

# FONTANA HIGH SCHOOL

## Course Narratives

### **1.**

**Honors Freshman English** - Narrative writing is emphasized freshman year. This course includes an emphasis on writing skills, literary analysis, and independent reading, including summer reading. This course prepares students with the skills for Sophomore English Honors.

**Honors Biology** – This course focuses on the molecular basis of biology: cells, genetics, evolution and diversity, ecology, animal structure and function and plant structure and function. The investigations and laboratories in this course will provide the students with the opportunity to develop their lab skills.

**AP Human Geography** - Introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice.

**World History** - Study major turning points that shaped the world from the late 18<sup>th</sup> Century through the present. The following is included: a review of Judeo-Christian and Greco-Roman influence, the impact of the American and French Revolutions; with particular focus given to the Industrial Revolution, Imperialism, World War I and II, the Cold War and post-Cold War era.

#### **AVID 1 – Interview to be conducted.**

Supports students with college admission eligibility by focusing on study skills, college and college admissions awareness, note-taking, levels of questions, writing skills, and communication skills. Fohi AVID is one of the top programs in the country, boasting a college acceptance rate over 99%.

**Computer Science** – Exploring Computer Science is designed for students who are curious about how computing affects their lives, want to use computers more effectively and may consider becoming technology producers. By exploring our role as consumers, users and ultimately developers of technology, we will learn how computers operate, examine how new computing technologies are invented and explore major programming building blocks by creating games and animations.

## **2. PHYSICAL EDUCATION**

PE – regular

**Lead ROTC 1** – An introductory Marine Corps leadership course teaches the basis tenants of proven leadership processes and theories. The leadership benefits of close order drill, physical training and personal inspection/interview preparation are included each week. This class includes marksmanship safety and training along with community service opportunities. Life skills are also taught. (4 semester commitment)

**Marching Band** - (1<sup>st</sup> semester – PE Credit) & **Wind Ensemble** – (2<sup>nd</sup> semester – Fine Art Credit) – Performance oriented class provides instruction at the advanced level on wind instruments. Students will perform at various community events and at statewide music festivals.

**Marching Band Percussion** - Performance oriented class provides instruction at the advanced level on percussion instruments. Students will perform at various community events and at statewide music festivals.

**Color Guard** – Performance oriented class provides instruction with tall flags. Students will perform at various community events and at statewide music festivals.

**Athletics (Sports)**- Flip page over for Athletic information

## Athletics (Sports)-

FALL	WINTER	SPRING
CROSS COUNTRY (BOYS & GIRLS)	BASKETBALL (BOYS & GIRLS)	BASEBALL
FOOTBALL	SOCCER (BOYS & GIRLS)	SOFTBALL
VOLLEYBALL	WATER POLO (GIRLS)	SWIMMING (BOYS & GIRLS)
WATER POLO (BOYS)	WRESTLING (BOYS & GIRLS)	TRACK (BOYS & GIRLS)
<b>ALL YEAR</b>		
PEP SQUAD/CHEERLEADING		

### **3. VISUAL and PERFORMING ARTS**

**Art 1** – Beginner level course that introduces the elements of art and principles of design through the use of various media. The purpose of the course is to provide students with an understanding of the visual arts, and aesthetic choices that affect our daily lives.

**Choir Ensemble** – An introductory singing and performance class designed to help students learn basic singing skills as well as notation and theory. Students will learn choral literature with a goal of performance.

**Orchestra** – Students learn instrumental technique, development of music reading and comprehension skills, and a deeper understanding of small group ensemble music and orchestral literature. Students will perform both in small group ensemble projects and as a large group.

**Piano 1** – Focuses on teaching basic piano skills, as well as music notation and theory. By the end of the class, students will be able to play simple to intermediate level songs.

**Printmaking 1A/1B** – A hands-on introduction to the Relief process, ranging from cutting away to built-up processes, linoleum cut, etching and printing collographs.

### **4. WORLD LANGUAGES**

**Spanish 1** – Designed for students that do not speak any Spanish.

**Spanish 2 Native** – Designed for students who speak Spanish fluently, but have difficulty or cannot read or write in Spanish.

**Spanish 3 Native** - Designed for those who already speak, read, and write in Spanish, but need to improve reading and writing skills for success in courses with a major emphasis on literature.

**French 1** – Provides the student with an opportunity to learn and develop French language skills needed to communicate in basic French conversations.

**French 2** – (Truman MS student) if you took French 1 at Truman MS as an elective.

## **5. CTE PATHWAYS**

**Automotive** - Introduction to the automotive service industry. There are multiple courses within this pathway that cover the following: engines, transmissions, driveline, steering, suspension and braking systems, heating and air conditioning systems, electricity and electronics, air conditioning.

**BioAnimatronics** – Students will learn to program animatronic robots, design and build prototypes to replicate human body parts such as fingers, elbows, knees, etc. They will also use advanced manufacturing and design equipment such as 3D printers, CNC machines, and Plastic Formers to develop and build medical technology devices to improve human conditions.

**Drama/Acting** - This hands-on course gives the students a taste of each discipline: acting, directing and technical theater. Emphasis will be on the development of creativity, sensitivity, and intelligent participation in human expression.

**Emergency Medical Responder** - Students will learn the anatomy and physiology of the human body, EMR principles of emergency care, on-scene safety and precautions. They will gain experience in assessing patients, protocols and procedures for transporting patients, and dealing with medical or behavioral emergencies.

**Fire Prevention** - Provides an introduction and overview to fire protection and emergency services; career opportunities in fire protection and related fields; history, laws and regulations of emergency and fire services; fire departments as part of local government; basic fire chemistry and physics; life safety initiatives.

**Law Enforcement** - Provides students with understanding of the principles of law enforcement. Discussion is focused on wide spectrum of law enforcement agencies, identifying most important characteristics of city, state, and federal police work. This class is a rigorous academic and physically challenging program, cadets are required to develop a commitment to achievement, academic excellence, physical fitness and teamwork.

**Multimedia Design/Video Production** - Multimedia design is the art of integrating multiple forms of media. It is used in video games, information kiosks, websites and many other interactive applications. In this class, you will learn both the creative and technical skills needed to integrate two or more types of media.

**Nursing** - Instruction includes both classroom and mandatory clinical training in patient care procedures, safety, infection control, rehabilitative patient care, and communication with patients, doctors, patient's families and staff. (Minimum age: 16, recommended Seniors)

**Product Design** – Using 3D design software, discover the role of an engineer in taking an idea from the design process to manufacturing or production. Produce working prototypes with a state-of-the-art 3D printer. You will work on projects, activities, and problems not only of interest to you, but that have global and human impacts. Work in teams to design and improve products, document your solutions, and communicate them to others.

**ROTC Cadet** – Our Marine Corp JROTC program represents the best of FOHI, and is recognized as a Naval Honor School, the highest rating and honor nationally. ROTC teaches and inspires self-discipline, self-confidence, teamwork, and leadership skills to help young men and women successfully meet life's challenges.

**Sports Medicine** - Prepares students with entry-level employment skills in the areas of fitness and exercise, physical therapy, and athletic training. Instruction will include basic anatomy and physiology, vital signs, first aid, CPR and nutrition for fitness and sports.

**Theatre Production** – Students choose an area of interest: technical theater or performance. Technical theater students learn hands-on course in the technical side of theater, which includes lighting, sound, make-up, costuming, set design and construction. Students involved with the performance learn hands-on acting skills, including artistic perception, creative expression and aesthetic valuing.

**Welding** - Students will learn how to cut and prepare metal using an Oxy-Acetylene torch. By the end of the course students will be able to produce an Oxy-Acetylene welded project. Specific skills to be taught include electric arc welding, and identification of electrodes and metals.

**Woodworking** - An introduction to machine woodworking with emphasis on safe and accurate operation of the common woodworking machines. Students will learn layout and measurement, simple joinery and construction techniques, abrasives, simple finishing, estimating.