

Elective Course Descriptions

Principles of Hospitality and Tourism Grade(s): 9-11 Term: Year Credits: 1 Prerequisites - None Course

Description: This course provides an introduction to the hospitality and tourism industry. Topics include lodging, travel and tourism, recreation, amusements, attractions, resorts, and restaurant and food beverage service. Credit Type: State Elective Credit

Introduction to Culinary Arts Grade(s): 10-12 Term: Year Credits: 1 Prerequisites - Principles of Hospitality and Tourism Course Description: This course is for students interested in pursuing a career in the food service industry. This classroom and laboratory - based course will provide insight into health and safety, nutrition and wellness, industry management, and food production skill. This course emphasizes professional standards and employability skills. Credit Type: State Elective Credit

Culinary Arts Grade(s): 11-12 Term: Year Credits: 2 Prerequisite - Intro to Culinary Arts. Course Description: This laboratory-based course begins with the fundamentals and principles of the art of food preparation and includes management and production skills and techniques. The knowledge and skills required for careers in the restaurant, food, and beverage industry are emphasized. Credit Type: State Elective Credit

Business Information Management I (BIM I) Grade(s): 9-11 Term: Year Credits: 1 Prerequisites - None Course Description: Students will create word-processing documents, spreadsheets, graphs, charts, databases and presentations using appropriate software. Students prepare for the business world and postsecondary education by strengthening computer, communications, analytical, and technical skills. Students leave this class with the computer skills needed to compete in a technology driven environment as well as a working knowledge about information and business management. Credit Type: State Elective Credit

Global Business Grade(s): 9-11 Term: semester credits: 0.5 Prerequisites – none Description: Global Business is designed for students to analyze global trade theories, international monetary systems, trade politics, and laws relating to global business as well as cultural issues, logistics, and international human resource management.

Touch System Data Entry Grade(s): 9-11 Term: semester credits: 0.5 Prerequisites – none Description: Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students will need to apply touch system data entry skills for production of business documents.

Money Matters Grade(s): 10-12 Term: Year Credits: 1 Prerequisites - none Course Description: Students will investigate global economics with emphasis on the free enterprise system and its impact on consumers and business. 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. Credit Type: State Elective Credit

Graphic Design grade(s): 9-12 Term: year credits: 1 Students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

Principles of Ag, food and Natural Resources - (1 credit) 9th-12th Grade

Prerequisite: None. Description: A comprehensive foundation course designed to introduce young adults to global agriculture. The course includes agricultural career development, leadership, communications, and personal finance. Credit Type: State Elective Credit

Floral Design Grade(s): 10-12 Term: Year Credits: 1 Prerequisites - None Course Description: This course will allow students to develop the ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. There is a per semester cost for supplies in this course. Credit Type: Fine Arts State Credit or State Elective Credit

Horticultural Science Grade(s): 10-12 Term: Year Credits: 1 Prerequisites - None Course Description: Focuses on the identification, production and care of plants. The students will study propagation, fertilizing, transplanting, and growing various plants. Students will also investigate the various career pathways within the horticulture industry. This course does not receive Science credit. Credit Type: State Elective Credit

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

Equine Science Grade(s): 10-12 Term: Semester Credits: 0.5 Prerequisites - Principles of Agriculture Course Description: Develop knowledge and skills pertaining to the selection, nutrition, reproduction, health, and management of horses. This course is recommended for those that have an interest in the Veterinary Science field. Credit Type: State Elective Credit

Small Animal Management Grade(s): 10-12 Term: Semester Credits: 0.5 Prerequisites - Principles of Agriculture Course Description: Develop knowledge and skills pertaining to small animals and the small animal management industry. This course may address topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds. Credit Type: State Elective Credit

Livestock Production Grade(s): 10-12 term: year credits: 1.0 Prerequisites – Principles of Agriculture. In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry.

Advanced Animal Science Grade(s): 12 Term: Year Credits: 1 Prerequisites - Principles of Agriculture Course Description: Develop and investigate the scientific and technological dimensions of scientific animal agriculture, genetics and reproduction on, anatomy and physiology of various livestock species, nutritional requirements, and disease and parasites of livestock. This class is recommended for those students with an interest in Veterinary Science. Credit Type: Science State Credit or State Elective Credit. This Science will count as a 4th year science.

Agricultural Mechanics and Metal Technologies Grade Placement: 10–12 Credit: 1 Prerequisite: None.

Recommended Prerequisite: Principles of Agriculture, Food, and Natural Resources. Agricultural Mechanics and Metal Technologies is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations.

Introduction to Welding Grade Placement: 9–12 Credit: 1 Prerequisite: None. Introduction to Welding will introduce welding technology with an emphasis on basic welding laboratory principles and operating procedures.

Students will be introduced to the

three basic welding processes. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. Introduction to Welding will provide students with the knowledge, skills, and technologies required for employment in welding industries. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

Knowledge about career opportunities, requirements, and expectations and the development of workplace skills will prepare students for future success.

Agricultural Structures Design and Fabrication Grade Placement: 11–12 Credit: 1 Prerequisite: None. Recommended Prerequisites: Agricultural Mechanics and Metal Technologies. In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication.

Agricultural Equipment Design and Fabrication Grade Placement: 11–12 Credit: 1 Prerequisite: None. Recommended Prerequisites: Agricultural Mechanics and Metal Technologies. In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment.

Sports Medicine I Grade placement: 9-11. credit: 1. Prerequisite: none. This course provides an opportunity for the study and application of the components of sports medicine including sports medicine, concepts of sports injury, athletic healthcare team, sports injury law, sports injury prevention, sports psychology, nutrition, recognition of injuries, emergency action plan and initial injury evaluation, first aid (CPR/AED), the injury process, immediate care of athletic injuries of specific body areas, skin conditions in sports, blood borne pathogens, thermal injuries, and special medical concerns of the adolescent athlete.

Yearbook Grade placement: 9-12. Credit 1. Prerequisite: none. Journalism helping to create the yearbook for NWH

Art I-4 grade placement 9-12 – Students rely on personal observations and perceptions, which are developed through increasing visual literacy and sensitivity to surroundings, communities, memories, imaginings, and life experiences as sources for thinking about, planning, and creating original artworks. Students communicate their thoughts and ideas with innovation and creativity. Through art, students challenge their imaginations, foster critical thinking, collaborate with others, and build reflective skills.

Computer Science I – Grades 9-12. Credit 1. Prerequisite Algebra I. Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts. These courses substitute for the other language graduation requirements.

AP Biology –Pre-requisites Biology and Chemistry. AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. The AP Biology course is equivalent to a two-semester college introductory biology course for biology majors. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with the opportunity to apply the science practices. This science will count as a 4th year science.

Freshman	Sophomore	Junior	Senior
Prin. of Ag	Ag Mechanics	Intro to Welding	Welding 2 periods
Prin. of Ag	Horticulture	Floral Design	Greenhouse
Prin. of Ag	Small Animal/Equine	Livestock	Adv. Animal Science
Prin. of Hospitality	Intro. To Culinary	Culinary 2 periods	
Band 1	Band 2	Band 3	Band 4
Art 1	Art 2	Art 3	Art 4
Athletics 1	Athletics 2	Athletics 3	Athletics 4
Sports Medicine 1	Sports Medicine 2	Sports Medicine 3	
Global Bus/ Data	Graphic Design	Money Matters	
PE			
Computer Science 1	Computer Science 2		
	Spanish I	Spanish 2	