

ENDORSEMENTS, CAREERS, PATHWAYS & COURSE CHOICES

Current eighth grade students will follow the Foundation Plan for planning high school courses. This will allow flexibility for you to make more choices in your course selections for the next four school years. You will choose one of five endorsement areas as part of your graduation plan. You will meet with your counselor and review your personal graduation plan options. You and your parents/guardians will select your endorsement area and will confirm and sign a personal graduation plan in 9th grade. Below you will find the five endorsements, examples of some career choices within each, and a partial list of courses within the endorsement area that you may choose from over the next four years.

STEM Endorsement

Science, Technology, Engineering, Advanced Math

Types of Careers—Engineer (Petroleum, Mechanical, Electrical, Civil, Biomedical, Computer), Chemist, Physicist, Medical Scientist, Geoscientist, Biochemist, Mathematics or Science Teacher, Anthropologist, Archeologist, Astronomer, Aerospace Engineer

Courses for STEM Endorsement

Science —Physics, AP Physics I, II, Physics I IB, Physics II IB, Aquatic Science, Astronomy, Environmental Systems, Biology AP, Biology IB, Chemistry AP, Chemistry II IB, Environmental Science AP, Veterinary Medical Applications (CHS & MHS), Equine Science (CHS & MHS), Advanced Plant & Soil Science (LHS), Anatomy & Physiology, Anatomy & Physiology IB, Forensic Science, Veterinary Medical Applications

Technology—Biotechnology, Principles of Technology

Engineering—Engineering Design and Presentation, Advanced Engineering Design & Presentation, Monterey PLTW—Pathway to Engineering (PTE), Introduction to Engineering Design (PLTW) (MHS), Principles of Engineering, Computer Integrated Manufacturing, Computer Science & Software Engineering, Digital Electronics, Engineering Design & Development, Robotics and Automation, Coronado Infinity Project/Engineer Your World—Concepts of Engineering & Technology, Engineering Design I, and Engineering Design 2

Computer Science - Computer Science I & II, Computer Science II IB, Computer Science III IB, Computer Programming & Advanced Computer Programming

Mathematics —Algebra II, Algebra II Pre-AP, Pre-Calculus, Pre-Calculus Pre-AP, Calculus AB, Calculus BC, Independent Study

Mathematics – College Algebra, Statistics, Math Studies IB, Mathematics SL IB, Mathematics HL IB

Business and Industry Endorsement

Database management, information technology, communications, accounting, finance, marketing, graphic design, architecture, construction, welding, logistics, automotive technology, hospitality & tourism and agricultural science

Types of Careers—Financial Manager, Economist, Market Research Analyst, Public Relations Manager, Accountant, Auditor, Chef, Chief Executives in Agriculture, Forestry, Fishing and Hunting, Teachers, Human Resources, Training, and Labor Relations Specialists, Gas Plant Operator, Veterinary Technician, Forest and Conservation Worker, Surveyor, Interior Designer, Architect, Construction Manager, Sales Representative, Wholesale & Manufacturing, Art Director, Broadcast News Analyst, Film Producer, Film Director, Film and Video Editor, Technical Writer, Librarian, Public Relations Specialist, Writer, Author, Multimedia Artist, Animator, Web Designer, Industrial Engineer, Welder, Maintenance and Repair Worker, Commercial and Industrial Design, Salesperson, Purchasing Manager, Airline Pilot, Co-Pilot and Flight Engineer, Marketing and Sales Manager, Aircraft Cargo Handling Supervisor, Bus Driver, Industrial Machinery Mechanic, Tire Repairer and Changer, Crane and Tower Operator, Mobile Heavy Equipment Mechanic, Welder, Surveyors, Construction & Building Inspectors, Plumbers, Pipefitters, & Steamfitters

Courses for Business and Industry Endorsement

Agriculture, Food and Natural Resources—Principles of Agriculture Food and Natural Resources, Agribusiness Management and Marketing, Small Animal Management, Equine Science, Livestock Production, Food Technology and Safety, Veterinary Medical Applications, Wildlife, Fisheries and Ecology Management, Range Ecology and Management, Energy & Natural Resources Technology, Principles and Elements of Floral Design, Landscape Design and Turf Grass Management, Horticulture Science, Advanced Plant and Soil Science (LHS)

Architecture and Construction—Interior Design, Architectural Design, Construction Technology, Advanced Construction Technology

Arts, A/V Technology and Communications—Audio/Video Production, Advanced Audio/Video Production, Practicum in Audio/Video Production, Web Technologies, Advanced Web Technologies, Fashion Design, Advanced Fashion Design, Fashion Design III, Professional Communications, Digital and Interactive Media, Animation, Advanced Animation, Graphic Design & Illustration, Graphic Design & Fashion Illustration, Advanced Graphic Design & Illustration, Video Game Design, Video Game Design II, Video Game Design III

Business Management and Administration – Business Information Management I, II, Accounting I, II, Money Matters, Entrepreneurship, Retailing and E-Tailing, Sports Marketing, Fashion Marketing, Business English, Touch Systems Data Entry

Finance—Principles of Business Marketing and Finance, Money Matters, Accounting I, Accounting II

Hospitality and Tourism—Introduction to Culinary Arts, Culinary I & II

Information Technology—Principles of Information Technology, Computer Maintenance, Computer Networking, Computer Technician, Video Game Design, Video Game Design II, Video Game Design III, Computer Programming, Advanced Computer Programming, Research in Information Technology Solutions, Web Technologies, Advanced Web Technologies

Manufacturing --Principles of Manufacturing, Welding, Advanced Welding, Precision Metal Manufacturing, Advanced Precision Metal Manufacturing; Practicum in Manufacturing

Marketing -- Principles of Business Marketing and Finance, Business Information Management I, Retailing and E-tailing, Sports and Entertainment Marketing, Fashion Marketing, Business Information Management II, Marketing Dynamics (Marketing I), Practicum in Marketing Dynamics (Marketing II)

Transportation, Distribution & Logistics—Collision Repair and Refinishing, Advanced Collision Repair and Refinishing, Automotive Technology, Advanced Automotive Technology, Practicum in Transportation, Distribution & Logistics

English Electives – Broadcast Journalism, Newspaper, Public Speaking and Debate

Public Services Endorsement

Education and Training, Government and Public Administration, Law Public Safety, Corrections & Securities, Culinary Arts and Hospitality, JROTC

Types of Careers—Health Teacher, Special Education Teacher, Elementary School Teacher, Educator, Interpreter and Translator, College Academic Advisor, Mental Health Counselor, Fire Fighter, Police Officer, Detective and Criminal Investigator, Arson Investigator, Lawyer, FBI Agent, Judge, Paramedic, Parole Officer, Fingerprint Expert, Legal Secretary, Crime Scene Technician, Coroner, Court Clerk, Social Worker, Marriage and Family Therapist, Dietitian/Nutritionist, Clinical and School Psychologist, Cosmetologist, Private Investigator, Military Officer, Cruise Director, Restaurant Manager, Food Broker, Park Warden, Golf Course Manager, Athletic Trainer, Physician, Dentist, Chiropractor, Health Services Manager, Pharmacist, Physical Therapist, Dental Hygienist, Registered Nurse, Personal & Home Care Aide, Home Health Aide, Medical Assistant, Pharmacy Technician, Substance Abuse Counselor

Courses for Public Services Endorsement

Cosmetology—Introduction to Cosmetology, (CHS, MHS, & EHS only), Cosmetology I, Cosmetology II

Education & Training— Principles of Education and Training, Child Development, Ready, Set, Teach I & Ready, Set, Teach II

Government and Public Administration— Foundations of Freedom, Practical Law, Public Policy and International Relations, Military History

Health Science—Principles of Health Science, Anatomy & Physiology, Health Science, Medical Microbiology, Pathophysiology, Practicum in Health Science II Emergency Medical Technician – EMT), Medical Math, Medical Terminology, Practicum in Health Science Certified Nurse Aide (CNA), Practicum in Health Science in Certified Medical Assistant (CMA), Practicum in Health Science in Certified Patient Care Technician (CPCT)

Human Services—Principles of Human Services, Child Development, Dollars and Sense, Interior Design, Fashion Design, Advanced Fashion Design, Fashion Design III, Lifetime Nutrition and Wellness

Law, Public Safety, & Security --Principles of Law, Public Safety, Corrections, and Security, Law Enforcement I, Law Enforcement II, Forensic Science, Court Systems and Practices, Practicum in Law Public Safety Corrections and Security

Junior Reserve Officer Training Corps (JROTC) —Army—JROC I, II, III, IV (EHS) Navy—JROTC I, II, III, IV (LHS)

Arts and Humanities Endorsement

Political Science, World Languages, Cultural Studies, English Literature, History, Fine Arts

Types of Careers—Art Appraiser, Artist, Technical Illustrator, Sculptor, Jewelry Designer, Editorial Cartoonist, Architectural Historian, Travel Guide, History or Art Teacher, Dance Instructor, Choreographer, Music or Dance Teacher, Interpreter for the Deaf, History or World Language Teacher, Librarian, Internet Researcher

Courses for Arts and Humanities Endorsement

Fine Arts—Principles and Elements of Floral Design, 3-D Graphic Modeling & Animation or a coherent sequence of four credits of the following: Art, Dance, Theatre or Music

Social Studies—European History AP, European History/20th Century World Topics IB, History of the Americas/20th Century World Topics IB, Psychology, Psychology Pre-AP, IB Psychology, Sociology, Special Topics in Social Studies: American Culture Studies, Practical Law or Practical Law Pre-AP, Academic Decathlon Pre-AP, World Civilizations Pre-AP, Human Geography AP, World Geography Studies, World History Studies, World History Studies AP, Revenue, Taxation, and Regulation, National Security, Public Management and Administration

World Language—American Sign Language I, II, III, Computer Programming I, II, French I, II, French II Pre-AP, French III Pre-AP, French IV AP, French IV IB, French V Pre-AP, French V IB, German I, II, German II Pre-AP, German III Pre-AP, German IV AP, German IV IB, German V IB, IB AB Initio Mandarin IB, IB AB Initio Mandarin II IB, Latin I, II, Latin II Pre-AP, Latin III Pre-AP, Latin IV AP, Latin IV IB, Latin V Pre-AP, Latin V IB, Spanish I, II, Spanish II Pre-AP, Spanish III Pre-AP, Spanish IV AP, Spanish IV IB, Spanish V, Spanish V IB, Spanish VI

Multidisciplinary Endorsement

Four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in a coherent sequence; or

Four credits in each of the four foundation subject areas to include English IV and chemistry and/or physics; or

Four advanced placement or International Baccalaureate courses to include one credit in each of the four foundation subjects.