

PLEASANT
GROVE

2023-2024
COURSE
CATALOG

FRESHMAN CATALOG



Pleasant Grove High School

2023-2024 Course Guide

MISSION AND BELIEFS

The mission of Pleasant Grove High School is to ensure postsecondary success for all students.

The vision of Pleasant Grove High School is to align our policies, programs, and practices to reflect our commitment to ensuring postsecondary success for all students.

To ensure post-secondary success for all students, PGHS is committed to:

- Being dedicated to the success and well-being of every student and staff member.
- Setting high expectations for behavior and citizenship by exhibiting respect, integrity, accountability, and responsibility.
- Building a guaranteed and viable core curriculum that challenges students and is developmentally appropriate.
- Learning continuously as a team with a “learning by doing” mindset founded on best practices and current research.
- Collaborating consistently with our teams to support each other in data-driven decision making to develop instructional strategies and design methods of assessment.
- Communicating effectively with parents and students.
- Providing a systematic process for intervention.

PHILOSOPHY OF EDUCATION

Pleasant Grove schools are committed to the general philosophy that education should provide appropriate learning experiences for every child within the district. Experiences provide for each child to continually develop and improve - emotionally, physically, morally, socially and intellectually. Pleasant Grove I.S.D. acknowledges that the student of today will live in a society demanding knowledge and skills related to the use of computers and other technologies. Evidence indicates that the district's schools are committed to the development of the "whole" child. Our curriculum is in a state of continuous study and revision, readily adaptable to meet the changing needs of children and provides a foundation of knowledge.

Methods of instruction reflect recognition of individual differences among students. Instruction equips students with real world work skills, human relations skills, respect for authority, appreciation of our American heritage and other world cultures, knowledge of how and where to obtain needed information, and an understanding of computers and other technologies which will enable them to function in an ever-changing global society.

Well-trained and highly competent staff members take pride in their professional commitment to the intellectual, social, and moral development of school children. Continuous staff development and professional growth experiences are encouraged. Discipline is considered vitally important to a vigorous educational program.

Overall, the school's efforts are directed to the end that each student will become a productive member of our global society, capable and desirous of making a definite and positive contribution to the society and to himself/herself.

Pleasant Grove High School

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General Information

PLANNING YOUR HIGH SCHOOL PROGRAM

Students,

In four years, you will be graduating from high school. These years will pass very quickly. High school will be a very exciting time, but it should also be considered as the start of the rest of your life. High school is the time to prepare for your future.

It is not too early to consider possible future vocations, careers, or professions. The Career Cluster Program is an excellent source for making these considerations. A carefully planned high school program should be in place to prepare you for your future endeavors.

When planning your high school program, it is very important that you choose courses that will meet your current after high school plans as well as possible alternative plans. In other words, do not necessarily limit your preparation to one narrowly defined path. Choose some courses as explorations in unknown areas. Think in terms of preparing yourself for a rapidly changing world.

Be sure to consider your educational needs when planning your high school program. To meet your future goals, you may need on-the-job training, a vocational degree, or a college degree. There are prerequisites for all these areas. Be sure your high school plan includes courses that will help to prepare you for the next level of training or education.

Within the Appendix section of the course guide are outlines of graduation programs. Review the current graduation plans and use them as guides to complete your four-year plan. The State of Texas has enacted several changes to graduation requirements for students entering high schools. Be sure you are working on the correct graduation plan worksheet for the year in which you first enrolled in high school.

If you have any questions during this planning process, feel free to contact a counselor or one of the principals on the high school campus.

Thank You,

Kristen Giles

PGHS Principal

PGHS Career Technology Education (CTE) Pathways

Business, Marketing, and Finance Career Cluster

The Business, Marketing, and Finance Career Cluster focuses on careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.

Accounting and Financial Services Statewide Program of Study



The Accounting and Financial Services program of study teaches CTE learners how to examine, analyze, and interpret financial records. Through this program of study, students will learn the skills necessary to perform financial services, prepare financial statements, interpret accounting records, give advice, or audit and evaluate statements prepared by others. This program of study will also introduce students to mathematical modeling tools.

Secondary Courses for High School Credit

Level 1

- Principles of Business, Marketing, and Finance
- Money Matters
- Business Information Management I/Lab

Level 2

- Accounting I

Level 3

- Accounting II

Level 4

- Securities and Investments
- Practicum in Business Management
- Career Preparation I

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> • Participate in Business Professionals of America, Future Business Leaders of America, or DECA 	<ul style="list-style-type: none"> • Intern with a local accounting firm • Earn Microsoft Office certifications

Industry-Based Certifications

- Accounting - Basic
- Accounting Foundations
- Intuit QuickBooks Certified User
- MB-920: Microsoft Dynamics 365 Fundamentals Finance and Operations Apps
- Microsoft Office Specialist: Microsoft Access Expert (Access and Access 2019) Microsoft Office Specialist: Microsoft Excel Expert (Excel and Excel 2019)
- Volunteer Income Tax Assistance/Tax Counseling Certification: Advanced
- Volunteer Income Tax Assistance/Tax Counseling Certification: Basic
- Volunteer Income Tax Assistance/Tax Counseling Certification: Volunteer for Elderly

- Microsoft Office Specialist-Excel*

*IBC sunseting 8/31/24

Postsecondary Opportunities

Associates Degrees

- Real Estate
- Financial, General
- Financial Planning and Services
- Certified Income Specialist

Bachelor's Degrees

- Accounting
- Financial, General
- Financial Planning and Services
- Certified Income Specialist

Master's, Doctoral, and Professional Degrees

- Financial Accounting
- Business Administration
- Financial Planning

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Accountants and Auditors	\$71,469	14,436	22%
Loan Officers	\$68,598	2,419	19%
Personal Financial Advisors	\$86,965	1,861	52%
Administrative service Managers	\$96,138	2,277	21%
Insurance Underwriters	\$66,206	594	14%

Successful completion of the Accounting and Financial Services program of study will fulfill requirements of the Business and Industry endorsement. Revised – August 2022



Business, Marketing, and Finance Career Cluster

The Business, Marketing, and Finance Career Cluster focuses on careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.

Business Management Statewide Program of Study



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

Secondary Courses for High School Credit

Level 1

- Principles of Business, Marketing, and Finance
- Business Information Management I/Lab

Level 2

- Business Law
- Virtual Business
- Business Information Management II/Lab

Level 3

- Global Business

Level 4

- Practicum in Business Management
- Career Preparation I

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> • Participate in Business Professional of America, Future Business Leaders of America, or DECA 	<ul style="list-style-type: none"> • Intern with a local business or chamber of commerce

Industry-Based Certifications

- Administrative Assisting
- Certified Associate in Project Management (CAPM)
- Entrepreneurship and Small Business
- General Management
- MB-920: Microsoft Dynamics 365 Fundamentals Finance and Operations Apps
- Microsoft Office Specialist 2016 Master
- Microsoft Office Specialist: Microsoft Access Expert (Access and Access 2019)
- Microsoft Office Specialist: Microsoft Excel Expert (Excel and Excel 2019)
- Microsoft Office Specialist: Microsoft Word Expert (Word and Word 2019)
- Project Management Institute (PMI) Project Management Ready

- Microsoft Office Specialist-Excel*
- Microsoft Office Specialist-Word*

*IBC sunseting 8/31/24

Postsecondary Opportunities

Associates Degrees

- Business Administration
- Business/Commerce
- Public Administration
- Business Management

Bachelor's Degrees

- Business Administration
- Business/Commerce
- Public Administration
- Management Science

Master's, Doctoral, and Professional Degrees

- Business Administration
- Business Management
- Public Administration
- Management Science

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Administrative Service Managers	\$96,138	2,277	21%
Management Analysts	\$87,651	4,706	32%
General and Operations Managers	\$107,640	18,679	20%
Supervisors of Administrative Support Works	\$57,616	14,982	20%

Successful completion of the Business Management program of study will fulfill requirements of the Business and Industry endorsement. Revised – August 2022



Architecture and Construction Career Cluster

The Architecture and Construction Career Cluster focuses on designing, planning, managing, building, and maintaining the built environment. Principles of Architecture provides an overview to the various fields of architecture, interior design, and construction management.

Architectural Design Statewide Program of Study



The Architectural Design program of study explores the occupations and educational opportunities associated with developing, engineering, and designing building structures and facilities. This program of study may also include exploration into collecting and interpreting geographic information, researching and preparing maps, and interior design.

Secondary Courses for High School Credit

Level 1

Level 2

- Interior Design I

Level 3

- Interior Design II

Level 4

- Career Preparation I

Postsecondary Opportunities

Associates Degrees

- Architecture
- Interior Design
- Civil Engineering, General
- Geographic Information Science and Cartography

Bachelor's Degrees

- Architecture
- Interior Design
- Civil Engineering, General
- Geographic Information Science and Cartography

Master's, Doctoral, and Professional Degrees

- Architecture
- Interior Architecture
- Civil Engineering, General
- Geographic Information Science and Cartography

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> Shadow an architect, interior designer or civil engineer Participate in SkillsUSA 	<ul style="list-style-type: none"> Intern at an architectural firm

Industry-Based Certifications

- Autodesk Associate (Certified User) 3ds MAX
- Autodesk Associate (Certified User & Professional) AutoCAD
- Autodesk Associate (Certified User & Professional) Fusion 360
- Autodesk Associate (Certified User) Revit Architecture
- Autodesk Associate (Certified User) Revit for Electrical
- Autodesk Associate (Certified User) Revit for Structural Design
- Autodesk Certified Professional in AutoCAD for Design and Drafting
- Autodesk Certified Professional & Certified User in Civil 3D for Infrastructure Design
- Autodesk Certified Professional in Revit for Architectural Design
- Autodesk Certified Professional in Revit for Electrical Design
- Autodesk Certified Professional in Revit for Structural Design
- Certified SOLIDWORKS Associate (CSWA) – Electrical
- Certified SOLIDWORKS Associate (CSWA) & Professional (CSWP) – Academic
- Certified SOLIDWORKS Professional (CSWP) - Drawing Tools
- Certified SOLIDWORKS Professional (CSWP) - Model Based Definition
- Certified SOLIDWORKS Associate (CSWA) & Professional (CSWP)- Simulation
- Certified SOLIDWORKS Associate (CSWA- Sustainability)
- LEED Green Associate

- Certified SOLIDWORKS Associate*
- Mastercam Associate Certification*

*IBC sunseting 8/31/24

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Architects	\$77,043	808	16%
Geographic Information Analysts and Surveyors	\$58,926	162	27%
Architectural/ Civil Drafters	\$50,170	1,068	9%
Construction Managers	\$87,402	2,401	14%

Successful completion of the Architectural Design program of study will fulfill requirements of the Business and Industry endorsement or STEM endorsement if the math and science requirements are met. Revised – August 2022



Human Services Career Cluster

The Human Services Career Cluster focuses on preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care services, and consumer services.

Health and Wellness Statewide Program of Study



The Health and Wellness program of study introduces students to knowledge and skills related to promoting physical, emotional, social, and mental health and wellness. Students who choose this program of study may learn how to assist patients in planning for their health and wellness, respond to crises, and advise, provide education or counseling, or make referrals. CTE learners may also focus on addressing barriers to access health and wellness services.

Secondary Courses for High School Credit

Level 1

- Principles of Human Services

Level 2

- Lifetime Nutrition and Wellness
- Human Growth and Development
- Interpersonal Studies

Level 3

Level 4

- Career Preparation I

Postsecondary Opportunities

Associates Degrees

- Nutrition Sciences
- Community Health Services/Liaison/Counseling
- Health and Wellness, General
- Public Health

Bachelor's Degrees

- Nutrition Sciences
- Mental Health Counseling/Counselor
- Nutrition
- Human Nutrition and Foods

Master's, Doctoral, and Professional Degrees

- Nutrition Sciences
- Community Health and Preventative Medicine
- Nutrition
- Exercise and Sports Nutrition

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> Participate in American Association of Family and Consumer Sciences or the Family Career and Community Leaders of America 	<ul style="list-style-type: none"> Job shadow a dietitian or nutritionist Work part-time at a counseling services center, health department or hospital

Industry-Based Certifications

- Community Health Workers
- Pre-Professional Certification in Nutrition, Food, and Wellness
- Licensed Dietetic Technician*

*IBC Sunsetting 8/31/24



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Community Health Workers	\$38,064	592	25%
Rehabilitation Counselors	\$43,930	586	23%
Mental Health Counselors	\$41,558	812	38%
Health Care Social Workers	\$55,515	1,583	35%

Successful completion of the Health and Wellness program of study will fulfill requirements of the Public Service endorsement. Revised – August 2022



Arts, Audio/Video Technology, and Communications Career Cluster

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

Graphic Design & Multimedia Arts Statewide Program of Study



The Graphic Design and Multimedia Arts program of study explores the occupations and educational opportunities associated with designing or creating graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. This program of study may also include exploration into designing clothing and accessories, and creating special effects, animation, or other visual images using film, video, computers, or other electronic tools and media, for use in computer games, movies, music videos, and commercials.

Secondary Courses for High School Credit

Level 1

- Principles of Arts, A/V Technology, and Communications
- Video Game Design
- Digital Media

Level 2

- Graphic Design and Illustration I/Lab
- Animation I/Lab
- Video Game Programming

Level 3

- Graphic Design and Illustration II/Lab
- Animation II/Lab

Level 4

- Practicum in Graphic Design and Illustration
- Practicum in Animation
- Career Preparation I

Postsecondary Opportunities

Associates Degrees

- Animation, Interactive Technology, Video Graphics and Special Effects
- Graphic Design
- Game and Interactive Media Design

Bachelor's Degrees

- Animation, Interactive Technology, Video Graphics and Special Effects
- Graphic Design
- Game and Interactive Media Design

Master's, Doctoral, and Professional Degrees

- Animation, Interactive Technology, Video Graphics and Special Effects
- Graphic Design
- Intermedia/Multimedia

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> • Join a website development or coding club • Participate in SkillsUSA or TSA 	<ul style="list-style-type: none"> • Intern with a multimedia or animation studio • Obtain a certificate or certification in graphic design

Industry-Based Certifications

- Adobe Certified Professional in Digital Video Using Adobe Premiere Pro
- Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator
- Adobe Certified Professional in Print and Digital Media Publication Using Adobe InDesign
- Adobe Certified Professional in Visual Design
- Adobe Certified Professional in Visual Design Using Adobe Photoshop
- Adobe Certified Professional In Visual Effects and Motion Graphics Using Adobe After Effects
- Audio-Visual Communications - Job Ready
- Autodesk Associate (Certified User) 3ds MAX
- Certified Professional Photographer
- Certified Professional Programmer
- Certified User: Programmer
- CodeHS Python Level 1 Certification
- Graphic Production Technology - Job Ready
- C++ Certified Associate Programmer
- Oracle Certified Associate Java SE 9 Programmer
- Certified Entry-Level Python Programmer (PCEP)

- Adobe Certified Professional Animate*

*IBC Sunsetting 8/31/24

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Graphic Designers	\$44,824	1,433	15%
Multimedia Artists and Animators	\$67,392	186	21%

Successful completion of the Graphic Design & Multimedia Arts program of study will fulfill requirements of the Business and Industry endorsement. Revised – August 2022



Arts, Audio/Video Technology, and Communications Career Cluster

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

Digital Communications Statewide Program of Study



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

Secondary Courses for High School Credit

Level 1

- Principles of Arts, Audio/Video Technology, and Communications
- Professional Communications
- Digital Communications in the 21st Century

Level 2

- Audio/Video Production I/Lab
- Digital Audio Technology I

Level 3

- Audio/Video Production II/Lab

Level 4

- Practicum of Audio/Video Production
- Career Preparation I

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> • Shadow a production team • Participate in SkillsUSA or TSA 	<ul style="list-style-type: none"> • Intern at a local television station or video production company • Work with a local company on a project

Industry-Based Certifications

- Adobe Certified Professional in Print and Digital Media Publication Using Adobe InDesign
- Adobe Certified Professional in Print and Digital Media Publication Using Adobe InDesign
- Adobe Certified Professional in Visual Design
- Adobe Certified Professional in Visual Design Using Adobe Photoshop
- Audio-Visual Communications - Job Ready
- Broadcasting and Journalism
- Digital Video Production Foundations



Postsecondary Opportunities

Associates Degrees

- Recording Arts Technology/Technician
- Cinematography and Film/Video Production
- Radio and Television Broadcasting Technology/Technician
- Music Technology

Bachelor's Degrees

- Recording Arts Technology/Technician
- Cinematography and Film/Video Production
- Radio and Television
- Agricultural Communication/Journalism

Master's, Doctoral, and Professional Degrees

- Communications Technology/Technician
- Cinematography and Film/Video Production
- Radio and Television
- Agricultural Communication/Journalism

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Sound Engineering Technicians	\$39,562	79	27%
Camera Operators, Television, Video, and Motion Picture	\$50,024	129	9%
Audio and Video Equipment Technicians	\$40,581	757	29%
Film and Video Editors	\$47,382	118	23%

Successful completion of the Digital Communications program of study will fulfill requirements of the Business and Industry endorsement. Revised – August 2022



Education and Training Career Cluster

The Education and Training Career Cluster focuses on planning, managing, and providing education and training services and related learning support services. All parts of courses are designed to introduce learners to the various careers available within the Education and Training career cluster.

Teaching and Training Statewide Program of Study



The Teaching and Training program of study prepares CTE learners for careers related to teaching, instruction, and creation of instructional and enrichment materials. The program of study introduces CTE learners to a wide variety of student groups and their corresponding needs. It familiarizes them with the processes for developing curriculum, coordinating educational content, and coaching groups and individuals.

Secondary Courses for High School Credit

Level 1

- Principles of Education and Training
- Principles of Human Service

Level 2

- Human Growth and Development
- Child Development

Level 3

- Instructional Practices

Level 4

- Practicum in Education and Training
- Career Preparation I

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> • Participate in the Texas Association of Future Educators or Family, Career, and Community Leaders of America 	<ul style="list-style-type: none"> • Teach a community education class • Intern as a teaching assistant or tutor • Serve as a camp counselor

Industry-Based Certifications

- Educational Aide I

Postsecondary Opportunities

Associates Degrees

- Teacher Education
- Education, General (or specific subject area)
- Special Education
- Health and Physical Education/Fitness

Bachelor's Degrees

- Bilingual and Multilingual Education
- Education, General (or specific subject area)
- Special Education
- Health and Physical Education/Fitness

Master's, Doctoral, and Professional Degrees

- Instruction and Learning
- Educational Leadership and Administration, General
- Special Education
- Social and Philosophical Foundations of Education



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Adult Basic and Secondary Education and Literacy Teachers and Instructors	\$48,069	862	17%
Middle School Teachers, Except Special and Career/Technical Education	\$54,510	6,407	15%
Career and Technical Education Teachers, Secondary School	\$56,360	719	9%
Special Education Teachers, Secondary School	\$56,720	980	18%

Successful completion of the Teaching and Training program of study will fulfill requirements of the Public Service endorsement. Revised – August 2022



Education and Training Career Cluster

The Education and Training Career Cluster focuses on planning, managing, and providing education and training services and related learning support services. All parts of courses are designed to introduce learners to the various careers available within the Education and Training career cluster.

Early Learning Statewide Program of Study



The Early Learning program of study focuses on early childhood education, which consists of instructing and supporting preschool and early elementary school students in activities that promote social, physical and intellectual growth as well as in basic elements of science, art, music, and literature. This program of study introduces CTE learners to tasks necessary for planning, directing, and coordinating activities for young children.

Secondary Courses for High School Credit

Level 1

- Principles of Education and Training
- Principles of Human Services

Level 2

- Child Development

Level 3

- Child Guidance

Level 4

- Career Preparation I

Postsecondary Opportunities

Associates Degrees

- Early Childhood Education and Teaching
- Multicultural Early Childhood Development
- Kindergarten/Preschool Education and Training
- Psychology/Sociology

Bachelor's Degrees

- Early Childhood Education and Teaching
- Multicultural Early Childhood Development
- Early Childhood
- Psychology/Sociology

Master's, Doctoral, and Professional Degrees

- Early Childhood Education and Teaching
- Multicultural Early Childhood Development
- Educational, Instructional, and Curriculum Supervision
- Educational Leadership and Administration

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> • Participate in the Texas Association of Future Educators or Family, Career, and Community Leaders of America 	<ul style="list-style-type: none"> • Teach a community education class • Volunteer as a teaching assistant

Industry-Based Certifications

- Child Development Associate (CDA)
- Early Childhood Education and Care – Advanced
- Early Childhood Education and Care – Basic
- Educational Aide 1
- Pre-Professional Certification in Early Childhood Education



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Kindergarten Teachers, except Special Education	\$53,310	1,848	17%
Preschool Teachers	\$27,851	4,330	17%
Elementary School Teachers	\$54,140	13,121	16%
Education Administrators, Elementary and Secondary School	\$79,830	2407	16%

Successful completion of the Early Learning program of study will fulfill requirements of the Public Service endorsement.
Revised – August 2022



Health Science Career Cluster

The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.

Exercise Science and Wellness Statewide Program of Study



The Exercise Science and Wellness program of study introduces CTE learners to the fields that assist patients with maintaining physical, mental, and emotional health. Students will research diet and exercise needed to maintain a healthy, balanced lifestyle and learn about and practice techniques to help patients recover from injury, illness, or disease.

Secondary Courses for High School Credit

Level 1

- Lifetime Nutrition and Wellness
- Principles of Exercise Science and Wellness

Level 2

Level 3

- Anatomy and Physiology

Level 4

- Career Preparation I

Postsecondary Opportunities

Associates Degrees

- Physical Therapist Assistant
- Physical Therapy Aides
- Dietetic Technician

Bachelor's Degrees

- Kinesiology and Exercise Science
- Therapeutic Recreation/Recreational Therapy
- Athletic Training/Trainer

Master's, Doctoral, and Professional Degrees

- Exercise Physiology
- Therapeutic Recreation/Recreation Therapy
- Athletic Training/Trainer
- Physical Therapist

Work-Based Learning and Expanded-Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> • Participate in Health Occupations Students of America 	<ul style="list-style-type: none"> • Volunteer at a hospital or rehabilitation center • Manage a school sports team

Industry-Based Certifications

- Certified Personal Trainer
- Pre-Professional Certification in Nutrition, Food, and Wellness



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Athletic Trainers	\$53,450	215	22%
Exercise Physiologists	\$41,662	33	33%
Coaches and Scouts	\$40,010	2,133	23%
Dieticians and Nutritionists	\$57,762	428	24%
Recreational Therapists	\$45,906	74	24%

Successful completion of the Exercise Science program of study will fulfill requirements of a Public Service endorsement or STEM endorsement if the math and science requirements are met. Revised – August 2022



Health Science Career Cluster

The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.

Healthcare Therapeutic Statewide Program of Study



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

Secondary Courses for High School Credit

Level 1

- Principles of Health Science

Level 2

- Medical Terminology

Level 3

- Anatomy and Physiology
- Health Science Theory/Health Science Clinical

Level 4

- Pathophysiology
- Pharmacology
- Practicum in Health Science

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> Participate in SkillsUSA or Health Occupation Students of America 	<ul style="list-style-type: none"> Volunteer at a community wellness center, hospital, assisted living, or nursing home

Industry-Based Certifications

- Certified Clinical Medical Assistant
- Certified Dental Assistant
- Emergency Medical Technician - Basic
- Certified EKG Technician
- Certified Nurse Aide (CNA)
- Certified Occupational Therapy Assistant
- Certified Patient Care Technician (CPCT)
- ECG Technician
- Medical Assistant
- Medical Laboratory Assistant
- Nationally Registered Certified EKG Technician
- Patient Care Technician
- Pharmacy Technician
- Phlebotomy Technician
- Registered Dental Assistant X-Ray Certification
- Certified Ophthalmic Technician*
- Certified Surgical Technologist*
- Licensed Dental Hygienist*
- Orthopedic Technologist*

*IBC sunseting 8/31/24



Postsecondary Opportunities

Associates Degrees

- Dental Hygienist
- Medical/Clinical Assistant

Bachelor's Degrees

- Dental Hygienist

Master's, Doctoral, and Professional Degrees

- Dentist
- Physician Assistant
- Family and General Practitioners
- Pharmacist

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Medical Assistants	\$29,598	8,862	30%
Surgical Technologists	\$45,032	1,150	20%
Dental Hygienists	\$73,507	1,353	38%
Physicians and Surgeons	\$213,071	1,151	30%

Successful completion of the Healthcare Therapeutic program of study will fulfill requirements of a Public Service endorsement or STEM endorsement if the math and science requirements are met. Revised – August 2022



Health Science Career Cluster

The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.

Medical Therapy Statewide Program of Study



The Medical Therapy program of study focuses on the study of biology and medicine in order to introduce students to the knowledge and skills necessary to be successful in the healthcare field in occupations such as, Respiratory, Occupational, Physical, or Speech Therapy. CTE learners may also practice patient care and communication.

Secondary Courses for High School Credit

Level 1

- Principles of Health Science

Level 2

- Medical Terminology

Level 3

- Health Science Theory/Health

Level 4

- Practicum in Health Science

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> Participate in Health Occupation Students of America 	<ul style="list-style-type: none"> Intern at a lab Shadow a therapist Participate in clinical rotations

Industry-Based Certifications

- Certified Clinical Medical Assistant
- Certified Occupational Therapy Assistant
- Certified Respiratory Therapist
- Emergency Medical Technician - Basic
- Orthopedic Exercise Specialty Certification*
- Orthopedic Technologist*

*IBC sunseting 8/31/24

Postsecondary Opportunities

Associates Degrees

- Occupational Therapy Assistant
- Radiation Therapists
- Respiratory Therapists
- Physical Therapy Assistant

Bachelor's Degrees

- Respiratory Therapists

Master's, Doctoral, and Professional Degrees

- Occupational Therapists
- Speech Language Pathologist
- Physical Therapists



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Speech Language Pathologists	\$73,070	1,068	25%
Respiratory Therapists	\$57,429	830	20%
Occupational Therapists	\$92,227	834	34%
Physical Therapy Assistants	\$70,200	1,268	44%

Successful completion of the Medical Therapy program of study will fulfill requirements of a Public Service or STEM endorsement if the math and science requirements are met. Revised – August 2022



Health Science Career Cluster

The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.

Nursing Science Statewide Program of Study



The Nursing Science program of study introduces students to the knowledge and skills related to patient care. CTE learners may learn about or practice caring for patients, routine procedures such as monitoring vital signs, development and implementation of care plans, maintenance of medical records, and disease or pain management. Students may focus on the healthcare system and research system designs and make recommended modifications.

Secondary Courses for High School Credit

Level 1

- Principles of Health Science
- Principles of Nursing

Level 2

- Medical Terminology

Level 3

- Anatomy and Physiology

Level 4

- Pathophysiology
- Pharmacology

Postsecondary Opportunities

Associates Degrees

- Registered Nursing/Registered Nurse

Bachelor's Degrees

- Informatics Nurse Specialists

Master's, Doctoral, and Professional Degrees

- Nurse Practitioner
- Nursing Administration
- Nurse Anesthetist

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> • Participate in Health Occupation Students of America 	<ul style="list-style-type: none"> • Volunteer at a community wellness center, hospital, assisted living center, or nursing home

Industry-Based Certifications

- Certified Clinical Medical Assistant
- Certified Nurse Aide (CNA)
- Certified Patient Care Technician (CPCT)
- Licensed Vocational Nurse
- Medical Assistant
- Patient Care Technician
- Phlebotomy Technician
- Registered Nurse



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Licensed Vocational Nurses	\$45,178	7,186	21%
Registered Nurses	\$68,682	17,493	26%
Nurse Practitioners	\$107,827	977	50%
Nurse Anesthetists	\$154,856	357	23%

Successful completion of the Nursing Science program of study will fulfill requirements of a Public Service endorsement or STEM endorsement if the math and science requirements are met. Revised – August 2022



Science, Technology, Engineering, and Mathematics Career Cluster

The Science, Technology, Engineering, and Mathematics (STEM) Career Cluster focuses on planning, managing, and providing, scientific research and professional and technical services, including laboratory and testing services, and research and development services.

Programming and Software Development Statewide Program of Study



The Programming and Software Development program of study explores the occupations and education opportunities associated with researching, designing, developing, and testing operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computer applications. This program of study may also include exploration into creating, modifying, and testing the codes, forms, and script that allow computer applications to run.

Secondary Courses for High School Credit

Level 1

Level 2

- Computer Science I

Level 3

- Computer Science II

Level 4

- Computer Science III
- Practicum in Audio/Video Production
- Practicum in Science, Technology, Engineering, and Mathematics
- Career Preparation I

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> • Join TSA • Participate in coding club at school 	<ul style="list-style-type: none"> • Obtain an industry-based certification

Industry-Based Certifications

- C++ Certified Associate Programmer
- Certified Entry-Level Python Programmer (PCEP)
- Certified Professional Programmer
- Certified User: Programmer
- CodeHS Python Level 1 Certification
- CompTIA Linux+
- Information Technology Specialist: Java
- Information Technology Specialist: JavaScript
- Microsoft Azure AI Fundamentals
- Microsoft Azure Data Fundamentals
- Oracle Certified Associate Java SE 8 Programmer
- Oracle Database SQL Certified Associate



Postsecondary Opportunities

Associates Degrees

- Computer Programming/Programmer General
- Computer Software Engineer
- Computer Science
- Certified Software Analyst

Bachelor's Degrees

- Management Information Systems, General
- Computer Software Engineer
- Computer Science
- Information Science/ Studies

Master's, Doctoral, and Professional Degrees

- Computer Software Engineer
- Computer Science
- Information Science/ Studies

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Software Developer, Systems Software	\$103,334	2,985	25%
Software Developers, Application	\$104,499	6,311	30%
Computer Programmers	\$79,893	1,454	9%

Successful completion of the Programming and Software Development program of study will fulfill requirements of the Business and Industry endorsement and STEM endorsement if the math and science requirements are met. Revised – August 2022



Science, Technology, Engineering, and Mathematics Career Cluster

The Science, Technology, Engineering, and Mathematics (STEM) Career Cluster focuses on planning, managing, and providing, scientific research and professional and technical services, including laboratory and testing services, and research and development services.

Engineering Statewide Program of Study



The Engineering program of study focuses on the design, development, and use of engines, machines, and structures. CTE learners will learn how to apply science, mathematical methods, and empirical evidence to the innovation, design, construction, operation, and maintenance of different manufacturing systems.

Secondary Courses for High School Credit

Level 1

- Principles of Applied Engineering
- Introduction to Engineering Design (PLTW)

Level 2

Level 3

Level 4

- Practicum in STEM
- Scientific Research and Design

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> Participate in Skills USA competitions 	<ul style="list-style-type: none"> Intern at an engineering firm Shadow a machinist

Industry-Based Certifications

- Autodesk Associate (Certified User) AutoCAD
- Autodesk Associate (Certified User) & Professional Fusion 360
- Autodesk Associate (Certified User) & Professional Inventor for Mechanical Design
- Autodesk Associate (Certified User) & Professional Revit Architecture
- Autodesk Associate (Certified User) & Professional Revit for Electrical Design
- Autodesk Associate (Certified User) & Professional Revit for Structural Design
- Autodesk Certified Professional in AutoCAD for Design and Drafting
- Autodesk Certified Professional in Civil 3D for Infrastructure Design
- Autodesk Certified Professional in Revit for Architectural Design
- Autodesk Certified User & Professional in Revit Building Systems
- Autodesk Certified User & Professional in Inventor
- C-103 Certified Industry 4.0 Associate - Robot System Operations
- Engineering Technology Foundations
- Lean Six Sigma Green Belt Certification
- Pre-Engineering/Engineering Technology - Job Ready
- Certified SOLIDWORKS Associate (CSWA) - Electrical
- Certified SOLIDWORKS Associate (CSWA) - Academic
- Certified SOLIDWORKS Associate (CSWA) - Mechanical Design
- Certified SOLIDWORKS Associate (CSWA) - Simulation
- Certified SOLIDWORKS Associate (CSWA) - Sustainability
- Certified SOLIDWORKS Professional (CSWP) - Model Based Definition
- Certified SOLIDWORKS Professional (CSWP) - Academic
- Certified SOLIDWORKS Professional (CSWP) - Simulation
- Certified SOLIDWORKS Professional (CSWP) - Mechanical Design
- Certified SOLIDWORKS Professional (CSWPA) - Drawing Tools

- Certified SOLIDWORKS Associate*
*IBC sunseting 8/31/24

Postsecondary Opportunities

Associates Degrees

- Electrical and Electronics Engineering
- Drafting and Design Technology/ Technician, General
- Engineering Technology

Bachelor's Degrees

- Electrical and Electronics Engineering
- CAD/CADD Drafting and/or Design Technology/ Technician
- Bioengineering and Biomedical Engineering
- Construction Engineering Technology/ Technician

Master's, Doctoral, and Professional Degrees

- Electrical and Electronics Engineering
- Mechanical Engineering
- Bioengineering and Biomedical Engineering

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Aerospace Engineers	\$110,843	481	9%
Industrial Engineers	\$97,074	1,263	10%
Mechanical Engineers	\$91,107	1,535	11%
Chemical Engineers	\$112,819	474	9%
Electrical Engineers	\$98,405	1,137	10%

Successful completion of the Engineering program of study will fulfill requirements of the Business and Industry or STEM endorsement if the math and science requirements are met. Revised – November 2022



Law and Public Service Career Cluster

The Law and Public Service Career Cluster focuses on planning, managing, and providing legal services, public safety, protective services, and homeland security, including professional and technical support services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and fire and emergency services.

Legal Studies Statewide Program of Study



The Legal Studies program of study introduces CTE learners to the occupations and educational opportunities related to representing clients in criminal and civil litigation and other legal proceedings, as well as assisting lawyers and preparing legal documents. This program of study explores possible specializations in a single area of law.

Secondary Courses for High School Credit

Level 1

- Principles of Law, Public Safety, Corrections, and Security

Level 2

- Business Law

Level 3

Level 4

- Career Preparation I

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none">Attend court hearings and other legal proceduresJoin the Texas Public Service Association	<ul style="list-style-type: none">Intern with a local attorneyScript and conduct a mock trial

Postsecondary Opportunities

Associates Degrees

- Legal Assistant/Paralegal

Bachelor's Degrees

- Legal Assistant/Paralegal

Master's, Doctoral, and Professional Degrees

- Law
- Intellectual Property Law
- Advanced Legal Research/Studies General
- International Law and Legal Studies



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Lawyers	\$126,131	2,801	19%
Paralegal and Legal Assistants	\$50,544	2,837	19%

Successful completion of the Legal Studies program of study will fulfill requirements of the Public Service endorsement.

Revised – August 2022



Transportation, Distribution, and Logistics Career Cluster

The Transportation, Distribution, and Logistics Career Cluster focuses on careers in planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also includes related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Automotive Statewide Program of Study



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

Secondary Courses for High School Credit

Level 1

-

Level 2

-

Level 3

- Automotive Technology I

Level 4

- Automotive Technology II/Lab
- Career Preparation I

Postsecondary Opportunities

Associates Degrees

- Autobody/ Collision and Repair Technology/ Technician
- Medium/Heavy Vehicle and Truck Technology/ Technician
- Mechanical Engineering/ Mechanical Technology/ Technician

Bachelor's Degrees

- Mechanical Engineering/ Mechanical Technology/ Technician

Master's, Doctoral, and Professional Degrees

- Mechanical Engineering

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> • Join SkillsUSA or the Automotive Service Association 	<ul style="list-style-type: none"> • Work at a local automotive repair or body shop

Industry-Based Certifications

- ASE Entry-Level Automobile Maintenance and Light Repair (MR)
- ASE Entry-Level Automobile Automatic Transmission/Transaxle (AT)
- ASE Entry-Level Automobile Brakes (BR)
- ASE Entry-Level Automobile Electronic/Electrical Systems (EE)
- ASE Entry-Level Automobile Engine Performance (EP)
- ASE Entry-Level Automobile Engine Repair (ER)
- ASE Entry-Level Automobile Heating and Air Conditioning (AC)
- ASE Entry-Level Automobile Manual Drive Train and Axles (MD)
- ASE Entry-Level Automobile Service Technology
- ASE Entry-Level Automobile Suspension and Steering (SS)
- ASE Entry-Level Collision Mechanical and Electrical Components (ME)
- ASE Entry-Level Collision Non-Structural Analysis and Damage Repair (SR)
- ASE Entry-Level Collision Painting and Refinishing (PR)
- ASE Entry-Level Collision Structural Analysis and Damage Repair
- Principles of Small Engine Technology Certification
- Small Engine Technology

- OSHA 30 Hour General*
- ASE Suspension and Steering*
- ASE Structural Analysis Damage Repair*
- ASE Painting & Refinishing*
- ASE Non-Structural Analysis Damage Repair*
- ASE Mech Elec Components*
- ASE Manual Drive Train Axles*
- ASE Maintenance Light Repair*
- ASE Heating, Ventilation, AC (HVAC)*
- ASE Auto Transmission*
- ASE Automobile Service Technology*
- ASE Brakes*
- ASE Electrical/Electronic Systems*
- ASE Engine Performance*
- ASE Engine Repair*

*IBC sunseting 8/31/24

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Automotive Body and Related Repairers	\$40,144	1,456	25%
Automotive Service Technician and Mechanics	\$38,459	5,557	18%

Successful completion of the Automotive program of study will fulfill requirements of the Business and Industry endorsement. Revised – August 2022



Manufacturing Career Cluster

The Manufacturing Career Cluster focuses on planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering.

Welding Statewide Program of Study



The Welding program of study focuses on the development and use of automatic and computer-controlled machines, tools, and robots that perform work on metal or plastic. CTE learners will learn how to modify parts to make or repair machine tools or maintain individual machines, and how to use hand-welding or flame-cutting equipment.

Secondary Courses for High School Credit

Level 1

- Introduction to Welding

Level 2

- Welding I

Level 3

- Welding II/Lab

Level 4

- Career Preparation I

Postsecondary Opportunities

Associates Degrees

- Certified Welder or Welder Inspector
- Machine Shop Technology/Assistant
- Operations Management and Supervision
- Occupational Safety and Health Technology/Technician

Bachelor's Degrees

- Welding Engineering Technology/Technician
- Biomedical Technology/Technician
- Operations Management and Supervision
- Environmental Health

Master's, Doctoral, and Professional Degrees

- Welding Engineering Technology/Technician
- Occupational Health and Industrial Hygiene
- Operations Management and Supervision
- Environmental Health

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> • Participate and compete in SkillsUSA • Job shadow a machinist 	<ul style="list-style-type: none"> • Work in a local business or industry apprenticeship • Join the American Welding Society

Industry-Based Certifications

- API 1104 Welding Pipelines and Related Facilities
- AWS Certified Welder
- AWS D1.1 Structural Steel
- AWS D9.1 Sheet Metal Welding
- AWS SENSE Level 1: Entry Welder
- Industrial Technology Maintenance (ITM) - Maintenance Welding
- NCCER Construction Technology Certification Level I
- NCCER Core
- NCCER Welding Level I
- Welding - Job Ready

- OSHA 30 Hour General*
*IBC sunseting 8/31/24



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Welders, Cutters, Solderers, and Brazers	\$41,350	6,171	9%
Welding Soldering and Brazing Machine Setters, Operators and Tenders	\$40,040	280	9%

Successful completion of the Welding program of study will fulfill requirements of the Business and Industry endorsement. Revised – August 2022



<p>English Language Arts: (4 Credits)</p> <input type="checkbox"/> English I (H) <input type="checkbox"/> English II (H) <input type="checkbox"/> English III (H, AP) <p>Final English – Choose from the following:</p> <input type="checkbox"/> English IV (HD) <input type="checkbox"/> College Prep English	<p>Math: (3 Credits) (Endorsement 4 Credits)</p> <input type="checkbox"/> Algebra I <input type="checkbox"/> Geometry (H) <input type="checkbox"/> Algebraic Reasoning <p>Choose at least one from the following:</p> <input type="checkbox"/> Algebra II (H) <p>Final Math – Choose from the following:</p> <input type="checkbox"/> Algebra II (H) <input type="checkbox"/> Statistics –(HD) <input type="checkbox"/> College Prep – Math <input type="checkbox"/> Precalculus-H <input type="checkbox"/> IS in Math 1 (Coll. Alg- HD) <input type="checkbox"/> IS in Math 2 (Coll. Alg/Trig-HD) <input type="checkbox"/> IS in Math 3 (Calculus- HD) <input type="checkbox"/> Robotics II-H <input type="checkbox"/> Accounting II-HD	<p>Science: (3 Credits) (Endorsement 4 Credits)</p> <input type="checkbox"/> Biology (H) <p>Choose at least one from the following:</p> <input type="checkbox"/> IPC <input type="checkbox"/> Chemistry (H) <input type="checkbox"/> Physics (H) (or) <input type="checkbox"/> Princ. of Technology <p>Final Science – Choose from the following:</p> <input type="checkbox"/> Chemistry (H) <input type="checkbox"/> Physics (H) (or) <input type="checkbox"/> Princ. of Technology <p style="text-align: center;"><i>*Cannot take both*</i></p> <input type="checkbox"/> Environmental Biology-(HD) <input type="checkbox"/> Environmental Systems <input type="checkbox"/> Pathophysiology-H <input type="checkbox"/> Anatomy & Physiology-H <input type="checkbox"/> Forensic Science <input type="checkbox"/> Earth & Space <input type="checkbox"/> Scientific Res. & Des. I (Chem. II-HD) <input type="checkbox"/> Scientific Res. & Des. II (Bio. II-HD)	<p>Social Studies: (4 Credits)</p> <input type="checkbox"/> World Geography <input type="checkbox"/> World History (H, AP) <input type="checkbox"/> U.S. History (HD, AP) <input type="checkbox"/> U.S. Government (HD, AP) (0.5) <input type="checkbox"/> Economics (0.5) <input type="checkbox"/> Personal Financial Literacy (0.5)
<p>LOTE: (2 Credits from the same language)</p> <input type="checkbox"/> Spanish I (H) <input type="checkbox"/> Spanish II (H) <input type="checkbox"/> French I <input type="checkbox"/> French II <input type="checkbox"/> Computer Science IH <input type="checkbox"/> Computer Science IIIH <input type="checkbox"/> _____	<p>Physical Education (1 Credit)</p> <input type="checkbox"/> Athletics <input type="checkbox"/> Band- Fall Semester <input type="checkbox"/> Cheer <input type="checkbox"/> Drill Team-Fall Semester <input type="checkbox"/> PE _____ <input type="checkbox"/> Track / Cross Country <input type="checkbox"/> _____	<p>Electives (Endorsement 6 Credits)</p> <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____	<p>Fine Arts (1 Credit)</p> <input type="checkbox"/> Art <input type="checkbox"/> Band <input type="checkbox"/> Drill Team <input type="checkbox"/> Theatre <input type="checkbox"/> Music 1, Guitar
<p>Post Graduation Education and Career Goals:</p> <input type="checkbox"/> Four Year College <input type="checkbox"/> Two Year College <input type="checkbox"/> Technical Training <input type="checkbox"/> Employment <input type="checkbox"/> Military, Branch _____ <input type="checkbox"/> Other _____			

7 th /8 th gr		<input type="checkbox"/> Algebra 1 <input type="checkbox"/> Geometry	<input type="checkbox"/> IPC		<input type="checkbox"/> Spanish 1	<input type="checkbox"/> Dig. Comm. <input type="checkbox"/> Dig. A/V		
9 th gr	(English) English 1	(Math)	(Science) Biology	(Social Studies) World Geography				
10 th gr	English 2			World History				
11 th gr	English 3			US History				
12 th gr				Govt. / Econ.				

<p>Endorsements Chosen: 26 Credits</p> <p>Arts & Humanities <input type="checkbox"/></p> <p>Business & Industry <input type="checkbox"/></p> <p>Multidisciplinary <input type="checkbox"/></p> <p>Public Services <input type="checkbox"/></p> <p>STEM <input type="checkbox"/></p> <p>Foundation Plan Chosen: 22 Credits <input type="checkbox"/></p>	<p><i>By signing this, I am agreeing to the four-year endorsement plan(s) chosen. I also understand that in order to change endorsements, both student and parent/guardian signatures are required. In order for your son/daughter to make a schedule change, he/she must have a signed endorsement plan on record.</i></p> <p>Parent Signature: _____ Date: _____</p> <p>Student Signature: _____ Date: _____</p>	<p>Performance Acknowledgements:</p> <input type="checkbox"/> Business & Industry Certification <input type="checkbox"/> Dual Credit <input type="checkbox"/> Bilingualism/Biliteracy <input type="checkbox"/> AP Exam <input type="checkbox"/> PSAT, PLAN, ACT, SAT
		<p>Distinguished Achievement:</p> <input type="checkbox"/> Endorsement Completion <input type="checkbox"/> Algebra II Completion

Pleasant Grove High School

Graduation Requirements

- **The Foundation High School Program** identifies the minimum requirements that all Texas public school students need to satisfy to earn a high school diploma. Pleasant Grove students will meet with their counselor to ensure a graduation plan following the individual goals of each student. To graduate under the Foundation High School Program, students must earn a minimum of **22 credits** in the following areas:
 - ✓ English- 4 credits
 - ✓ Math- 3 credits
 - ✓ Science- 3 credits
 - ✓ Social Studies- 4 credits (Local policy)
 - ✓ LOTE- 2 credits (Languages Other than English)
 - ✓ Fine Arts-1 credit
 - ✓ PE-1 credit
 - ✓ Electives-4 credits
- **End of Course Exam Requirements**-students are required to pass five end-of-course (EOC) exams to earn a diploma from a Texas public high school. Those five exams are given when a student takes English I and II, Biology, Algebra I, and U.S. History. A student who fails an EOC exam for no more than two of five courses can still receive a diploma if he or she qualifies to graduate as a result of an individual graduation committee review.
- **Instruction on Proper Interaction with Peace Officers** Students must receive instruction in proper interaction with police officers at least once before graduation from high school.
- **Instruction in Cardiopulmonary Resuscitation (CPR)** Students must receive instruction in CPR at least once in grades 7-12 before graduation.
- **FAFSA/TAFSA Submission** In accordance with Texas Education Code (TEC), §28.0256, beginning with students enrolled in **12th grade** during the **2021-2022 school year**, each student must do one of the following in order to graduate:
 - Complete and submit a Free Application for Federal Student Aid (FAFSA);
 - Complete and submit a Texas Application for State Financial Aid (TASFA);
 - Submit a signed opt-out form.

Foundation High School Plan with Endorsements

- **Foundation High School Plan with Endorsements** Students may earn one or more endorsements as part of their high school diploma. An endorsement consists of a sequence of courses that are grouped together by interest or occupational skill. They provide students with in-depth knowledge of a subject area or a high-wage, high-skill, and in-demand occupation. Pleasant Grove students must earn at least 26 total credits to graduate under this plan and have met the Foundation High School Program required courses (as listed above). Students can choose one or more from five endorsement areas which include:
 1. **Arts and Humanities** (one of the following)
 - 4 levels of fine arts or 2 levels of 2 different fine arts
 - 4 levels of LOTE or 2 levels of 2 different LOTE
 - 5th credit of social studies
 - 1 credit English IV

2. **Business and Industry** (a sequence of courses in one of the following areas or a combination of courses from no more than two areas)
 - CTE business and industry- related Programs of Study
 - Architecture and construction
 - Arts, audio-video technology, and communications; Information Technology
 - Business management and administration; Finance; Marketing
 - English electives in public speaking, debate, advanced broadcast journalism, and advanced journalism, including newspaper and yearbook
 - Hospitality and tourism
 - Manufacturing
 - Transportation, distribution, and logistics
3. **Multidisciplinary** (one of the following)
 - Four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation
 - Four credits in each foundation subject area, including chemistry and/ or physics and English IV
 - Four credits in dual credit courses selected from English, mathematics, science, social studies, economics, LOTE or fine arts
4. **Public Services** (a sequence of courses in one of the following areas)
 - CTE public-service-related Programs of Study
 - Human services
 - Law, public safety, corrections, and security
 - Health science
 - Education and training
5. **STEM-Science, Technology, Engineering & Math** (a sequence of courses in one of the following areas or a combination of courses from no more than two areas)
 - CTE STEM courses or an approved STEM-related Program of Study
 - Mathematics (2 advanced math courses beyond Algebra 2)
 - Science (2 advanced science courses with Chemistry and Physics/Princ. of Tech.)

Pleasant Grove High School

Distinguished Level of Achievement

Distinguished Level of Achievement The distinguished level of achievement requires:

- A total of four credits in math, including Algebra II;
 - A total of four credits in science; and
 - Successful completion of an endorsement in your area of interest.
- ❖ A student must earn the distinguished level of achievement to be admitted to a Texas public university under the Top 10 percent automatic admission law.
 - ❖ *The University of Texas at Austin can limit automatic admission to fewer students than the top 10%. Check with your counselor to learn about the percent of students eligible for automatic admission at UT Austin.*
 - ❖ For more information about automatic admission law, please go to:
<https://tea.texas.gov/academics/graduation-information/automatic-college-admission>

Pleasant Grove High School

Performance Acknowledgments

Performance Acknowledgments note outstanding achievement in specific areas. These distinctions will be included in your high school transcript and better position you for successful entry into college and/or the workforce. Performance Acknowledgments Areas include:

- dual credit courses
- bilingualism and biliteracy
- PSAT, ACT ASPIRE®, SAT, or ACT
- Advanced Placement or International Baccalaureate exams
- State-, nationally- or internationally-recognized business or industry certification or license

GUIDELINES FOR HONORS AND ADVANCED PLACEMENT COURSE SELECTION AND CONTINUED PARTICIPATION

1. Students meeting the following criteria are encouraged to consider taking designated Honors or AP courses: grade average of 90 or above in subject area
2. Students meeting the following criteria are encouraged to continue taking Honors or AP courses: previous year grade average of 85 (B) or above in the Honors, or AP subject area.
3. Students enrolled in AP courses will be required to take the Advanced Placement Exam to receive AP credit/rank.
4. If a student is enrolled in an AP course and elects not to take the Advanced Placement Exam, they will receive Honor's weight in the course for both semesters.

Class Rank Computation

Class Rank is computed by averaging a student's weighted semester grades starting in the ninth-grade year. Final class rank for seniors locally, will be taken the 3rd nine weeks to determine Top Ten awards, Valedictorian, Salutatorian, and other academic awards. Class rank will be computed again for seniors at the end of the 4th nine weeks for state awards.

COURSE DIFFICULTY FACTORS

R=	Regular	1.0
WF=	Workforce	1.0
D =	Dual Credit	1.0
H =	Honors	1.3
HD =	Honors Dual Credit	1.3
AP =	Advanced Placement	1.5

Gifted and Talented will be served through Honors and Advanced Placement Programs

Class Rank Computation

The following courses are included in rank calculations:

Language Arts:

English I (Regular and Honors)
English II (Regular and Honors)
English III (Regular, Honors, and AP)
English IV (Regular and Dual Credit)
College Prep English
Future dual credit English courses

Science:

Biology (Regular and Honors)
IPC
Chemistry (Regular and Honors)
All dual credit science courses
Physics (Regular and Honors)
Environmental Systems
Earth and Space
Anatomy and Physiology

Mathematics:

Algebra I
Geometry (Regular and Honors)
Algebra II (Regular and Honors)
Algebraic Reasoning
Precalculus
All dual credit math courses
Statistics
College Prep Math

Social Studies:

World Geography
World History (Regular, Honors, and AP)
US History (Regular, Dual Credit, and AP)
Government (Regular, Dual Credit, and AP)
Economics (Regular and Honors)
Financial Literacy
AP European History

Pleasant Grove High School

Grade Point Average Computation

Grade Point Average is computed by averaging a student's semester grades, using grade points, starting in the ninth grade year. A=4, B=3, C=2, D=1, and F=0. Grades earned through summer school, credit by exams, correspondence courses, and local credit courses are not included in the grade point average.

FOREIGN EXCHANGE STUDENTS

When a foreign exchange student enrolls at Pleasant Grove High School, they will not be classified as a senior.

PUBLIC NOTIFICATION OF NONDISCRIMINATION IN CAREER AND TECHNOLOGY EDUCATION (CTE) PROGRAMS

Pleasant Grove ISD offers a variety of courses in the career and technology education program. Admission to these programs is based on successful completion of prerequisite courses.

It is the policy of Pleasant Grove ISD not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

It is the policy of Pleasant Grove ISD not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment practices as required by Title VI, of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended.

Pleasant Grove ISD will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs.

For information about your rights or grievance procedures, contact the Title IX Coordinator, Gary Hill at 5406 McKnight Road (903) 833-8005, and/or the Special Programs Director, Tina Antley at 8500 North Kings Highway (903) 831-4086.

NCAA - Prospective Student-Athlete

A prospective student-athlete is someone who is looking to participate in intercollegiate athletics at an NCAA Division I or Division II institution in the future. For a complete list of rules and regulation please visit www.ncaaclearinghouse.com or www.eligibilitycenter.com.

GUIDANCE AND COUNSELING

Course Selection Process:

- **Step One:** Meet with your counselor on both an individual and group basis to discuss current status and future plans. The 4-year graduation plan is reviewed and possibly revised. Post-secondary plans, including career goals and educational opportunities, will be addressed.
- **Step Two:** Review the grade-level course selections and catalog for helpful informations. A student should select courses that will fulfill graduation requirements and inform possible future career goals. Selections should be checked carefully to see if necessary prerequisites are met. There will be opportunities to become familiar with graduation plans, endorsements, and course offerings through classroom and parent presentations.
- **Step Three:**
After discussing the course selections with parents, a signature will need to be acquired and returned to your counselor. If parents/guardians have any questions or wish to make any changes, they will need to make changes on the forms and students return the form to the appropriate counselor. If no contact with the counselor is made, it is assumed that the parents or guardians approve of the proposed schedule for next year.

Scheduling Process and Changes:

This course guide contains a brief description of courses offered at PGHS, as well as grade level requirements for specific courses and any possible prerequisites. Elective courses are offered as a result of student interest. If there is insufficient enrollment for a course, or certified teachers are not available to teach the course, the course will not be offered and one of the three alternative courses listed on the students course selection form will be used.

Students must carefully plan their course selections. Although students will receive instructions and assistance from school counselors when choosing courses, the responsibility for selecting appropriate career and graduation choices rests with the students and parents. It is very important that careful consideration is taken to selecting appropriate courses. The choices made during this preparation process determine the master schedule of course offerings available. The master schedule is designed to maximize student opportunities and minimize scheduling conflicts. Master schedule and teacher hiring(s) are based on student requests, so only schedule changes will be considered during the first 5 class days for the following reasons:

- A. A student is a senior and not scheduled in a course needed for graduation.
- B. A student has already earned credit for a course in which he/she is currently scheduled.
- C. A student does not meet the prerequisites for a class listed on his/her schedule.
- D. A student has been dismissed from a program where approval must be granted for placement.
- E. A student does not have a full schedule.
- F. A data entry error has occurred.
- G. A student needs intervention/remedial coursework for STAAR EOC graduation requirements.
- H. A student's choices will not work in their schedule.
- I. A student changes from an advanced level course to an on-level course.

** Student schedules will not be changed to select different teachers or lunch periods or to drop previously selected electives.*

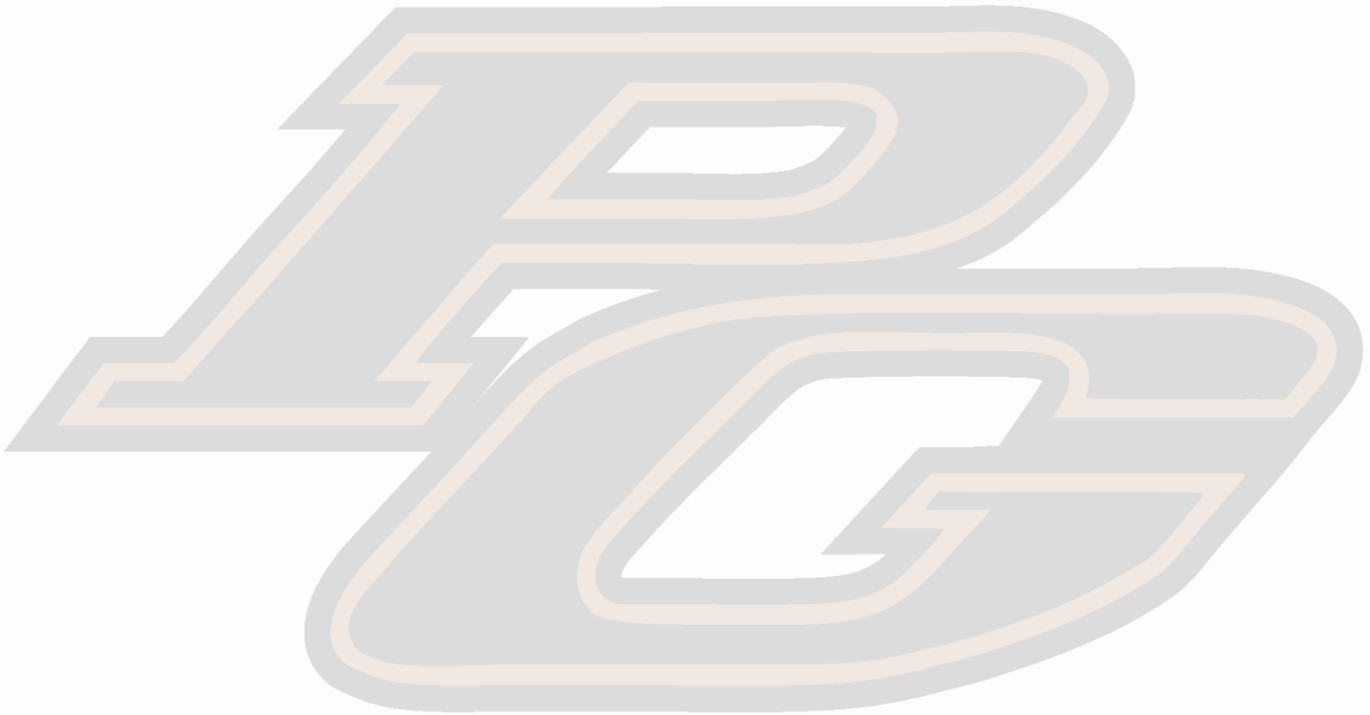
Please follow the guidelines below:

1. Pick up a schedule change form in the Counseling Office (no emailing or texting changes)
2. Students must work out the new schedule according to the instructions on the form and by referring to the master schedule.
3. They must include a detailed description of why they would like the change
4. They need to fill out/change their Graduation Plan as necessary when making the schedule change and turn it in, along with their schedule change form.
5. They must get a parent signature, teacher signature of the class they are requesting and signature of the teacher they are dropping.
6. Finally, they will need to get the form to their principal for approval and have them sign off on the change.
7. Return the form to your counselor's box by the 5th school day of the start of the semester.

After the first or third marking period, if a student is not successful in an advanced course that marking period, he/she may drop to the on-level course(s) but must follow the above procedure within the first 5 school days of the first or third marking period.

For questions or concerns relating to course changes, please feel free to call the Counseling Office @ 903-832-8005 and set up an appointment time to meet with your son/daughter's assigned counselor.

COURSE DESCRIPTIONS



English

ENGLISH I H

1011

Designed for students who value high academic achievement, this course gives students an opportunity to explore facets of communication beyond those planned for regular classes. The course emphasizes the reading of a wide variety of literature, vocabulary development, correct usage, and composition skills. Students are required to read extensively. Materials in Honors classes have a wider scope and greater depth than those in the regular course.

COURSE NOTE: Honors criteria

CREDIT: 1

TYPE: Honors

GRADE: 9

PREREQUISITE: An 85 average EACH SEMESTER in English 8 Honors and an 8th-grade STAAR reading score in the 1700+ category. Students will be required to take the English I STAAR End of Course test. EOY grade equivalent of 8.9

ENGLISH 1

1010

English I includes: (1) continuing development of essential grammar skills with emphasis on parts of speech, punctuation, sentence structure, and correct usage, (2) composition with emphasis on comparison, contrast, expository, descriptive, and persuasive writing, and (3) literature with emphasis on the elements needed to understand each genre.

CREDIT: 1

TYPE: Regular

GRADE: 9-12

READING

1012

Reading offers students instruction to navigate academic reading demands successfully as well as to attain life-long literacy skills. This course offers students instruction in word recognition and comprehension strategies and vocabulary to ensure that high school students have an opportunity to read with competence, confidence, and understanding. Students learn how various texts are organized and how authors choose diction and syntax to achieve different effects.

CREDIT: 1

TYPE: Regular

GRADE: 9-12

Mathematics

ALGEBRA 1

9021

In Algebra I students learn to work with real numbers in all types of mathematical situations such as solving equations and inequalities. Learning to solve linear equations, systems of linear equations, and functions are integral parts of this course. Students also realize the difference between rational and irrational numbers and how to work with them. Algebra I is a course to help students organize material to solve every day mathematical situations. It also prepares students for future high school or college mathematics courses.

CREDIT: 1

TYPE: Regular

GRADE: 9-12

PREREQUISITE: Pass 8th grade Math STAAR

ALGEBRA 1 LAB

9026

In Algebra 1 Lab, students will build on the knowledge and skills taught in 8th grade math to better prepare them for Algebra 1. This class will run concurrently with 9021 Algebra 1. They will gain an extra class period of Algebra 1-related content. This class is created in order to provide in-class instruction time to count as HB4545 from the 8th grade STAAR test. Students will either pre-learn material that is about to be taught in Algebra 1 to give them extra help or will gain additional practice time to ask questions about current content in Algebra 1. This will be taught as an intervention style class.

CREDIT: 1

TYPE: Local

GRADE: 9-10

PREREQUISITE: 8TH GRADE MATH and not passing the 8th grade Math STAAR

ALGEBRA 2

9023

Essentials of Algebra are presented which include operations with real and complex numbers. Polynomials, rational expressions, and higher degree polynomial functions are taught. Other topics included in the course are exponential, logarithmic, and quadratic functions and graphing of these functions. Properties of points and planes and the concepts relating to conic sections are presented. Systems of equalities and inequalities with the use of matrices are developed to help solve problem situations.

CREDIT: 1

TYPE: Regular

GRADE: 10-12

PREREQUISITE: 9021 ALGEBRA 1 and 9030 GEOMETRY or 9031 GEOMETRY H

ALGEBRA 2 H

9024

Essentials of Algebra are presented which include operations with real and complex numbers. Polynomials, rational expressions, and higher degree polynomial functions are taught. Other topics included in the course are exponential, logarithmic, and quadratic functions and graphing of these functions. Properties of points and planes and the concepts relating to conic sections are presented. The use of matrices is developed to help solve problem situations. In addition to the basic concepts of Algebra II, the Algebra II Honors class learns concepts related to statistics and probabilities. Students develop skills to solve problems that require higher level thinking processes. Additional projects may be required. Curriculum in classes has a wider scope and greater depth than those in the regular courses. It is recommended that interested students have at least a 90 average in the previous school year's honor's math course.

CREDIT: 1

TYPE: Honors

GRADE: 9-12

PREREQUISITE: 9031 GEOMETRY H or 9030 GEOMETRY AND Meets EOC Algebra I STAAR AND 85 average in previous course **or** teacher recommendation from previous course.

GEOMETRY

9030

Geometry is a course of theory and application. The students learn to use deductive and inductive reasoning in problem solving and in making and verifying conjectures. Students analyze and draw two and three-dimensional geometric figures and cross sections and apply properties of transformations. The course includes real world applications of perimeter, area of plane figures, and area and volume of three-dimensional figures.

CREDIT: 1

TYPE: Regular

GRADE: 9-12

PREREQUISITE: 9021 ALGEBRA 1

GEOMETRY H

9031

Geometry Honors covers the same concepts as geometry with an emphasis on application, modeling real-world situations, justification, and proof. These higher-level thinking skills are demonstrated in assignments and in projects which may include models, reports, and multimedia presentations. The students use graphing calculators and to explore problems and algebra to verify answers. Students compare and contrast Euclidean and non-Euclidean geometries. Curriculum in Honors classes has a wider scope and greater depth than those in the regular courses. It is recommended that interested students have at least a 90 average in the previous school year's honor's math course.

CREDIT: 1

TYPE: Honors

GRADE: 9-12

PREREQUISITE: 9022 ALGEBRA 1 with Meets on Algebra EOC STAAR and 85 average in previous course **OR** teacher recommendation from previous course.

ALGEBRAIC REASONING

9027

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 workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets. Algebraic Reasoning will serve as HB4545 hours for students who did not pass the Algebra 1 STAAR Test.

CREDIT: 1

TYPE: Regular

GRADE: 9-12

PREREQUISITE: 9021 ALGEBRA I

COREQUISITE: 9030 GEOMETRY OR 9031 GEOMETRY H and not passing the Algebra 1 EOC

Science

BIOLOGY

2021

Biology is a general survey of biological principles with a first semester emphasis on structure and function of cells and the principles of heredity. The second semester begins with a survey of microscopic life forms progressing into human biology covering all major organ systems.

CREDIT: 1

TYPE: Regular

GRADE: 9-12

BIOLOGY H

2022

This course includes all the material covered in Biology I with an emphasis on higher level thinking. The course incorporates a focus and challenge on reading comprehension, critical thinking, inquiry, and problem-solving with laboratory scenarios, thus students will receive additional instruction that will supplement their learning in Advanced Placement and Dual Credit Biology topics.

CREDIT: 1

TYPE: Honors

GRADE: 9-12

PREREQUISITE: Average of 85% in each semester of 8th grade science, as well as scoring a minimum of Met Standard on BOTH 8th grade Science and Reading STAAR exams.

Social Studies

WORLD GEOGRAPHY

4030

World Geography is a full year course developed primarily for ninth grade students. The course is intended to give the student a basic understanding of name, place, physical, political, and cultural geography. This understanding is essential to the development of higher level social studies courses. As each day passes, we can see that we do not live on this world alone, and this course is designed to help the student understand that we live in a global environment. We must have a basic knowledge of the rest of the world if we are to be successful in understanding the problems that face us today.

CREDIT: 1

GRADE: 9-12

Career and Technology

Business, Marketing & Finance

ACCOUNTING I

8022N

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. Students formulate and interpret financial information for use in management decision making.

COURSE NOTE: CTE Course

CREDIT: 1

GRADE: 9-12

BUSINESS INFORMATION MANAGEMENT I**8011**

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.

COURSE NOTE: CTE course

CREDIT: 1

GRADE: 9-12

BUSINESS LAW**8032N**

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, and business organizations, concept of agency and employment, and real property.

COURSE NOTE: CTE Course

CREDIT: 1

GRADE: 9-12

ENTREPRENEURSHIP**7024N**

Students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students understand the capital required, the return on investment desired, and the potential for profit.

COURSE NOTE: CTE Course

CREDIT: 1

GRADE: 9-12

MONEY MATTERS**8020**

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. Students will determine methods of achieving long term financial goals through investment, tax planning, asset allocation, risk management, retirement planning, and estate planning.

COURSE NOTE: CTE Course

CREDIT: 1

GRADE: 9-12

PRINCIPLES OF BUSINESS, MARKETING, FINANCE**8059**

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance.

COURSE NOTE: CTE Course

CREDIT: 1

GRADE: 9-12

SECURITIES AND INVESTMENTS**8029N**

Students will describe and abide by laws and regulations in order to manage business operations and transactions in the securities industry; access, process, maintain, evaluate, and disseminate information to assist in making decisions common to the securities industry; and monitor, plan, and control day-to-day securities organization activities to ensure continued business functioning

COURSE NOTE: CTE Course

CREDIT: 1

GRADE: 10-12

Health Science**PRINCIPLES OF HEALTH SCIENCE****7045**

This course is designed for the student interested in pursuing a career in health care and gives an overview of the therapeutic, diagnostic, environmental and informational health care career fields. Basic knowledge and skills related to health care are developed including legal, ethical and financial issues in health care, communication skills, human growth and development, basic anatomy & physiology, and health care workplace safety. Class size is limited.

COURSE NOTE: CTE Course

CREDIT: 1

GRADE: 9-12

PRINCIPLES OF NURSING SCIENCE**8003**

The Principles of Nursing Science course introduces students to basic principles of the profession of nursing. The goals/student outcomes for the course include knowledge of the history of nursing, an introduction to nursing theory, professionalism (teamwork, communication, conflict resolution), legal/ethical issues in nursing, infection control, safety, and customer (patient) satisfaction. Skills learned include vital signs and how to document on a graphic record, patient positioning/transferring, bed-making, feeding, and personal protective equipment (PPE).

COURSE NOTE: CTE Course

CREDIT: 1

GRADE: 9-12

Human Services & Education**DOLLARS AND SENSE****7010**

Dollars and Sense focuses on consumer practices and responsibilities, the money management process, decision-making skills, impact of technology, and preparation for human services careers. Students are encouraged to participate in career and technical student organizations and other leadership organizations. Upon completion of the course, students will be able to generate a better understanding of the expectations for college admission requirements; with an emphasis on the students' choice of career and the world of work.

COURSE NOTE: CTE course

CREDIT: 0.5

GRADE: 9-12

PREREQUISITE: 7006 PRINCIPLES OF HUMAN SERVICES

INTERPERSONAL STUDIES

7012

This course is intended to assist individuals in recognizing their own communication styles and how their individual styles differ from the communication styles of others in the workplace. Additionally, participants learn how to improve their interpersonal skills and how to maintain relationships over time. Through interactive activities, self-assessments, and discussions, participants gain an awareness of their communication styles and learn strategies to resolve conflict and strategies for communicating effectively with those whose styles are unlike their own. Participants learn skills to communicate and listen effectively and maintain relationships through inspiring trust and giving and receiving feedback.

COURSE NOTE: CTE Course

CREDIT: 0.5

GRADE: 9-12

PRINCIPLES OF EDUCATION AND TRAINING

7099

Principles of Education and Training is designed to introduce learners to the various careers available within the education and training career cluster. Students use self-knowledge and educational and career information to analyze various careers within the education and training career cluster. Students will also gain an understanding of the basic knowledge and skills essential to careers within the education and training career cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

COURSE NOTE: CTE Course

CREDIT: 1

GRADE: 9-12

PRINCIPLES OF HUMAN SERVICES

7006

This laboratory course will enable students to investigate careers in the human services career cluster, including: counseling and mental health; early childhood development; family, relationships, and community; nutrition and health; and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers.

COURSE NOTE: CTE course

CREDIT: 1

GRADE: 9-12

Law, Public Safety, Corrections, and Security Cluster**PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY**

7044

Principles of Law, Public Safety, Corrections, and Security introduces students to professions in law enforcement, protective services, corrections, firefighting, 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, protective services, and corrections.

COURSE NOTE: CTE Course

CREDIT: 1

GRADE: 9-12

LAW ENFORCEMENT 1

8049

Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. Students will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system; criminal law; and law enforcement terminology and the classification and elements of crime.

COURSE NOTE: CTE Course

CREDIT: 1

GRADE: 9-12

Tech App, Arts/Information Tech, STEM

ANIMATION I

8077N

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.

COURSE NOTE: CTE Course

CREDIT: 1

GRADE: 9-12

PRINCIPLES OF AUDIO/VIDEO, TECHNOLOGY & COMMUNICATIONS

8013

Principles of Audio/Video, Technology and Communications Career Cluster focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities.

COURSE NOTE: CTE COURSE

CREDIT: 1

GRADE: 9-12

BUSINESS INFORMATION MANAGEMENT I

8011

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.

COURSE NOTE: CTE course

CREDIT: 1

GRADE: 9-12

COMPUTER SCIENCE I -LOTE

8035N

The student will learn about the different types of computers in today's society, their applications and the basic concepts of computer programming using Java. Programming will include variables and constants; decision structures; looping structures; procedures; mathematical and business functions; arrays and structures; color and graphics; creating classes; using files; sorting and searching; and some advanced applications. Logic and problem-solving skills are used extensively.

COURSE NOTE: CTE course

PREREQUISITE: 9021 ALGEBRA 1

CREDIT: 1

GRADE: 9-12

GRAPHIC DESIGN AND ILLUSTRATION I

8076N

This entry level course is for training students in the visual communication portion of all media businesses. Students will learn about careers in various types of media and graphic design and illustration careers. Digital photography and working towards the intermediate level use of image editing and drawing programs are strongly focused upon in this course. This course is designed to prepare future photographers, videographers, animators or advertisers. Beginning a high quality portfolio for college or design school is also a goal for this course. Students with the desire to design CD/DVD covers, create promo posters for their favorite band's latest album or concert, learn movie titling, or design local graphics for promotional material for our school district and community events, this may be a class for them. Adobe certification practice material and exams are available.

COURSE NOTE: CTE Course

CREDIT: 1

GRADE: 9-12

PRINCIPLES OF APPLIED ENGINEERING**8088**

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 understand 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.

COURSE NOTE: CTE Course

CREDIT: 1

GRADE: 9-12

ROBOTICS I**7027N**

Using robots, students will learn fundamentals of problem solving, program design, algorithms and programming using a high-level language. A robot is an embedded system of software and hardware. Programming and building robots applies science, technology, engineering and math (STEM) concepts. This course introduces the fundamental concepts of programming and robotics.

COURSE NOTE: CTE Course

CREDIT: 1

GRADE: 9-12

UIL ROBOTICS**7027UN**

UIL Robotics will foster students' creativity and innovation by presenting opportunities to design, program, implement, and present meaningful robotic programs through the use of VEX Robotics equipment in a competition setting. Students will be **REQUIRED** to compete in UIL Robotics competitions to showcase hands-on, project based learning.

COURSE NOTE: Teacher Interview Required

CREDIT: 1

GRADE: 9-12

VIDEO GAME DESIGN**8015**

An introduction to the basic methods of game design. This course includes defining and analyzing games and their mechanics, and understanding how mechanics affect gameplay and player experiences. Practical assignments include creating digital games, testing games and looking at the overall job market in the game design field.

COURSE NOTE: CTE Course

CREDIT: 1

GRADE: 9-12

Fine Arts**Visual Arts****ART 1****6081**

The course is designed to give the aspiring artist a foundation in composition. Focus will be on the elements of art (line, shape, form, color, value, and texture), and principles of design (balance, rhythm, movement, proportion, emphasis, unity, and variety). The course also introduces various art procedures, structures, theories, and art appreciation. Art I attempts to provide experiences that will enable each student to develop his/her productive abilities in the following areas: drawing, design, painting, printmaking, and sculpture.

CREDIT: 1

GRADE: 9-12

ART 1 Advanced**6077N**

The course is designed to give the aspiring artist a foundation in composition. Focus will be on the elements of art (line, shape, form, color, value, and texture), and principles of design (balance, rhythm, movement, proportion, emphasis, unity, and variety). The course also introduces various art procedures, structures, theories, and art appreciation. Art I attempts to provide experiences that will enable each student to develop his/her productive abilities in the following areas: drawing, design, painting, printmaking, and sculpture. Students are required to produce a higher level of work, as well as participate. Teacher approved competitive elements.

COURSE NOTE: Approved criteria

CREDIT: 1

GRADE: 9-12

Performing Arts**BAND 1-PE****06011-PE**

The high school band is designed to be the culmination of the Pleasant Grove ISD band program. It is a performance oriented ensemble and stresses music as a performing art.

COURSE NOTE: Approved Criteria

CREDIT: 0.5

GRADE: 9-12

BAND 1**6011**

The high school band is designed to be the culmination of the Pleasant Grove ISD band program. It is a performance oriented ensemble and stresses music as a performing art. It is the responsibility of the music education program in the school to: bring to every child the deepest possible understanding and realization of his/her full potential through self-expressions; teach self-discipline and team effort; promote school spirit; teach music as a form of expression, an emotional outlet, and wholesome activity that can last a lifetime; and develop musically sensitive, intelligent adults who fully appreciate the significant contribution that music can make to the individual and to the community.

COURSE NOTE: Approved criteria

CREDIT: 0.5

GRADE: 9-12

PREREQUISITE: 6011PE BAND-PE

JAZZ BAND 1**6038**

Jazz band is designed to give students the opportunity to perform in a jazz ensemble and play many different styles of jazz, such as swing, rock and Latin. Students will also learn about Jazz theory, history and improvisation.

COURSE NOTE: Approved criteria

CREDIT: 1

GRADE: 9-12

COREQUISITE: MUST PARTICIPATE IN BAND 1,2,3,or 4

MUSIC 1, GUITAR 1**6020**

This course introduces students to the fundamentals of the guitar. Students will learn to read music, study music history, and play beginner chords on the guitar. They will learn to tune the guitar, as well as practice strumming and picking techniques. Students will demonstrate their skills with both solo and ensemble performances.

CREDIT: 1

GRADE: 9-12

DRILL TEAM 1**6041**

Drill team is a physical conditioning performance oriented course. Drill Team shall include various areas of performance preparation for athletic events, parades, pep rallies, and other school and community related functions. Such preparation shall include the following areas of concentration: warmup and stretching techniques, dancing techniques, and marching techniques.

COURSE NOTE: Approved criteria

CREDIT: 1

GRADE: 9-12

THEATRE ARTS 1**6051**

This course presents an overview of theatre arts. Acting techniques are developed through theatre games, concentration, and improvisation. Students develop their skills through memorization and delivery of monologues, duet acting scenes, and group scenes presented to the class and various organizations and groups. In addition, students explore the use of set design, makeup design and costume design. Students are required to attend all performances of the Theater Department and participate in the fall musical.

COURSE NOTE: Students are required to attend all performances of the Theater Department and participate in the fall musical.

CREDIT: 1

GRADE: 9-12

THEATRE ARTS 1 Advanced**6050N**

The purpose of this course is to provide opportunities for honor students to participate in a theatrical education program designed to challenge individuals capable of high performance. Students enrolled in Theatre Honors are encouraged to participate in four years of high school theatre including Theatre II Honors, Theatre III Honors and Theatre IV Honors. Students are required to complete a performance requirement each six weeks in addition to regular curriculum requirements. Additionally, students will investigate the history and origins of theatre as well as theatrical design. Students are required to attend all performances of the Theater Department and participate in the fall musical.

COURSE NOTE: Approved Criteria and director approval; Students are required to attend all performances of the Theater Department and participate in the fall musical.

CREDIT: 1

GRADE: 9-12

Speech**PROFESSIONAL COMMUNICATION (SPEECH)****1074**

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

COURSE NOTE: CTE Course

CREDIT: 0.5

GRADE: 9-12

ORAL INTERPRETATION I**1072N**

Literature and its presentation are integral to understanding the cultural aspects of a society. Students in Oral Interpretation will select, research, analyze, adapt, interpret, and perform literary texts as a communication art. Students focus on intellectual, emotional, sensory, and aesthetic levels of texts to attempt to capture the entirety of the author's work.

Individual or group performances of literature will be presented and evaluated. Students will expand speaking skills in interpretation, extemporaneous speaking and competitive speaking. Students are expected to attend 8 or more preparation tournaments, as well as, district, region and state meets. UIL, NFL, TFA, Rotary and Toastmaster are examples of the competitive speaking events in which students could compete.

COURSE NOTE: Approved criteria and application

CREDIT: 1

GRADE: 9-12

Debate

DEBATE 1

1081

Debate I will teach logical and critical thinking skills as relates to the current UIL debate topic in cross-examination and Lincoln-Douglas debate. Students will create affirmative and negative speeches and cases using research skills and materials. Students will be expected to develop competitive speaking skills for tournaments and UIL competition and will be expected to attend at least four practice debate meets throughout the year (this does NOT include the district, region, and state meets). Students will study listening and questions skills in debate and be expected to master extemporaneous speaking techniques. Students will be encouraged to attend summer speech camps.

COURSE NOTE: Approved criteria

CREDIT: 1

GRADE: 9-12

Languages Other Than English

French

FRENCH 1

3020

French I includes basic listening and speaking skills, vocabulary acquisition, and grammar study. While the emphasis is primarily on hearing and speaking, provision is made for the visual reinforcement of reading and writing. Aspects of French culture are taught incidentally and periodically throughout the year. French I is organized around five program goals: communication, cultures, connections, comparison, and communities.

COURSE NOTE: Concurrent enrollment in English

CREDIT: 1

GRADE: 9-12

Spanish

SPANISH 1

3010

Begin to develop communicative skills (reading, writing, listening, and speaking) through grammar and vocabulary in context of the language. Hispanic culture is taught throughout the course incidentally and periodically.

COURSE NOTE: Concurrent enrollment in English

CREDIT: 1

GRADE: 9-12

Other

COMPUTER SCIENCE I -LOTE

8033N

The student will learn about the different types of computers in today's society, their applications and the basic concepts of computer programming using Java. Programming will include variables and constants; decision structures; looping structures; procedures; mathematical and business functions; arrays and structures; color and graphics; creating classes; using files; sorting and searching; and some advanced applications. Logic and problem-solving skills are used extensively.

COURSE NOTE: CTE course

CREDIT: 1

GRADE: 9-12

PREREQUISITE: 9021 ALGEBRA 1

Athletics

A full athletic program is available for both boys and girls in grades 9-12. The program is operated in compliance with University Interscholastic League rules. Each participant is required to abide by all policies, procedures, and rules of the Pleasant Grove Athletic Department. Specific policies are located in the Athletic Department Handbook.

Credit for the Physical Education requirement can be obtained by taking Athletics.

BOYS TEAMS SPORTS

Football, Basketball, Baseball, Golf, Track, Tennis, Cross Country, and Soccer

GIRLS TEAMS SPORTS

Volleyball, Basketball, Softball, Golf, Track, Tennis, Cross Country, and Soccer

Physical Education

ADVANCED OUTDOOR REC

5020

Students enrolled in Adventure/Outdoor education are expected to develop competency in outdoor education activities that provide opportunities for enjoyment and challenge. Emphasis is placed upon student selection of activities that also promote a respect for the environment and that can be enjoyed for a lifetime.

CREDIT: 0.5

GRADE: 9-12

AEROBIC ACTIVITY

5021

Students in Aerobic Activities are exposed to a variety of activities that promote health-related fitness. A major expectation of this course is for the student to design a personal fitness program that used aerobic activities as a foundation.

CREDIT: 0.5

GRADE: 9-12

BAND-PE

6011-PE

The high school band is designed to be the culmination of the Pleasant Grove ISD band program. It is a performance oriented ensemble and stresses music as a performing art. It is the responsibility of the music education program in the school to: bring to every child the deepest possible understanding and realization of his/her full potential through self-expressions; teach self-discipline and team effort; promote school spirit; teach music as a form of expression, an

emotional outlet, and wholesome activity that can last a lifetime; and develop musically sensitive, intelligent adults who fully appreciate the significant contribution that music can make to the individual and to the community.

COURSE NOTE: Approved criteria

CREDIT: 0.5

GRADE: 9-12

DRILL TEAM 1-PE

6041-PE

Drill team is a physical conditioning performance oriented course. Drill Team shall include various areas of performance preparation for athletic events, parades, pep rallies, and other school and community related functions. Such preparation shall include the following areas of concentration: warmup and stretching, dancing, and marching techniques.

COURSE NOTE: Approved criteria

CREDIT: 0.5

GRADE: 9-12

FOUNDATIONS OF PERSONAL FITNESS

5050

This course is designed to teach students the importance of an active lifestyle and a healthy diet. Topics covered will include health and skill related fitness; the principles of overload, specificity, and progression; and the components of fitness.

Students will learn information necessary to develop and adjust a personal exercise and physical activity program.

CREDIT: 0.5

GRADE: 9-12

JR VARSITY CHEER 1

5028

Cheerleading is a physical conditioning and performance oriented course. Cheerleading shall include various areas of performance preparation for athletic events, parades, pep rallies, and other school and community related functions. Such preparation shall include the following areas of concentration: warmup and stretching techniques, dancing techniques, and marching techniques.

COURSE NOTE: Entrance criteria and sponsor approval

CREDIT: 1

GRADE: 9-12

VARSITY CHEER 1

5025

Cheerleading is a physical conditioning and performance oriented course. Cheerleading shall include various areas of performance preparation for athletic events, parades, pep rallies, and other school and community related functions. Such preparation shall include the following areas of concentration: warmup and stretching techniques, dancing techniques, and marching techniques.

COURSE NOTE: Entrance criteria and sponsor approval

CREDIT: 1

GRADE: 9-12

Local Courses

LEADERSHIP FRAMEWORKS

7092U

A study of the: research and theory in the psychology of learning, cognition, and motivation; factors that impact learning, and application of learning strategies. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. Students use assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned.

COURSE NOTE: CTE Course; TC General Employability Skills

CREDIT: 1.0

TYPE: Dual Credit

GRADE: 9-12

INSTRUCTIONS:

1. Circle your choices. You will have a total of eight class periods for each semester. (Classes with an * indicate one semester classes; classes with a + indicate application and tryout requirement.) Students must meet the prerequisites before taking the course(s): i.e., honors classes.
2. Selected three additional alternate courses. Be sure to list your alternates in order of preference.

- | | |
|--------------------------------------|---------------------------|
| 1. ENGLISH I / ENGLISH I H | 5. (LOTE) _____ |
| 2. ALGEBRA I / GEOMETRY / GEOMETRY H | 6. (FINE ART) _____ |
| 3. BIOLOGY / BIOLOGY H | 7. (PE) _____ |
| 4. WORLD GEOGRAPHY | 8. (OTHER ELECTIVE) _____ |

- ALTERNATES: 1. _____
 2. _____
 3. _____

LANGUAGE ARTS

- ___ 1010 English I
- ___ 1011 English I H
- ___ 1081 Debate I

MATHEMATICS

- ___ 9021 Algebra I
- ___ 9030 Geometry
- ___ 9031 Geometry H
- ___ 9023 Algebra II
- ___ 9024 Algebra II H

SCIENCE

- ___ 2021 Biology
- ___ 2022 Biology H

SOCIAL STUDIES

- ___ 4030 World Geography

OTHER LANGUAGES

- ___ 3020 French I
- ___ 3010 Spanish I
- ___ 3009 Spanish II
- ___ 8035 Computer Science I

ATHLETICS

- ___ 0011 Boy's Athletics I
- ___ 0001 Girl's Athletics I
- ___ 0012 Boy's Soccer
- ___ 0062 +Tennis I
- ___ 0060 + Golf I

FINE ARTS

- Art**
- ___ 6081 Art I
- ___ 6081+Art I Adv.
- Dance**
- ___ 6041 *Drill Team I
- ___ 6041PE *Drill Team I-PE

Music

- ___ 6011 *Band I
- ___ 6011PE *Band I - PE
- ___ 6033 Instrumental Ensembles I
- ___ 6038 Jazz Band I
- ___ 6020 Music 1, Guitar
- ___ 6020 +Music 1, Guitar Adv.

Theater Arts

- ___ 6051 Theatre Arts I
- ___ 6051 +Theatre Arts I Adv.

PHYSICAL EDUCATION

- ___ 5020 *PE-Adventure/Outdoor
- ___ 5021 *PE-Aerobic Activities
- ___ 5028 +JV Cheer I
- ___ 5025 +Varsity Cheer I

CAREER AND TECHNOLOGY

ARCHITECTURE & CONSTRUCTION

- ___ 7007 Interior Design

ARTS, AUDIO/VISUAL, INFORMATION TECHNOLOGY, & COMMUNICATION

- ___ 8013 Princ. of A/V Tech & Comm.
- ___ 8077 Animation I
- ___ 8015 Video Game Design
- ___ 8035 Computer Science I
- ___ 8076 Graphic Design & Illust. I

BUSINESS MANAGEMENT AND ADMINISTRATION

- ___ 8011 Bus. Info Mgt. (BIM I)
- ___ 8032 Business Law

EDUCATION AND TRAINING

- ___ 7099 Princ. of Educ. & Training

FINANCE

- ___ 8022 Accounting I
- ___ 8029 Securities & Investments

HEALTH SCIENCES

- ___ 7045 Principles of Health Sciences
- ___ 8003 Principles of Nursing Science

HUMAN SERVICES

- ___ 7006 Principles of Human Services
- ___ 7012 *Interpersonal Studies
- ___ 7010 *Dollars & Sense

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

- ___ 7044 Principles of Law & Public Safety

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

- ___ 8069 Princ. of Applied Engineering
- ___ 7027 Robotics I

OTHER ELECTIVES

Leadership

- ___ 7092u Leadership Frameworks DC

Speech

- ___ 1074 *Professional Communication
- ___ 1086 Ind. Studies in Speech
- ___ 1072 Oral Interpretation I

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