

Curriculum & Student Development Committee Meeting

Tuesday, November 12, 2024 5:30 PM

Town Campus Hammonasset Room/Zoom, 10 Campus Drive , Madison, CT 06443

I. **DHHS Program of Studies Presentation**

II. **Public Comment**

III. **The Town of Madison does not discriminate on the basis of disability, and the meeting facilities are ADA accessible. Individuals who need assistance are invited to make their needs known by contacting the Town ADA/Human Resources Director, Debra Ferrante, at 203-245-6310 or by email at ferranted@madisonct.org at least five (5) business days prior to the meeting.**

Daniel Hand High School

2025 - 2026 Program of Studies

Overview of Changes

- ❖ Levels of Instruction Update

- ❖ Department Specific Updates
 - Art Department
 - CTE Department
 - Mathematics Department
 - Science Department
 - Social Studies Department
 - Theater Department



Levels of Instruction Update

*No change to the Level 1 description.
Update Level 2 description to be more inclusive.
Remove Level 3 description.*

LEVEL 1

Level 1 is the highest level of instruction for college placement and/or college credit as well as for the workplace. It includes Advanced Placement*, Early College Experience*, and Honors courses.

*Advanced Placement classes and ECE classes (UConn courses) are college level courses. Course content is prescribed by the current College Board's Advanced Placement syllabus and/or the University of Connecticut. The College Board Advanced Placement Examination is recommended for students taking AP Level courses.

LEVEL 2

Level 2 instruction is designed for students entering a four or two year college or university, technical programs, or the workplace.

Art Department Update

Removal of Course Offerings

Advanced 3D Studio



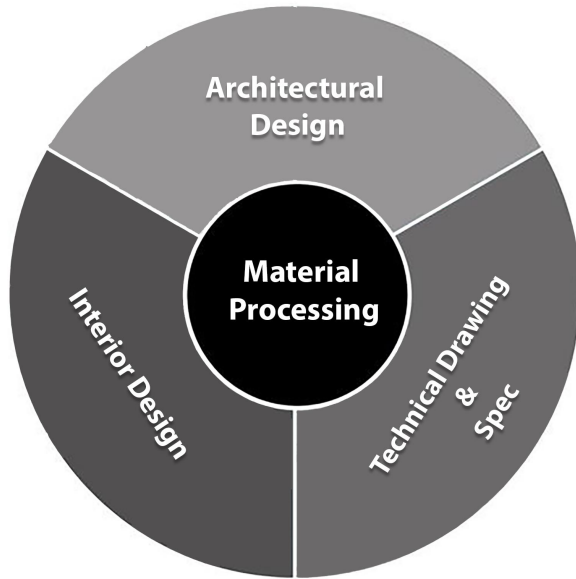
CTE Department Update

Updated Pathway Image



CTE Department Update

NEW! Design/Pre-Construction Career Pathway



Materials Processing

Architectural Design

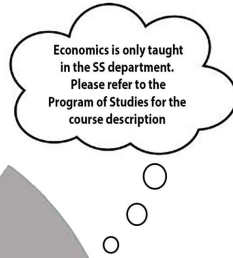
Technical Drawing & Specifications

Interior Design



CTE Department Update

NEW! Insurance, Securities & Investments Career Pathway



Personal Finance

Accounting

Investment Analysis

Business Law

Introduction to Business

Economics*



CTE Department Update

Change of Pathway Name

Engineering and Technology → Engineering, Design and
Development



CTE Department Update

Change of Course Names

Introduction to TV Production → Introduction to Video Production

TV Production → Video Production



CTE Department Update

Removal of Course Offerings

Creative Cooking

Chefs at Hand



CTE Department Update

NEW! Course Offerings

Sports & Performance Nutrition

Investment Analysis



Mathematics Department Update

Removal of Course Offerings

Geometry (Level 3)



Mathematics Department Update

Geometry - Prerequisite Change

Prerequisite: 8th grade Algebra I with a minimum of B- or
successful completion of high school Algebra 1



Mathematics Department Update

Geometry Honors - Prerequisite Change

Prerequisite: **8th grade Algebra I** or high school Algebra I with a final grade of A and a teacher recommendation.



Mathematics Department Update

Pre-Calculus Honors - Prerequisite Change

Prerequisite: Pre-Calculus Honors with a minimum grade of B- or Pre-Calculus with a minimum grade of ~~A~~ **B+**.



Mathematics Department Update

Course Name Change

Intro to Calculus → Calculus



Science Department Update

General Prerequisite Changes

Remove “Level 2 / Level 3” language from science classes that have math classes as a prerequisite



Science Department Update

AP Physics C - Prerequisite Changes

This course has prerequisite requirements in both science and math as detailed below.

Science: B- in Chemistry Honors, or A- in Chemistry, or C+ in AP Chemistry, AND

Math: ~~B- in Algebra II Honors, or A- in Algebra II, AND~~ C+ in Precalculus Honors, or B+ in Precalculus AND successful completion of, or concurrent enrollment in AP Calculus (BC) or AP Calculus (AB).

Note: Although not required, successful completion of Physics Honors is highly recommended.



Social Studies Department Update

Civics - Level Change

Level 2 → unleveld retroactive for all DHHS students



Social Studies Department Update

AP Macroeconomics - Prerequisite Change

A level 1 social studies course with a minimum grade of B- or a level 2 social studies course with a minimum grade of A- and ~~a genuine interest in the subject~~ **comfort applying Algebra to novel problems and economic models.**



Theater Department Update

Removal of Course Offerings

Acting/Directing I

Advanced Acting/Directing II

Theater and History



Theater Department Update

NEW! Course Offering

Production, Design, and the Modern Adaptation



THANK YOU!

*The following slides contain any new or revised
Course Descriptions.*



Calculus

Calculus is designed to provide a thorough review of elementary functions and to introduce students to the theories of differentiation and integration. Topics include limits, derivatives and integrals of algebraic and transcendental functions, and applications of differentiation and integration.

Chemistry for Health Science

This course presents chemistry topics that are related to human health, such as aqueous solutions, organic chemistry, and biochemistry. Case studies allow students to apply concepts to real-world situations. Students will perform many laboratory experiments and complete project-based assessments to demonstrate their understanding. This course is intended for students interested in considering careers in the medical field.

Dramatic Workshop

Students will learn and demonstrate their understanding of the primary principles/techniques of theater, including students will be introduced to the basics of ensemble work, the stage, and improvisation. Students will study the history of the theater to improve and inform their practices. The class will require the students to perform both independently and as an ensemble. In addition, students will become familiar with the fundamentals of directing, staging, blocking, set design, and lighting. The students will understand how to approach a character, a scene, and how to work within an ensemble effectively.

Earth Science

This course is designed to support students in developing essential skills for navigating the world, including those in mathematics and reading for information, as well as critical thinking and problem-solving abilities. Through engaging learning experiences, students will develop the inquiry skills necessary to succeed in future science courses.

The subject of Earth Science centers on studying Earth's place in the universe and the fundamental systems that shape our planet. By applying mathematical and reading skills in scientific inquiry, students will gain a deeper understanding of concepts in areas like astronomy, planetary science, and geology. To reinforce learning and understanding, students will participate in lab experiments, performance-based assessments, scientific modeling, and exploration of scientific phenomena. To effectively explore the concepts taught in astronomy, planetary science, and geology, students should be proficient in fundamental mathematics.

NEW! Investment Analysis

This course will focus on the analysis and evaluation of financial investments. Students will have the opportunity to explore stocks, bonds, mutual funds, and other speculative investments. Students will learn how to use different analytical tools in order to evaluate the performance and risk of potential investments. Students will dive into how different forces such as market behavior, economic performance, financial metrics, and psychological factors play a role in investment performance. Students will learn how to build an investment portfolio weighing the risk and return of investments in order to maximize long-term wealth and financial independence. Understanding the major concepts in this course will enable students to make wise investment decisions that will affect their financial future.

NEW! Production, Design, and the Modern Adaptation

Students will learn and demonstrate their understanding of the intricate parts of stage production. Students will be introduced to the basic elements of the theater and its various types. Through the exploration of different roles within a stage production, students will bring their learning to life by producing and performing a short, modern adaptation of a classic story or play.

NEW! Sports & Performance Nutrition

Proper nutrition is key to optimizing your long-term health and athletic performance.

This hands-on class will provide students with the skills and knowledge to prepare, cook, and eat well for life. Students will learn to make proper nutritional choices based on desired outcomes such as: nutrition for endurance and athletic performance, body composition, mental well-being, general health, and how food helps aid in recovery from training.