

Daniel Hand High School

2023 - 2024 Program of Studies

Overview of Changes

- ❖ STEM & Humanities Criteria for Designation
- ❖ Department Specific Updates
 - Art Department
 - CTE Department
 - English Department
 - Mathematics Department
 - Music Department
 - P.E. and Health & Wellness Department
 - Science Department
 - World Language Department



STEM Designated Courses

At least 50% of the academic standards taught and/or assessed in the written curriculum include:



- ❖ Common Core Math
- ❖ NGSS
- ❖ ITEEA
- ❖ CSDE CTE Technology Education
 - Domains include: Automotive Technology, CADD, Digital Video Production Systems, Engineering Technology and Wood Technology
- ❖ National Core Arts Standards
 - Strands include: Music Technology



Humanities Designated Courses

At least 50% of the academic standards taught and/or assessed in the written curriculum include:



- ❖ Common Core English Language Arts
- ❖ Common Core History/Social Studies
- ❖ ACTFL World Readiness Standards
- ❖ CSDE Social Studies
 - Domains include: Civics, Economics, Geography and History
- ❖ CSDE CTE Business Management
 - Domains include: Business Law and Economics
- ❖ **National Core Arts Standards**
 - **Strands include: Composition and Theory, K-12 Media Arts, Visual Arts**



Art Department Update

Art Philosophy

“Art is not a thing, it is a way.” -Elbert Hubbard

Art is essential. The Art Department in Madison encourages and cultivates a unique sense of creativity in each and every student. Offering a wide variety of curricular pathways and experiences, each student can access their desired materials and methods while also developing a breadth of creative and technical skills from the traditional to the digital and commercial. We seek to create confident and curious minds prepared to craft the future of their dreams with passionate, fearless originality.



Art Department Update

Delivery Method / Values

Our growth-based approach ensures that each student is met at their skill level and receives personalized and specific feedback to help them develop as artists. We encourage risk taking in a safe environment. Students are exposed to a wide range of artistic methods and materials so that every student can personalize their success in the arts.

With an emphasis on process, investigation, and reflection along with the elements and principles of design, we seek to endow every student with the tools to pursue, apply, and appreciate excellence in the visual arts as an integral part of their personal and professional journey. The creative thinking developed in the arts: holistic problem solving, empathy, pattern reading, and visualization of complex ideas, coupled with those formed in core educational curriculum, is what will prepare our students to meet the emerging challenges of the future.



Art Department Update

Printmaking Curriculum

UNIT 1

- Peace-building and social advocacy
- Respectful Dialogue
- Contemporary Artists and World Heritage

UNIT 2

- Collagraph Prints

UNIT 3

- Thematic series combining printing techniques
- Experimental series



Art Department Update

New Humanities Course Designation

Animation I

AP Studio Art Drawing

Short Films

Printmaking



Art Department Update

Painting Studio - Prerequisite Change

Successful completion of Drawing.



CTE Department Update

Revised Course Name & Revised Course Description

Computer Integrated Manufacturing → Computer Aided
Manufacturing



CTE Department Update

Partnership with Goodwin University

Students can earn credit for Technical Drawing & Specifications (Course #: BMM 222)

Revised Course Name & Revised Course Description

Computer Aided Drafting & Design → Technical Drawing & Specifications (#541)



CTE Department Update

Entrepreneurship - Remove Prerequisite

Successful completion of Introduction to Business



CTE Department Update

Revised Course Name

Introduction to T.V. Studio → Introduction to T.V.
Production



CTE Department Update

Revised Course Descriptions

Personal Finance

Robotics Engineering



English Department Update

New Course Name & Revised Course Description

Combat Literature → Attitudes Toward War



Mathematics Department Update

Removal of Course Offerings

Accounting

Computer Science Application Development



Music Department Update

Removal of Course Offerings

Music Theory 1 & 2

Piano 1 & 2



Music Department Update

NEW! Course Offerings with STEM Designation

Intro to Music Technology

Piano and Digital Audio



Music Department Update

NEW! Course Offerings with Humanities Designation

Music Theory and Composition

AP Music Theory



Music Department Update

Revised Course Names

Chamber Orchestra → Chamber Ensemble

String Orchestra → String Ensemble

Sinfonietta → Orchestra

Show Choir Band → Show Band



Music Department Update

Revised Course Descriptions

All Courses



P.E. and Health & Wellness Department Update

Removal of Course Offerings

P.E. & Health 9

Junior/Senior Health

Self Defense



P.E. and Health & Wellness Department Update

NEW! Course Offerings

Personal Fitness

Recreational Games

Health I

Health II



P.E. and Health & Wellness Department Update

2023 - 2024 Course Offerings

Grade	P.E. Course Options	Health & Wellness Course Options
9	Recreational Games Personal Fitness	Health I
10	P.E. and Health 10	
11	PE 11	Health II
12	n/a	



P.E. and Health & Wellness Department Update

Revised Course Descriptions

All Courses



Science Department Update

Biotechnology - Prerequisite Change

B- in Honors Biology or A- in Biology and successful completion of, or concurrent enrollment in, a course in Chemistry.



Science Department Update

Removal of Course Offerings

Science Extension Course A

Science Extension Course B



World Language Department Update

New UConn/ECE Designation

Spanish Conversation & Cinema

AP Latin 4

AP French 5



World Language Department Update

NEW! Course Offering

Deaf Culture/American Sign Language I



THANK YOU!

*The following slides contain the new
Course Description details.*



NEW! AP Music Theory

AP Music Theory is a rigorous study of music theory for students interested in pursuing music beyond high school. The focus will be on skills required to be successful as a first year music student at a college, university or conservatory. The course is designed to prepare students for the AP music theory test in the spring.

Students considering this class should have a strong background in music, including the ability to read both bass and treble clefs fluently.

Course content will include harmony and harmonic analysis, melodic and rhythmic structure, part-writing, formal analysis, score reading, and a music history overview. Personal musical skills will be developed daily through ear-training, dictation and sight-singing. Although keyboard skills are not required, they are beneficial and will be developed during the term of the class.

Attitudes Toward War

War has been one of the most prevalent topics in literature throughout time. This course will look at modern war from World War I & II and Vietnam to the War on Terror. Students will study the transition or change in sentiment towards war and how the literature both shapes and reflects this change. Students will have a unique opportunity to study literature (Vonnegut, Wiesel, Guterson, Zusak, Hillenbrand, Spiegelman, and O'Brien, etc.) and film (Saving Private Ryan, Forrest Gump, The Hurt Locker) to trace the various sentiments of different subcultures. Students should expect daily reading assignments, journal writing, and thought provoking, rigorous assessments.

Chamber Ensemble

Have you been looking for an opportunity to perform college and professional ensemble repertoire? Look no further! Chamber is THE advanced string ensemble, performing original works by the greats like Mozart, Beethoven, Dvořák, as well as more modern music, utilizing different instrument techniques. Students will also learn chamber ensemble techniques.

Chorus

Are you the star of karaoke? Do you hang out and sing along with your friends? This exploratory course provides foundational skills in sight-reading, independent part-singing, group singing, and proper vocal technique to be able to amp up your singing in any setting. A variety of music literature will be studied and performed, with the emphasis on each student's individual improvement and active participation in rehearsals and performances. In addition to performances at school and in the community, students have the opportunity to audition for regional and state music festivals, and go on a major trip out of state.

Computer Aided Manufacturing

The design and manufacture of everyday items are ubiquitous in modern life, yet most students have not had the opportunity to experience the innovative nature of modern computer aided manufacturing. This course is an introduction to how the use of computer technology is used within the manufacturing industry. The focus will be on engineering design, modeling and applications in automation, robotics, and numerical control. Using Computer Aided Design as a basis, students will be introduced to state-of-the art rapid prototyping machines such as 3D Printers, CNC Mills, automation robots and 3D scanners to produce prototypes in solving manufacturing challenges.

Concert Band

Concert Band is an immersive experience that creates a community of musicians through a rigorous program and performance schedule. A variety of exciting and challenging marching and concert band literature will be studied and performed, with an emphasis on each student's individual improvement and active participation in rehearsals and performances. In addition to performances at school and in the community, students have the opportunity to audition for regional and state music festivals, and go on a major trip out of state.

Concert Choir

Have you ever been awestruck by someone who can harmonize on the spot? Concert Choir focuses on advanced music technical skills that anyone can learn and apply to informal sing-alongs and formal performances. A variety of challenging and advanced music spanning many genres will be studied and performed, with the emphasis on each student's individual improvement and active participation in rehearsals and performances. In addition to performances at school and in the community, students have the opportunity to audition for regional and state music festivals, and go on a major trip out of state.

NEW! Deaf Culture/American Sign Language I

American Sign Language (ASL), a highly visual language, is the third most studied language in America. This course is designed to introduce students to Deaf Culture, including the history of the language and various aspects of the Deaf community. In addition to Deaf Culture, students will learn the basics of ASL, including receptive and expressive communication using fingerspelling, vocabulary, numbers, words, facial expressions, gestures, sentence usage, conversational behaviors, and novice -level communication with other signers. Students will participate in an interactive classroom where voicing (speaking aloud) is limited to ensure ASL immersion. Class participation and willingness to sign in the classroom are essential for the development of beginners' signing proficiency. Classroom activities will involve presentations (in class or on video), games, media, and novels relating to high-frequency topics such as introducing oneself, exchanging personal information, talking about where you live, talking about family, and talking about everyday activities.

Flag Squad

Have you ever wanted to perform in front of a crowd of people at a Friday night football game but you aren't a musician? Then the Tiger Flag Squad is for you! The flag squad is selected through tryouts during the spring of the previous year. Students do not need prior experience and will be taught a routine by our current flag squad members for the tryout.

Students attend a mandatory one-week band camp at the high school in August to prepare for marching season. Mandatory performances at home football games and parades with the Tiger Marching Band are the main activities of this group. In addition, the flag squad will have the opportunity to travel out of state with the band when they go on their biennial trip.

NEW! Health I

Health I will support students in developing skills to make healthy choices thereby reducing risk behaviors. Students will engage in activities predicated on decision making, analyzing influences, advocacy, communication, and self-management capabilities as they explore topics such as stress management, sexual health, healthy relationships, nutrition, alcohol, nicotine, and other drugs.

Community-based resources, such as Madison Youth and Family Services, will support and aid in delivery of select lessons. Students will become CPR/AED certified during this course.

NEW! Health II

Health II will build upon prior health instruction by having students apply their prior knowledge through student-centered, project-based learning that provides student choice and self-direction. Students will learn and practice strategies for decision making, advocacy, accessing information, and analyzing influences. Topics explored include sexual health, disease prevention, mental health, and addiction, along with self and situational awareness in order to lead a healthy, balanced, and mindful life. Community-based resources, such as Madison Youth and Family Services, will support and aid in delivery of select lessons.

NEW! Intro to Music Technology

Do you love music? Are you interested in learning more about or possibly pursuing a career in the music industry? All styles of contemporary, popular music need someone to compose music and beats, record and edit performances, run live sound systems, and so many other creative facets that make the multibillion-dollar music industry what it is today. This course will allow students to design and create their own compositions using the DAW software, GarageBand and Logic in our state of the art Mac lab. This hands-on course is for beginning through advanced musicians and no previous experience with music or technology is required.

Jazz Band

Do you want to take your musicianship and performance skills to the next level? Play multiple gigs throughout the school year both locally and out of state? Jazz Band is an advanced level ensemble, performing music from a multitude of genres from the past 100 years. Students will learn how to create improvisations based on a deepening understanding of musical composition and increased comfort in taking musical risks in front of live audiences.

Jazz Band consists of the following instrumentation: saxophone, trumpet, trombone, drum set, piano, guitar, bass/bass guitar. Enrollment is determined by audition, which will be held during the spring of the previous year. At least three mandatory major concerts will be performed yearly. The ensemble will also have opportunities to perform at outside functions throughout the year, including local schools, events, and a biennial trip to NYC.

Music Theory and Composition

Music provides a way for students to express themselves artistically, but music also enhances intelligence and creativity. Music Theory 1 is designed to develop students' visual and aural understanding of the structure of music. Students will study the language and symbols of music. Not only will students learn to read various musical elements, such as scales, chords, pitch notations, and time signatures, they will also learn to construct these elements themselves. The course also teaches students to understand basic forms in music compositions, including the skill of notation. As students learn these various aspects of music theory, they will undergo ear training to teach them to recognize these elements aurally as well.

Orchestra

This advanced level of orchestra capitalizes on students' musical skills to play new and recognizable music with their peers, while also providing leadership opportunities within the string community. A variety of music literature will be studied and performed, with the emphasis on each student's individual improvement and active participation in rehearsals and performances. In addition to performances at school and in the community, students have the opportunity to audition for regional and state music festivals, and go on a major trip out of state.

P.E. and Health 10

Students will explore a variety of activities that include personal, cooperative, and team games such as pickleball, badminton, hiking, yoga, and swing dance. During health instruction, students will engage in lessons focused on skills for decision-making, advocacy, communication, and self-management. Health topics will be taught as a component of the Physical Education curriculum. Students will become CPR/AED certified in this course.

P.E. 11

In this course, students will engage in several leisure and recreation activities that will enable them to lead a physically active lifestyle beyond high school. Students will be empowered to develop positive behaviors that support lifelong physical fitness and activity. As part of this course, students will learn self defense skills and strategies while learning about personal and situational awareness, boundary setting, and assertive communication.

NEW! Personal Finance

This course will prepare students to take an active role in their future finances. Students will learn to become financially responsible and learn that financial success is not about how much money you make, but about how much money you can save. Units of study will include financial planning, budgeting, paying taxes, understanding banking, managing credit, investing for retirement, and investing in the stock market. Students will also become familiar with stock market concepts and terminology by participating in an online stock simulation competition.

NEW! Personal Fitness

This course is designed to enhance the likelihood of engaging in lifelong physical activity through exposure to the health and skill related components of fitness such as cardiorespiratory endurance, power, flexibility, muscular strength and balance. Emphasis will be placed on developing an appreciation for and deeper understanding of the goal setting process as it applies to lifelong fitness. Students will spend time engaging in exercises using body weight, free weights and machines as well as improving metrics of individual physical fitness.

State fitness testing will take place during this course.

NEW! Piano and Digital Audio

Want to learn how to play piano and create your own music at the same time while using state of the art technology? This class will take you there, and no prior experience is necessary! This course's approach to piano provides an introduction to the keyboard designed to promote music reading, performance skills, and self-expression. In addition, students will explore music composition techniques and music theory through a digital platform. Students will work on composing music projects in a variety of styles and learn more about mixing, sound design, and audio engineering and recording. This hands-on course is for beginning through advanced musicians.

NEW! Recreational Games

The goal of this course is to promote physical activity that can be enjoyed across a lifetime. Students will participate in a variety of group and individual recreational activities to develop an appreciation for an active lifestyle. Learning experiences will provide opportunities for social interaction enabling students to develop collective intelligence and sportsmanship. Students can take healthy risks to step out of their comfort zone to promote social and emotional growth. State fitness testing will take place during this course.

Robotics Engineering

Students will be introduced to the fundamentals of building and programming a robot. Implementing the Engineering Design Process throughout the course, students will work respectfully and responsibly with others in exchanging and evaluating ideas in building and programming a robot to perform a variety of tasks. Students will also be expected to document and analyze their performance throughout the process in evaluating progress of their robot as it performs in a variety of challenges.

Show Band

It's time to turn the amp up to 11!! This rocking ensemble is the backbone of the Show Choir. The Show Band provides opportunities for students to perform music at a professional level. Every year is organized around new musical productions to push the repertoire and skillsets of the students to make them more versatile musicians.

Enrollment is determined by audition, which will be held during the spring of the previous year. Show Band will participate in mandatory performances outside of the school day at various festivals outside of Connecticut.

Show Choir

Ever wanted to sing and dance on a national stage? This highly-selective, audition only opportunity may help prepare you for your aspirations. The Show Choir provides opportunities for students to combine singing and dancing in a large group setting at a professional level. Every year is organized around new musical productions to push the repertoire and skillsets of the students to make them more versatile musicians.

Enrollment is determined by audition, which will be held during the spring of the previous year. Show Choir will participate in mandatory performances outside of the school day at various festivals outside of Connecticut.

String Ensemble

Rosin up your bows and get ready to fine tune your skills as you perform music with a community of string players! A variety of music literature will be studied and performed, with the emphasis on each student's individual improvement and active participation in rehearsals and performances. In addition to performances at school and in the community, students have the opportunity to audition for regional and state music festivals, and go on a major trip out of state.

Symphonic Band

Symphonic Band kicks up the intensity, leadership, and independence by performing more advanced literature to a wider variety of venues and audiences. More advanced and challenging marching and concert band literature will be studied and performed, with an emphasis on each student's individual improvement and active participation in rehearsals and performances. In addition to performances at school and in the community, students have the opportunity to audition for regional and state music festivals, and go on a major trip out of state.

Technical Drawing & Specifications

This course introduces the basic principles of engineering drawings. It addresses line types, orthographic projection, and isometric views that are used in industry standards. The six basic views of parts are designed to acquaint the student with a pictorial vision of a 3D part in a flat pattern view. Areas of study include: line types, orthographic projection, isometric views, fundamental tools of title block information, drawing standards, general and special notes such as quality assurance data, non-destructive testing, symbology, geometric dimensioning and tolerancing parameters, blueprint drawing abbreviations, linear units of measurement, rules of dimensioning, inclined surfaces, measurement of angles, holes and bolt hole patterns, drawings to scale, blueprint revisions, notes, 3d modeling, additive prototyping and 3d printing. Upon completion, students should be able to interpret basic prints and visualize the features of a part or system. Through hands-on exercises, students will apply these skills and processes associated with engineering drawings, 3d modeling and 3D printing to communicate design intent.

Waes Haeil Madrigals

“Classical music is boring” - No chorus kid ever

This highly selective vocal ensemble will rehearse and perform advanced classical literature from the 16th century to the present. The class will challenge students and expose them to a wide variety of both new and familiar music.

Enrollment is determined by audition, which will take place a month before trimester 3. There is a mandatory spring performance.