

Madison High School 9th Grade Elective Courses for 2021-2022 School Year

FRENCH 1 (511000) Students develop the ability to communicate about themselves and their immediate environment using simple sentences containing basic language structures. This communication is evidenced in all four language skills - listening, speaking, reading and writing - with emphasis on the ability to communicate orally and in writing.

FRENCH 2 (512000) Prerequisite: French 1. Students continue to develop proficiency in all four language skills - listening, speaking, reading, and writing - with emphasis on the ability to communicate orally and in writing.

LATIN 1 (531000) Students learn basic language structures and essential elements of Latin pronunciation in order to be able to read simple passages in Latin. The relationship of English to Latin is emphasized in vocabulary building, word derivation, and meanings of prefixes and suffixes. The geography, history, government, and the culture of the Roman Empire are studied.

LATIN 2 (532000) Prerequisite: Latin 1. Students learn additional vocabulary, more complex language structures and syntax in order to be able to read more challenging passages in Latin.

SPANISH 1 (551000) Students develop the ability to communicate about themselves and their immediate environment using simple sentences containing basic language structures. This communication is evidenced in all four language skills - listening, speaking, reading, and writing - with emphasis on the ability to communicate orally and in writing.

SPANISH 2 (552000) Prerequisite: Spanish 1. Students continue to develop proficiency in all four language skills - listening, speaking, reading, and writing - with emphasis on the ability to communicate orally and in writing. They learn to function in real-life situations using more complex sentences and language structures.

SPANISH FOR FLUENT SPEAKERS 1 (551100) This course offers fluent speakers of Spanish the opportunity to strengthen their basic skills in reading and writing Spanish. The students learn about the Hispanic contributions to the English language and American culture. The students also study the major historical figures and events of Spanish-speaking countries

AFRICAN AMERICAN HISTORY (237100) The course will challenge students to explore primary and secondary sources documenting the African American experience by surveying African American history from precolonial Africa through today. It introduces students to key concepts in African American history, from early beginnings in Africa through the transatlantic slave trade, the Civil War, Emancipation, Reconstruction, the Civil Rights era and to the present.

SPORTS MEDICINE (763000) Prerequisite: Successful completion or concurrent enrollment in biology. Students will study and apply concepts related to medical professions, anatomy and physiology of skeletal and muscular systems, kinesiology, types of injuries, injury prevention and nutrition. Students may not take this course in lieu of the grade 9 or grade 10 Health or Physical Education requirements.

CREATIVE WRITING (117100) This course provides students an opportunity for additional writing instruction beyond the standard English program. Experimentation with many forms of writing is encouraged, with an emphasis on poetry, prose fiction, plays, and other forms of descriptive writing. Students continue to expand and refine their ability to write through analyzing and evaluating their own writing and that of other students.

BROADCAST JOURNALISM (122000) In this course, students learn and practice the language and processes of broadcast journalism and reporting. They develop an understanding of the role and responsibilities of broadcast journalists.

JOURNALISM 1 (120000) In Journalism 1 students learn the history and language of journalism, develop communication skills in writing, design and edit for a variety of media, understand news and the process of publication, and become more critical readers and consumers of mass media.

FILM STUDY (144600) This course involves the study of classic and award-winning films. Students critique both the artistic and technical merits of the films. They study the development of theme, plot, characterization, and setting in each production. They learn the vocabulary associated with film and use this vocabulary when discussing or writing about films. Students may create their own short films.

COMPUTER SCIENCE (318400) Prerequisite: Algebra 1 and Geometry. Students develop detailed knowledge of the fundamental structure of a computer system, with emphasis on problem solving and structured programming. Skills in defining, writing, and running programs on a computer are developed through an individual approach that allows the student to work with both mathematical and non-mathematical problems. Java will be the major programming language.

AP COMPUTER SCIENCE PRINCIPLES (318507) The AP Computer Science Principles course is equivalent to a first-semester introductory college computing course. The course explores the big ideas of computing: creativity, abstraction, data and information, algorithms, programming, the Internet, and global impact.

PROGRAMMING (664000) This course helps participants understand the processes involved in software development and object-oriented programming. Through real-world projects, students explore computer concepts, apply logic procedures, and implement programming procedures with one or more languages, such as Java Script, C# and Python.

CYBERSECURITY FUNDAMENTALS (630200) Cybersecurity affects every individual, organization, and nation. This course focuses on the evolving and all-pervasive technological environment with an emphasis on securing personal, organizational, and national information. Students will be introduced to the principles of cybersecurity, explore emerging technologies, examine threats and protective measures, and investigate the diverse high-skill, high-wage, and high-demand career opportunities in the field of cybersecurity.

STEM DESIGN* (843500) This course provides balance between basic applied engineering and skill building in Computer Aided Design (CAD). Students will be exposed to authentic problems which will assist in the development of personal skills in visualization, design, construction, digital development and problem-solving principles.

INTRODUCTION TO MARKETING (811000) Students gain an understanding of the importance of marketing in today's society. They develop skills related to interpersonal communication, self-presentation, economics, marketing, sales, employability, career discovery, and ethical decision-making. Field trips, guest speakers, and competitive events through DECA membership enhance the course work.

NUTRITION AND WELLNESS* (Formerly Fitness and Foods) (822832) This course is designed to focus on making choices that promote wellness and good health, obtaining and storing food for self and family, preparing and serving nutritious meals and snacks, and using science and technology in food management. **This course is for half a year, the other half of the year is Introduction to Interior Design (825432).**

INTRODUCTION TO INTERIOR DESIGN* (825432). Introduction to Interior Design students explore influences on the design of interior spaces, investigate careers in the interior design industry, and focus on the technical and soft skills necessary for employment in the interior design profession. **This course is for half a year, the other half of the year is Nutrition and Wellness (822832).**

BAND * (923415) Prerequisite: Successful audition. Students in this course form the representative performing band for the school. Emphasis is placed on the sequential development of advanced technical skills and on the study of related literature. Marching band techniques, rehearsals, and performances are required in this course. Students must meet both the school day and outside of the school day participation requirements to receive credit for the course.

ORCHESTRA* (923816) Prerequisite: Attainment of beginning level skills and permission of instructor. Students continue developing as individual musicians and as members of a musical group. Emphasis is placed on the development of intermediate level technical and ensemble skills necessary for performance. Students must meet both the school day and outside of the school day participation requirements to receive credit for the course.

TREBLE CHOIR* (928516) Students will participate in a chorus of mixed voices. Emphasis is placed upon correct vocal performance techniques and sight-singing through the study of appropriate choral literature. Students must meet both the school day and outside of the school day participation requirements to receive credit for the course.

BASSO CHOIR* (926017) Students will participate in a chorus of men's voices. Emphasis is placed upon correct vocal performance techniques and sight-singing through the study of appropriate choral literature. Students must meet both the school day and outside of the school day participation requirements to receive credit for the course.

GITAR 1* (924515) Students learn the fundamentals of guitar. Guitar instruction emphasizes basic technique, reading, progressions, and music theory. Instructional literature is selected from classical and contemporary repertoire. Guest artists and field trips to performances and/or seminars may also be part of the curriculum.

TECHNICAL THEATRE 1 * (143511) Students will identify areas of special interest in Technical Theatre. Emphasis is placed on in-depth study, assumption of leadership roles, and application of self-assessment to improve skills and foster artistic growth. Participation in co-curricular activities and productions may be required to receive credit for this course.

THEATRE ARTS 1* (141000) Theatre Arts 1 is a foundations course that introduces students to dramatic literature, theatre history, technical theatre, artistic leadership, and acting. This course provides opportunities for students to experience and participate in the creative processes of performance and production. This course emphasizes skill development and provides theatrical opportunities that enable students to determine personal areas of interest. Participation in co-curricular activities and performances may be required to receive credit for this course.

STUDIO ART AND DESIGN 1* (912000) Explore a variety of exciting opportunities and materials to inform the artmaking process. Learn to think conceptually and realize potential as a creative and critical thinker in order to meet the challenges of 21st century living. Explore personal interests while developing skills in the areas of drawing, painting, printmaking, ceramics, sculpture, and digital media. Course content includes art production, art appreciation, and studies in visual culture.

3-D STUDIO ART 1* (919711) Push the boundaries of materials and develop unique, meaningful artworks related to perceptions of self. Pursue an in-depth study of 3D media in the fields of sculpture, ceramics, architecture and other three-dimensional art forms. Explore exciting new approaches and processes while refining traditional skills and techniques. Cultivate creativity and discover new artists and art movements that expand understanding of art and visual culture.

DIGITAL ART & DESIGN 1* (918011) Use technology to think creatively, solve visual problems, and create personally expressive, original artworks related to the theme of a sense of place. Develop expertise in the use of computers, scanners, and digital cameras for artmaking. Make interdisciplinary connections through study of artists, designers, and events in cultural, historical, and contemporary frameworks. Learn to address ethical issues concerning computer generated imagery. No prior computer experience is required.

PHOTOGRAPHY 1* (919311) Explore and practice standard black and white photographic processes through the use of cameras, films, light effects, and the application of basic darkroom techniques. Explore and practice digital photographic processes. Produce meaningful photographs that express ideas about experiences and observations of the world. Study the history of photography and the work of well-known photographers to inform artmaking.

ECONOMICS AND PERSONAL FINANCE HN (612036) The Honors EPF course incorporates project-based learning and curriculum extensions that will require students to analyze the costs and benefits of economic policies to society and to themselves. In addition to being able to define, identify, and understand financial and economic systems, students will analyze the differences between domestic and global policies and the evolution, and oftentimes unintended consequences, of those policies.

*This course requires a student materials fee as listed in FCPS Notice 5922.

- For more information on Core Curriculum classes please refer to the online Madison High School 9th Grade Course Catalog 2021-2022:

<https://insys.fcps.edu/CourseCatOnline/#/frontPanel/431/nocourselist/1/0/0>