and Hispanic America through reading selections.

INCLUDED IN WGPA – Y*

Department: Languages Other Than English

Program: Languages Other Than English

SPANISH II HONORS

WISD #: 65210P00 TIER 1

Grades: 09-12 1 Credit

Prerequisite: Application

This accelerated course is designed for highly motivated students who have demonstrated strong mastery of vocabulary and grammar of Spanish 1. Honors Spanish 2 builds on the foundations developed in Spanish 1 and the primary language of instruction is Spanish. Students must be prepared for the supplemental expansion of the curriculum as well as the increased rigor of the classroom.

INCLUDED IN WGPA – Y*

Department: Languages Other Than English

Program: Languages Other Than English

SPANISH II NS

WISD #: 652100N0 TIER 2

Grades: 09-12 1 Credit

Prerequisite: Administration Approval

This course will address the unique instructional needs of those students who speak Spanish fluently or as their first language. This course will develop correct further oral fluency, and written literacy through literature. *Students who display a proficient knowledge of the material covered will receive credit for Spanish 1 and Spanish 2. A passing grade on a Spanish I Credit-by-Exam test given at the beginning of the course is required to remain in the course. This course is a prerequisite for Spanish 3 Honors for Native Speakers.

INCLUDED IN WGPA – Y*

Department: Languages Other Than English

Program: Languages Other Than English

SPANISH III HONORS

WISD #: 65310P00 TIER 1

Grades: 09-12 1 Credit

Prerequisite: Spanish 2/Application

This course is designed for the students that are not native Spanish speakers. This honors course is an intensive study of advanced grammar necessary for accurate written expression, along with culture and extensive language development. Spanish is spoken in the classroom most of the time. This course is a prerequisite to AP Spanish 4 for Non Native Speakers.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Languages Other Than English

Program: Languages Other Than English

SPANISH IV DUAL CREDIT

WISD #: 65410D00 TIER 1

Grades: 11-12 1 Credit

Prerequisite: Spanish III and Pass TSI

This course is designed for students who are not native Spanish speakers. This dual credit course is an intensive study of grammar necessary for accurate written expression, along with culture and extensive language development.

Spanish is spoken exclusively in the classroom.

INCLUDED IN WGPA – Y*

Department: Local Credit

Program: Local Credit

ATHLETIC TRAINER

WISD #: 7551000L TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – N

Department: Local Credit

Program: Local Credit

EARLY RELEASE OLYMPIC TRAINING

WISD #: 8464000L TIER 2

Grades: 09-12 0 Credit

Prerequisite:

INCLUDED IN WGPA – N

Department: Local Credit

Program: Local Credit

GERMAN CULTURAL & LINGUISTIC

WISD #: 6517000L TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – N

Department: Local Credit

Program: Local Credit

GT IND RESEARCH

WISD #: 6620000L TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – N

Willis High School Course Catalog for 2024-2025

Department: Local Credit

Program: Local Credit

MATH LAB

WISD #: 6260000L TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – N

Department: Local Credit

Program: Local Credit

OFFICE AIDE

WISD #: 6684000L TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – N

Department: Local Credit

Program: Local Credit

SPANISH CULTURAL & LINGUISTIC

WISD #: 6512000L TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – N

Department: Local Credit

Program: Local Credit

STUDENT COUNCIL LEADERSHIP

WISD #: 6682000L TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – N

Department: Mathematics

Program: Advanced Placement (AP)

CALCULUS AP

WISD #: 62450A00 TIER 1

Grades: 09-12 1 Credit

Prerequisite: Precal; AP requirements

This course is designed to provide the student with a basic knowledge of functions, limits, continuity, differentiation, and integration of algebraic and trigonometric functions, applications of differentiation, and an introduction to applications of the definite integral. A graphing calculator is required. Check for a list of approved calculators from the AP Central website.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Mathematics

Program: Advanced Placement (AP)

STATISTICS AP

WISD #: 62470A00

TIER 1

Grades: 09-12

1 Credit

Prerequisite: Algebra 2 Pre AP

This course is designed to provide the student with a basic knowledge of functions, limits, continuity, differentiation, and integration of algebraic and trigonometric functions, applications of differentiation, and an introduction to applications of the definite integral. A graphing calculator is required. Check for a list of approved calculators from the AP Central website.

INCLUDED IN WGPA – Y*

Department: Mathematics

Program: Mathematics

ADV QUANTITATIVE REASONING

WISD #: 62410000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Geometry and Algebra 2

Advanced Quantitative Reasoning follows Algebra II and emphasizes statistics and financial applications. AQR prepares students to use a variety of mathematical tools and approaches to model a range of situations and solve problems.

INCLUDED IN WGPA – Y*

Department: Mathematics

Program: Mathematics

ALGEBRA I

WISD #: 62110000

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

This course builds on the foundations encountered in K-8 math. It stresses the importance of algebraic thinking and symbolic reasoning. Students investigate the relationship between equations and functions. Functions are used to model problems and to analyze and interpret relationships. Students learn to use the graphing calculator. For college bound students, a graphing calculator is strongly recommended.

INCLUDED IN WGPA – Y*

Department: Mathematics

Program: Mathematics

ALGEBRA I HONORS

WISD #: 62110P00

TIER 1

Grades: 09-10

1 Credit

Prerequisite:

This course stresses the importance of algebraic thinking and symbolic reasoning. Students investigate the relationship between equations and functions. Functions are used to model problems and to analyze and interpret relationships. This honors course involves extended thinking skills and applications including required projects. This course is recommended for college bound students. A graphing calculator is strongly recommended.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Mathematics

Program: Mathematics

ALGEBRA II

WISD #: 62310000 **TIER 2**
Grades: 09-12 **1 Credit**

Prerequisite: Algebra I

This course continues and enhances Algebra I. It is an important transition course for preparation for higher-level mathematics. The course emphasis is on problem solving and involves extended thinking skills and applications. Students continue to use the graphing calculator.

INCLUDED IN WGPA – Y*

Department: Mathematics

Program: Mathematics

ALGEBRA II HONORS

WISD #: 62310P00 **TIER 1**
Grades: 09-12 **1 Credit**

Prerequisite: Algebra I & Honors requirements

This fast-paced course is an important transition course for preparation for higher-level mathematics. The course emphasis is on problem solving and involves extended thinking skills and applications. Students should be independent learners with the capability to study at a greater depth and rigor. A graphing calculator is strongly recommended.

INCLUDED IN WGPA – Y*

Department: Mathematics

Program: Mathematics

ALGEBRAIC REASONING

WISD #: 62420000 **TIER 2**
Grades: 10-12 **1 Credit**

Prerequisite: Algebra I

In Algebraic Reasoning, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Mathematics

Program: Mathematics

ALGEBRAIC REASONING HONORS

WISD #: 62420000 **TIER 1**

Grades: 11-12 **1 Credit**

Prerequisite: Algebra I

In Algebraic Reasoning, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets. Skills gained in this course will prepare students to take the TSI.

INCLUDED IN WGPA – Y*

Department: Mathematics

Program: Mathematics

BUSINESS CALCULUS DUAL CREDIT

WISD #: 62490D00 **TIER 1**

Grades: 11-12 **1 Credit**

Prerequisite: Algebra II and Pass TSI

This course is the basic study of limits and continuity, differentiation, optimization and graphing, and integration of elementary functions, with emphasis on applications in business, economics, and social sciences.

INCLUDED IN WGPA – Y*

Department: Mathematics

Program: Mathematics

CALCULUS DUAL CREDIT

WISD #: 62460D00 **TIER 1**

Grades: 09-12 **1 Credit**

Prerequisite: Precal; qualifying placement scores

This course is designed to provide the student with a basic knowledge of functions, limits, continuity, differentiation, and integration of algebraic and trigonometric functions, applications of differentiation, and an introduction to applications of the definite integral. A graphing calculator is required. Students in Calculus DC class will be able to receive 4 hours of Lone Star College Credit.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Mathematics

Program: Mathematics

COLLEGE ALG DUAL CREDIT

WISD #: 62120D00 **TIER 1**

Grades: 09-12 **1 Credit**

Prerequisite: Algebra II; Lone Star Acceptance

This course is the basic college level algebra course. A graphing calculator is strongly recommended. Topics include absolute value equations and inequalities, graphing skills, inverse functions, logarithmic and exponential functions, polynomial and rational functions, piecewise-defined functions, theory of equations and systems of equations.

Students in this full year DC class will be able to receive 3 hours of Lone Star College credit.

INCLUDED IN WGPA – Y*

Department: Mathematics

Program: Mathematics

GEOMETRY

WISD #: 62210000 **TIER 2**

Grades: 09-12 **1 Credit**

Prerequisite: Algebra I

Geometry provides experiences that help students develop understanding of shapes and their properties. The topics covered include: lines, segments, and angles; triangles; other polygons; circles; solid geometry; and measurement.

Students continue to use the graphing calculator.

INCLUDED IN WGPA – Y*

Department: Mathematics

Program: Mathematics

GEOMETRY HONORS

WISD #: 62210P00 **TIER 1**

Grades: 09-12 **1 Credit**

Prerequisite: Algebra 1, Honors requirements

Geometry provides experiences that help students develop an understanding of shapes and their properties. The topics covered include: lines, segments, and angles; triangles; other polygons; circles; solid geometry; and measurement.

Students continue to use the graphing calculator. This honors course involves extended thinking skills and applications including required projects. This course is recommended for AP preparation.

INCLUDED IN WGPA – Y*

Department: Mathematics

Program: Mathematics

MATH ELEM TEACHERS DUAL CREDIT

WISD #: 62500D00 **TIER 1**

Grades: 11-12 **1 Credit**

Prerequisite: Algebra II and Pass TSI

This course is intended to build or reinforce a foundation in fundamental mathematics concepts and skills. It includes the conceptual development of the following: sets, functions, numeration systems, number theory, and properties of the various number systems with an emphasis on problem solving and critical thinking.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Mathematics

Program: Mathematics

MMWA

WISD #: 62200000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Algebra I; Approval Only

Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and solve real-life applied problems. Students will use different formats of technology to enhance their mathematical skills.

INCLUDED IN WGPA – Y*

Department: Mathematics

Program: Mathematics

PRECAL DUAL CREDIT

WISD #: 62430D00

TIER 1

Grades: 09-12

1 Credit

Prerequisite: Algebra 1, Algebra 2, Geometry; qualifying placement scores

Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and solve real-life applied problems. Students will use different formats of technology to enhance their mathematical skills.

INCLUDED IN WGPA – Y*

Department: Mathematics

Program: Mathematics

PRECAL HONORS

WISD #: 62430P00

TIER 1

Grades: 09-12

1 Credit

Prerequisite: Algebra 1, Algebra 2, Geometry; qualifying placement scores

Pre-calculus is the preparation for calculus. The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Pre-calculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems. Students will need to supply their own graphic calculators.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Mathematics

Program: Mathematics

PRECALCULUS

WISD #: 62430000

TIER 2

Grades: 09-12

1 Credit

Prerequisite: Algebra I, Geometry, and Algebra II

The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Precalculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.

INCLUDED IN WGPA – Y*

Department: Mathematics

Program: Mathematics

STATISTICS DUAL CREDIT

WISD #: 62480D00

TIER 1

Grades: 11-12

1 Credit

Prerequisite: Algebra II and Pass TSI

In Statistics, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis.

INCLUDED IN WGPA – Y*

Department: Other Electives

Program: Other Electives

ALS I – AMERICAN SIGN LANGUAGE I

WISD #: 65810000

TIER 2

Grades: 09-12

1 Credit

Prerequisite:

ASL I will be offered to 9-12 grade

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Other Electives

Program: Other Electives

COMMUNITY TRANSPORTATION

WISD #: 60800000 TIER 2

Grades: 09-12 0.5 Credit

Prerequisite:

The purpose of this course is to introduce knowledge and skills to empower students to research and access public transportation options in their respective communities. Areas to be addressed include pedestrian and rider safety, navigating public transportation systems, use of technology, and general social skills, including self-advocacy, self-assertiveness, and transportation etiquette. This course provides necessary transportation information, resources, and opportunities that will benefit students in secondary and postsecondary environments as they follow their chosen education or career path.

INCLUDED IN WGPA – Y*

Department: Other Electives

Program: Other Electives

SPORTS MEDICINE I

WISD #: 75550000 TIER 2

Grades: 09-12 1 Credit

Prerequisite: Trainer Approval/Application Required

This course is a classroom study of sports medicine. It is designed to further develop the skills of the student desiring to be in the field of sports medicine.

INCLUDED IN WGPA – Y*

Department: Other Electives

Program: Other Electives

SPORTS MEDICINE II

WISD #: 75560000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

This course is a classroom study of sports medicine. It is designed to further develop the skills of the student desiring to be in the field of sports medicine.

INCLUDED IN WGPA – Y*

Department: Other Electives

Program: Other Electives

TEEN LEADERSHIP

WISD #: 66810000 TIER 2

Grades: 09-12 0.5 Credit

Prerequisite:

Teen Leadership will help students improve their social and study skills. Skills include taking responsibility for behavior, character development, conflict resolution, improving communication, goal setting, time management, and organization. Much of this class will be project oriented.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Physical Education

Program: PE Substitution

BASEBALL YR I

WISD #: 80130000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

BASEBALL YR II

WISD #: 80140000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

BASEBALL YR III

WISD #: 80150000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

BASEBALL YR IV

WISD #: 80160000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

BOYS BASKETBALL YR I

WISD #: 80050000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Physical Education

Program: PE Substitution

BOYS BASKETBALL YR II

WISD #: 80060000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

BOYS BASKETBALL YR III

WISD #: 80070000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

BOYS BASKETBALL YR IV

WISD #: 80080000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

BOYS GOLF YR I

WISD #: 80170000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

BOYS GOLF YR II

WISD #: 80180000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Physical Education

Program: PE Substitution

BOYS GOLF YR III

WISD #: 80190000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

BOYS GOLF YR IV

WISD #: 80200000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

BOYS SOCCER YR I

WISD #: 80090000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

BOYS SOCCER YR II

WISD #: 80100000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

BOYS SOCCER YR III

WISD #: 80110000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Physical Education

Program: PE Substitution

BOYS SOCCER YR IV

WISD #: 80120000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

CROSS COUNTRY YR I

WISD #: 82050000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

CROSS COUNTRY YR II

WISD #: 82060000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

CROSS COUNTRY YR III

WISD #: 82070000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

CROSS COUNTRY YR IV

WISD #: 82080000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Physical Education

Program: PE Substitution

FOOTBALL YR I

WISD #: 80010000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

FOOTBALL YR II

WISD #: 80020000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

FOOTBALL YR III

WISD #: 80030000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

FOOTBALL YR IV

WISD #: 80040000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

GIRLS BASKETBALL YR I

WISD #: 81050000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Physical Education

Program: PE Substitution

GIRLS BASKETBALL YR II

WISD #: 81060000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

GIRLS BASKETBALL YR III

WISD #: 81070000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

GIRLS BASKETBALL YR IV

WISD #: 81080000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

GIRLS GOLF YR I

WISD #: 81170000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

GIRLS GOLF YR II

WISD #: 81180000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Physical Education

Program: PE Substitution

GIRLS GOLF YR III

WISD #: 81190000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

GIRLS GOLF YR IV

WISD #: 81200000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

GIRLS SOCCER YR I

WISD #: 81090000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

GIRLS SOCCER YR II

WISD #: 81100000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

GIRLS SOCCER YR III

WISD #: 81110000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Physical Education

Program: PE Substitution

GIRLS SOCCER YR IV

WISD #: 81120000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

INDIVIDUAL & TEAM SPORT

WISD #: 75010000 TIER 2

Grades: 09-12 1 Credit

Prerequisite: Foundations of Personal Fitness

In individual and team sports, students will be required to actively engage in a wide variety of physical activities that will stimulate both the body and the mind. Students will learn and practice various skills necessary to be successful in different team and individual sports. This course will provide an opportunity for students to experience lifetime sports and activities that will promote the concept of physical fitness for a lifetime. The course will educate students on the basic rules, strategies and knowledge of team and individual sports.

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

PE NON DIST I

WISD #: 83010000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

PE NON DIST II

WISD #: 83020000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

PE NON DIST III

WISD #: 83040000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Physical Education

Program: PE Substitution

PE NON DIST IV

WISD #: 83050000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

SOFTBALL YR I

WISD #: 81130000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

SOFTBALL YR II

WISD #: 81140000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

SOFTBALL YR III

WISD #: 81150000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

SOFTBALL YR IV

WISD #: 81160000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Physical Education

Program: PE Substitution

SWIM I

WISD #: 82110000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

SWIM II

WISD #: 82120000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

SWIM III

WISD #: 82130000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

SWIM IV

WISD #: 82140000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

TENNIS YR I

WISD #: 82010000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Physical Education

Program: PE Substitution

TENNIS YR II

WISD #: 82020000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

TENNIS YR III

WISD #: 82030000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

TENNIS YR IV

WISD #: 82040000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

VOLLEYBALL YR I

WISD #: 81010000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

VOLLEYBALL YR II

WISD #: 81020000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Physical Education

Program: PE Substitution

VOLLEYBALL YR III

WISD #: 81030000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

VOLLEYBALL YR IV

WISD #: 81040000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

University Interscholastic League (UIL) Competitive Sport

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

WRESTLING I

WISD #: 82210000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

WRESTLING II

WISD #: 82220000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: PE Substitution

WRESTLING III

WISD #: 82230000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Physical Education

Program: PE Substitution

WRESTLING IV

WISD #: 82240000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: Physical Education

AEROBIC ACTIVITIES

WISD #: 75020000 TIER 2

Grades: 09-12 1 Credit

Prerequisite: Foundations of Personal Fitness

Students will participate in various aerobic activities to promote a healthy lifestyle. Students will be given the opportunity to acquire knowledge and skills necessary for enjoyment and social development through physical activity.

INCLUDED IN WGPA – Y*

Department: Physical Education

Program: Physical Education

PERSONAL FITNESS

WISD #: 75000000 TIER 2

Grades: 09-12 1 Credit

Prerequisite: Foundations of Personal Fitness

The basic purpose of this course is to motivate students to achieve lifetime personal fitness with an emphasis on the health-related components of physical fitness. The concept of wellness, or striving to reach optimal levels of health, is the corner stone of this course and is exemplified by one of the course objectives: students designing their own personal fitness program as a way to develop the skills necessary to become fit and achieve some degree of fitness within the course.

INCLUDED IN WGPA – Y*

Department: Science

Program: Advanced Placement (AP) courses

BIOLOGY AP

WISD #: 63110A00 TIER 1

Grades: 09-12 1 Credit

Prerequisite: Chem., Alg. 2 or concurrent, AP requirements

This is an advanced study of physical and chemical biological processes. This is designed as a college level course.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Science

Program: Advanced Placement (AP) courses

AP Environmental Science

WISD #: 63550A00 **TIER 1**

Grades: 11-12 **1 Credit**

Prerequisite: 2 years of high school laboratory science, at least 1 year of algebra

Explore and investigate the interrelationships of the natural world and analyze environmental problems, both natural and human-made. This course will include laboratory investigations and field work.

INCLUDED IN WGPA – Y*

Department: Science

Program: Advanced Placement (AP) courses

CHEMISTRY AP

WISD #: 63310A00 **TIER 1**

Grades: 09-12 **1 Credit**

Prerequisite: Chem and Pre-Cal or concurrent, AP requirements

Emphasis in this honors level course is on advanced level experimentation and in-depth studies. This is designed as a college level course. Students will prepare to take the AP Exams in the spring.

INCLUDED IN WGPA – Y*

Department: Science

Program: Advanced Placement (AP) courses

PHYSICS AP I

WISD #: 63520A00 **TIER 1**

Grades: 10-12 **1 Credit**

Prerequisite: Geometry and concurrent enrollment in Algebra II or equivalent (Honors recommended)

This is the honors physics course. Both two-dimensional and three-dimensional physical situations at multiple angles are explored. Analysis techniques are primarily mathematical. Problems often involve integrating concepts from multiple physics areas.

INCLUDED IN WGPA – Y*

Department: Science

Program: Advanced Placement (AP) courses

PHYSICS AP2

WISD #: 63530A00 **TIER 1**

Grades: 09-12 **1 Credit**

Prerequisite: AP Physics I and Pre-Cal or concurrent

In Physics 2, students develop a deep understanding of foundational principles of physics in classical mechanics and modern physics by applying these principles to complex physical situations that combine multiple aspects of physics rather than present concepts in isolation. Students will discuss, confer, and debate with classmates to explain a physical phenomenon investigated in class and design and conduct inquiry-based laboratory investigations to solve problems through first-hand observations, data collection, analysis and interpretation.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Science

Program: Science

AQUATIC SCIENCE

WISD #: 63620000 **TIER 2**

Grades: 09-12 **1 Credit**

Prerequisite: Biology

A study of the basic ecological knowledge and theories concerning the structure and function of aquatic environments is the focus of this course. This course is recommended for 12th graders.

INCLUDED IN WGPA – Y*

Department: Science

Program: Science

ASTRONOMY

WISD #: 63630000 **TIER 2**

Grades: 09-12 **1 Credit**

Prerequisite: 2 Science Credits

This class will be a study of the cosmos. Topics will include: planets, comets, asteroids in our solar system, galaxies, life and death of stars, theories on the evolution of the universe and instruction on the dynamics and viewing of constellations in the night sky, space flight, and history of the sun, the moon and the possibility of life elsewhere.

INCLUDED IN WGPA – Y*

Department: Science

Program: Science

BIOLOGY

WISD #: 63110000 **TIER 2**

Grades: 09-12 **1 Credit**

Prerequisite:

This course is a lab-oriented study of living systems and plants and the environment.

INCLUDED IN WGPA – Y*

Department: Science

Program: Science

BIOLOGY HONORS

WISD #: 63110P00 **TIER 1**

Grades: 09-12 **1 Credit**

Prerequisite: Honors requirements

This honors level course is a lab-oriented study of living systems and plants and the environment.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Science

Program: Science

CHEMISTRY

WISD #: 63310000 TIER 2

Grades: 09-12 1 Credit

Prerequisite: Biology

This course emphasizes experimentation in which the student investigates a variety of chemical processes.

INCLUDED IN WGPA – Y*

Department: Science

Program: Science

CHEMISTRY HONORS

WISD #: 63310P00 TIER 1

Grades: 09-12 1 Credit

Prerequisite: Bio & Alg. 2 Honors, or concurrent; Honors requirements

This honors course emphasizes experimentation in which the student investigates a variety of chemical processes.

INCLUDED IN WGPA – Y*

Department: Science

Program: Science

EARTH & SPACE

WISD #: 63640000 TIER 2

Grades: 09-12 1 Credit

Prerequisite: 2 Science Credits

This course is designed to build greater knowledge of the Earth's system in space and time, the solid Earth, the fluid Earth and Energy. This course is recommended for 12th graders.

INCLUDED IN WGPA – Y*

Department: Science

Program: Science

ENVIRONMENTAL SCI DUAL CREDIT

WISD #: 63650D00 TIER 1

Grades: 11-12 1 Credit

Prerequisite: Pass TSI

Interdisciplinary study of both natural (biology, chemistry, geology) and social (economics, politics, ethics) sciences as they apply to the environment. Focus is on the role of science in addressing global environmental concerns. Concepts include ethics, policy, matter, energy, species biodiversity, ecology, human populations, food and agriculture. Practical laboratory experience emphasizes the application of fundamental principles of biology and chemistry as well as critical thinking and analysis.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Science

Program: Science

ENVIRONMENTAL SYSTEMS

WISD #: 63610000 TIER 2

Grades: 09-12 1 Credit

Prerequisite: Administrative Approval

This course will analyze environmental systems from the biological, chemical and physical aspects. Students will apply TEKS from Biology, Chemistry, and/ or Physics to the study of energy and the ecosystem.

INCLUDED IN WGPA – Y*

Department: Science

Program: Science

IPC

WISD #: 63210000 TIER 2

Grades: 09-12 1 Credit

Prerequisite: Alg. 1 or concurrent

This course is an introduction to the fundamental sciences of physics and chemistry.

INCLUDED IN WGPA – Y*

Department: Science

Program: Science

PHYSICS

WISD #: 63420000 TIER 2

Grades: 09-12 1 Credit

Prerequisite: 2 Science Credits & Algebra 2 concurrent

This course is organized as a general physics course. Physics areas include: Newtonian Mechanics, Fluid Mechanics, Thermal Physics, Electricity and Magnetism, Waves and Optics, and Atomic and Nuclear Physics. Physical situations studied are primarily two dimensional at any angle. Analysis techniques are less graphical and more mathematical.

INCLUDED IN WGPA – Y*

Department: Social Studies

Program: Advanced Placement (AP) courses

GOVERNMENT AP

WISD #: 64410A00 TIER 1

Grades: 09-12 0.5 Credit

Prerequisite: U. S. History, AP requirements

A survey of the Federal government including such topics such as the US Constitution; democratic theory; federalism; political culture, political socialization and public opinion; political participation and electoral behavior; political parties and interest groups; press; Presidency, the Congress and the Courts; the role played by the Bureaucracy, Social policy, Economic policy, and the dynamic nature of American Foreign Policy. These phenomena are examined at the national levels with an emphasis placed on linkages with the formulation of public policy. Students will actively exhibit their comprehension of the concepts through creation of materials such as campaign commercials, yard signs, infographics, and compositions. Students will also be exposed to professionals working in careers related to the various topics in a series of digital and in class forums.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Social Studies

Program: Advanced Placement (AP) courses

HUMAN GEOGRAPHY AP

WISD #: 64120A00 **TIER 1**

Grades: 09-12 **1 Credit**

Prerequisite:

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012).

INCLUDED IN WGPA – Y*

Department: Social Studies

Program: Advanced Placement (AP) courses

PSYCHOLOGY AP

WISD #: 64620A00 **TIER 1**

Grades: 11-12 **0.5 Credit**

Prerequisite:

Psychology AP introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major sub fields within psychology. They also learn about the ethics and methods psychologists use in their science and practices.

INCLUDED IN WGPA – Y*

Department: Social Studies

Program: Advanced Placement (AP) courses

US HISTORY AP

WISD #: 64310A00 **TIER 1**

Grades: 09-12 **1 Credit**

Prerequisite: World History, AP requirements

APUSH a survey of the social, political, economic, cultural, and intellectual, history of the United States from the Pre-Columbian era to the present. Themes to be addressed can include, but are not limited to the following: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the creation and later expansion of the federal government, and the study of U.S. foreign policy.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Social Studies

Program: Advanced Placement (AP) courses

WORLD HISTORY AP

WISD #: 64230A00 **TIER 1**

Grades: 09-12 **1 Credit**

Prerequisite: AP requirements

Explore key themes of world history, including interaction with the environment, cultures, state-building, economic systems, and social structures, from approximately 8000 B.C.E. to the present.

INCLUDED IN WGPA – Y*

Department: Social Studies

Program: Social Studies

GOVERNMENT

WISD #: 64410000 **TIER 2**

Grades: 09-12 **.05 Credit**

Prerequisite: U. S. History

Studies the principles and beliefs upon which the U.S. was founded and on the structure, functions, and powers of government at the national, state, and local levels.

INCLUDED IN WGPA – Y*

Department: Social Studies

Program: Social Studies

GOVERNMENT DUAL CREDIT

WISD #: 6441AD00 **TIER 1**

Grades: 09-12 **.05 Credit**

Prerequisite:

INCLUDED IN WGPA – Y*

Department: Social Studies

Program: Social Studies

MICROECONOMICS DUAL CREDIT

WISD #: 64520D00 **TIER 1**

Grades: 12 **.05 Credit**

Prerequisite: Pass TSI

Students cultivate their understanding of the principles that apply to the functions of individual economic decision-makers by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts, and data as they explore concepts like scarcity and markets; costs, benefits, and marginal analysis; production choices and behavior; and market inefficiency and public policy.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Social Studies

Program: Social Studies

PSYCHOLOGY

WISD #: 64620000 TIER 2

Grades: 09-12 .05 Credit

Prerequisite:

Students study topics such as theories of human development, personality, motivation, and learning.

INCLUDED IN WGPA – Y*

Department: Social Studies

Program: Social Studies

PSYCHOLOGY DUAL CREDIT

WISD #: 64620D00 TIER 1

Grades: 09-12 .05 Credit

Prerequisite: Lone Star Acceptance

This is an introductory course dealing with the elementary principles of human behavior. It is designed especially for those students majoring in the social or biological science, pre-medicine, or education. Students successfully completing this course will receive 3 credit hours from Lone Star College for PSYC 2301.

INCLUDED IN WGPA – Y*

Department: Social Studies

Program: Social Studies

SOCIOLOGY

WISD #: 64610000 TIER 2

Grades: 09-12 .05 Credit

Prerequisite:

This course is designed to provide the study of information and understanding of the American people, their culture, and interactions. Content includes both the individual and family and how society affects each.

INCLUDED IN WGPA – Y*

Department: Social Studies

Program: Social Studies

SP TOPICS SS_I

WISD #: 64350000 TIER 2

Grades: 09-12 0.5 Credit

Prerequisite:

Special Topics in Social Studies is a remedial course for students needed to pass US History EOC.

INCLUDED IN WGPA – Y*

Department: Social Studies

Program: Social Studies

SP TOPICS SS_II

WISD #: 64360000 TIER 2

Grades: 09-12 0.5 Credit

Prerequisite:

Special Topics in Social Studies is a remedial course for students needed to pass US History EOC.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Social Studies

Program: Social Studies

US HISTORY

WISD #: 64310000 TIER 2

Grades: 09-12 1 Credit

Prerequisite: World History

A history of the United States, from Reconstruction to the present.

INCLUDED IN WGPA – Y*

Department: Social Studies

Program: Social Studies

US HISTORY DUAL CREDIT

WISD #: 64310D00 TIER 1

Grades: 09-12 1 Credit

Prerequisite: World History, Qualifying placement scores

Honors class that covers the history of the United States from discovery until the present. The AP course prepares students to take the AP Exam in the spring. Dual Credit course meets the requirements of WHS US History and Lone Star College's History 1301 and 1302. Student must complete both semesters for WHS credit.

INCLUDED IN WGPA – Y*

Department: Social Studies

Program: Social Studies

WORLD HISTORY DUAL CREDIT

WISD #: 64310D00 TIER 1

Grades: 09-12 1 Credit

Prerequisite: World History, Qualifying placement scores

Honors class that covers the history of the United States from discovery until the present. The AP course prepares students to take the AP Exam in the spring. Dual Credit course meets the requirements of WHS US History and Lone Star College's History 1301 and 1302. Student must complete both semesters for WHS credit.

INCLUDED IN WGPA – Y*

Department: Social Studies

Program: Social Studies

WORLD GEOGRAPHY

WISD #: 64110000 TIER 2

Grades: 09-12 1 Credit

Prerequisite:

A study of people, places, and environments.

INCLUDED IN WGPA – Y*

Willis High School Course Catalog for 2024-2025

Department: Social Studies

Program: Social Studies

WORLD GEOGRAPHY HONORS

WISD #: 64110P00 TIER 1

Grades: 09-12 1 Credit

Prerequisite: Honors requirements

An honors course which studies people, places, and environments. PAP is a challenging course that prepares students for college level work by using more rigorous curriculum.

INCLUDED IN WGPA – Y*

Department: Social Studies

Program: Social Studies

WORLD HISTORY

WISD #: 64210000 TIER 2

Grades: 09-12 1 Credit

Prerequisite: World Geography

Study of significant people, events, and issues from the earliest times to the present.

INCLUDED IN WGPA – Y*

Department: Social Studies

Program: Social Studies

WORLD HISTORY DUAL CREDIT

WISD #: 64210D00 TIER 2

Grades: 11-12 1 Credit

Prerequisite: World Geography and Pass TSI

Study of significant people, events, and issues from the earliest times to the present.

INCLUDED IN WGPA – Y*

***APPLICABLE TO FRESHMEN STUDENTS ENTERING HIGH SCHOOL IN FALL OF 2022 (COHORT 2026) AND BEYOND.**

Students who have started high school before the fall of 2022 will be under the previous weighting policy. Please refer to the 2021-2022 Course Catalog for the course which are weighted toward a student's GPA. Additionally for incoming students cohort 2026 and beyond, Willis ISD strives to encourage students to pursue their areas of interests in order to enrich their academic experiences and achievements. The GPA exemption is in place to allow students to exempt up to two credits during their high school career. We believe this will foster continued and increased involvement in extracurricular programs and ensure that all of our students have access to a well-rounded education.