

Freshman Academy

FRESHMAN



ESTABLISHED 2000

Introductory level courses open to ninth graders are available from all Career Academies. Please see the complete career pathway of courses listed under the respective Career Academy.

Basic Agricultural Science

Grade Level: 9-10

Prerequisite: None

This course is designed as the foundational course for all Agricultural, Food & Natural Resources Pathways. The course introduces the major areas of scientific agricultural production and research; presents problem-solving lessons and introductory skills and knowledge in agricultural science and agri-related technologies. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Beginning Chorus I and II

Grade level: 9-12

Prerequisite: None

Beginning chorus is offered to freshmen and any upper class members that need further preparation for Intermediate Chorus. Beginning chorus will offer students an opportunity to enrich their musical talents. Students will focus heavily on learning to read music notation. No previous music experience is necessary for this course. Techniques for correct vocal production and ear training are also emphasized. **NOTE: This is a performing group and performances outside of the regular school day may be required**
Students are encouraged to enroll in both semesters.

Introduction to Business & Technology

Grade level: 9-12

Prerequisite: None

Introduction to Business & Technology is the foundational course for Administrative Support, Small Business Development, Finance and Human Resources Management pathways. The course is designed for high school students as a gateway to the career pathways above, and provides an overview of business and technology skills required for today's business environment. Knowledge of business principles, the impact of financial decisions, and technology proficiencies demanded by business combine to establish the elements of this course. Emphasis is placed on developing proficient fundamental computer skills required for all career pathways. Students will learn essentials for working in a business environment, managing a business, and owning a business. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organization, Future Business Leaders of America (FBLA), are integral components of both the employability skills standards and content standards for this course. Professional communication skills, problem-solving, ethical and legal issues, and the impact of effective work ethic skills are taught in the course as a foundational knowledge to prepare students to be college and career ready. **This course offers students the opportunity to train and become Microsoft Word Certified.**

Introduction to Digital Technology

Grade level: 9-12 **Prerequisite: None**

Introduction to Digital Technology is the foundational course for Web & Digital Communications, Programming, Advanced Programming, Information Support & Services and Networking pathways. This course is designed for high school students to understand, communicate and adapt to a digital world as it impacts their personal life, society and the business world. Exposure to foundational knowledge in hardware, software, programming, web design, IT support and networks are all taught in a computer lab with hands-on activities and project-focused tasks. Students will not only understand the concepts, but apply their knowledge to situations and defend their actions/decisions/choices through the knowledge and skills acquired on this course. Employability skills are integrated into activities, tasks and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organization, Future Business Leaders of American (FBLA), are integral components of both the employability skills standards and content standards for this course. Various forms of technologies will be highlighted to expose students to emerging technologies impacting the digital world. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are taught in this course as a foundational knowledge to prepare students to be college and career ready. The knowledge and skills taught in this course build upon each other to form a comprehensive introduction to digital world.

Beginning Band

Grade Level: 9-12 **Prerequisite: None required**

Beginning Band is offered to 9-12 graders who wish to learn how to play a wind or percussion instrument. No audition is required; however, a playing test may be necessary. This class is designed for the student who has no or little experience playing a musical instrument. Emphasis will be placed on individual musicianship and group musicianship through the study of basic fundamental techniques. Emphasis will also be placed on self and group discipline. Beginning Band II, III and IV are continuations of the skills developed in Beginning Band I. **Student must enroll in both semesters of band.**

Percussion Band

Grade Level: 9-12 **Prerequisite: 8th Grade Band and Director's Approval**

Percussion Band is offered to 9-12 graders who wish to improve their knowledge of percussion technique. No audition is required; however, previous playing experience is necessary. Certain performances will be required; therefore, it is not recommended that the student enter just to play in class. Activities that may be required are band camp, all rehearsals, field and marching shows, parades, marching festivals and competitions, district honor band clinic and All-State Band. Emphasis will be placed on individual musicianship and group musicianship through the study of basic fundamental techniques. Emphasis will also be placed on self and group discipline. Percussion Band II, III and IV are continuations of the skills developed in Percussion Band I.

Concert Band

Grade Level: 9-12 **Prerequisite: 8th Grade Band and Director's Approval**

Concert Band is designed for the intermediate band student, playing level III literature. No audition is required; however, previous playing experience is necessary. Certain performances will be required; therefore, it is not recommended that the student enter just to play in class. Activities that may be required are band camp, all rehearsals, field and marching shows, parades, marching festivals and competitions, district honor band clinic and All-State Band. Emphasis will be placed on individual musicianship and group musicianship through the study of basic fundamental techniques. Emphasis will also be placed on self and group discipline. Concert Band II, III and IV are continuations of the skills developed in Concert Band I.

Symphonic Band

Grade Level: 9-12 **Prerequisite: Audition and Director's Approval**

Symphonic Band is designed for the advanced band student, playing levels IV and V literature. Certain performances will be required; therefore, it is not recommended that the student enter just to play in class. Activities that may be required are band camp, all rehearsals, field and marching shows, parades, marching festivals and competitions, district honor band clinic and All-State Band. Emphasis will be placed on individual musicianship and group musicianship through the study of basic fundamental techniques. Emphasis will also be placed on self and group discipline. Symphonic Band II, III and IV are continuations of the skills developed in Symphonic Band I.

Wind Symphony Band

Grade Level: 9-12

Prerequisite: Audition and Director's Approval

Wind Symphony is designed for the most advanced band student, playing levels V and VI literature. Marching band is also required. Certain other performances will be required; therefore, it is not recommended that the student enter just to play in class. Activities that may be required are band camp, all rehearsals, field and marching shows, parades, marching festivals and competitions, district honor band clinic and All-State Band. Emphasis will be placed on individual musicianship and group musicianship through the study of basic fundamental techniques. Emphasis will also be placed on self and group discipline. Wind Symphony II, III and IV are continuations of the skills developed in Wind Symphony I.

Drama Fundamentals

Grade level: 9-12

Prerequisite: None

Through the study of theatre, the student will develop skills in communication and performance. Students will study voice, body and mind as tools of the actor, and will study the basics of theatre history and literature through in-class preparation of various performance projects. In addition to acting, students will have the opportunity to work in other areas of the theatre including lighting, sound, make-up, costume, design, etc. *Note: This foundations course serves as a Highly Recommended to all other Drama courses.*

Food, Nutrition and Wellness

Grade level: 9-12

Prerequisite: None

Food, Nutrition, and Wellness is the foundational course in the nutrition and food science pathway. The focus of the course is centered on healthy food and lifestyle choices. Students will investigate the interrelationship of food, nutrition and wellness to promote good health.

Mastery of standards will be acquired through varied learning interventions: project/technical-based skill performance, leadership development (FCCLA-Inter-curricula activities), and career exploration and employability training opportunities.

Foundations of Engineering and Technology

Grade level: 9-11

Prerequisite: None

The Foundations of Engineering and Technology is the introductory course for the Engineering and Technology Education pathway, and is based on the Project Lead the Way's Introduction to Engineering Design (IED) curriculum. Students dig deep into the engineering design process, applying math, science and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work.

Introduction to Drafting and Design

Grade level: 9-11

Prerequisite: None

Introduction to Drafting and Design is the foundational course for the Architectural Drafting and Design pathway. Emphasis is placed on safety, geometric construction, fundamentals of computer-aided drafting and multi-view drawings. Students learn drafting techniques through the study of geometric construction at which time they are introduced to computer-aided drafting and drawing. The standards are aligned with the national standards of the American Design Drafting Association (ADDA).

Students must take both semesters of JROTC

JROTC/ Naval Science I Cadet Field Manual 1st semester

Grade level: 9-12

Prerequisite: none

The purpose of this course is to combine all information on military drill and ceremonies, uniform regulations, physical fitness, orienteering, principles of health, first aid, survival, leadership, and communications. Minimum performance requirements of this course are in accordance with current Chief of Naval Education Training Instruction, NAVEDTRA 37128. The performance standards in this course are based on the performance standards identified in the curriculum for the United States Navy Junior Reserve Officer Training Corps. Successful completion of three courses of credit will qualify the student for advanced placement in a college ROTC program or accelerated promotion in the military service.

JROTC/ Naval Science I Introduction to NJROTC 2nd semester

Grade Level: 9-12 **Prerequisite: Navy I**

The purpose of this course is to help students understand the missions, goals, and opportunities available as members of the NJROTC program. This course will also introduce students to the basic principles of leadership, which combined with the many opportunities for practical experience in the NJROTC program will prepare them for leadership roles in school and upon graduation. Students will gain an understanding of our nation, our values, traditions, heritage, respect for our laws, as well as becoming involved, responsible citizens. Minimum performance requirements of this course are in accordance with current Chief of Naval Education Training Instruction, NAVEDTRA 37128. The performance standards in this course are based on the performance standards identified in the curriculum for the United States Navy Junior Reserve Officer Training Corps. Successful completion of three courses of credit will qualify the student for advanced placement in a college ROTC program or accelerated promotion in the military service.

Lifetime Sports Offered 2nd semester only

Grade Level: 9-12 **Prerequisite: Personal Fitness/Health**

Course introduces fundamental skills, strategies, and rules associated with lifetime sports such as tennis, bowling, golf, and racquetball. The emphasis of this class is on tennis. *This course is listed as **Introductory Outdoor Education** on the registration form for 9th graders.*

Marketing Principles

Grade Level: 9-12 **Prerequisite: None**

Marketing Principles is the **foundational course** for all pathways in Marketing Cluster. Marketing Principles addresses the ways in which marketing satisfies consumer and business needs and wants for products and services. Students develop an understanding of Employability, Foundational and Business Administration skills as well as Economics, Entrepreneurship, Financial Analysis, Human Resources Management, Information Management, Operations, Professional Development and Strategic Management.

DECA, an Association of Marketing and Management students, is the Career and Technical student organization which is an integral part of the classroom program in that it offers co-curricular competitive events on the regional, state and international levels. DECA provides application experiences for the curriculum standards and should be a part of all marketing courses. In order to further increase the number of application experiences, students could participate in work-based learning activities (which may take place in the classroom and/or in the workplace). It is also highly advantageous for students to participate in a school-based enterprise which serves as the marketing lab.

9th PE General Elective

Grade Level: 9th **Prerequisite: Personal Fitness/Health**

Physical Fitness training and team sports offered to ninth graders as a general physical education elective. Ninth grade student must also take and pass PE Personal Fitness and Health.

Industry Fundamentals and Occupational Safety

Grade level: 9-12 **Prerequisite: None**

This course is designed as the foundational course in the Carpentry, Plumbing, Electrical, Masonry, Machining, Welding and Sheet Metal pathways to prepare students for pursuit of any career in construction. The course prepares the trainee for the basic knowledge to function safely on or around a construction site. The course will provide the trainee an opportunity for an Industry Certification in the Construction Core through NCCER.

Visual Arts/Comprehensive I

Grade level: 9-12 **Highly Recommended: None**

Students will study the fundamentals of design and composition through the techniques of drawing, commercial art, crafts, and printmaking. Media to be included will be pencil, charcoal, markers, pastels, and pen and ink. *Note: This foundations course serves as a Highly Recommended to all other Visual Arts courses.*