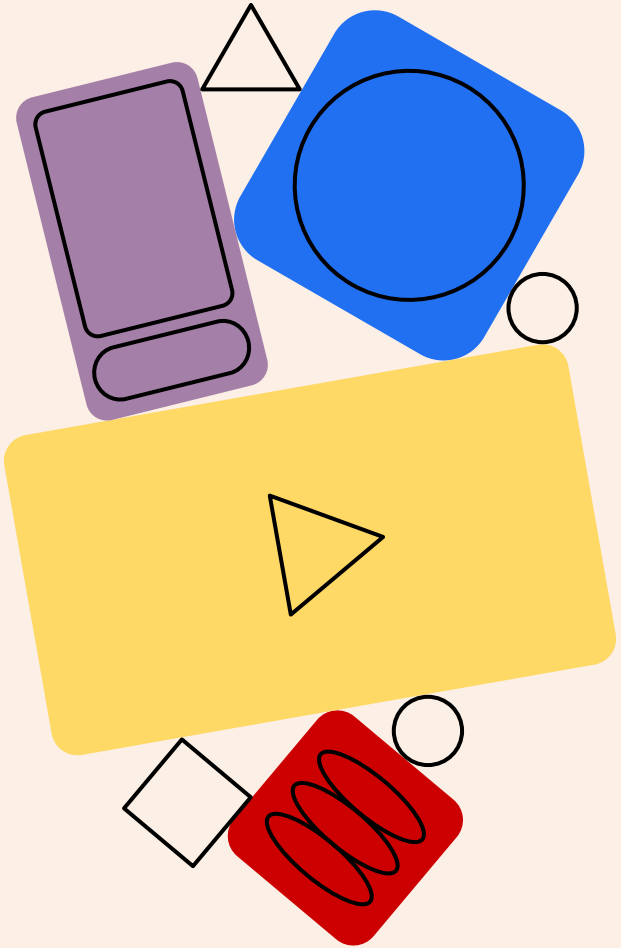
Welcome!

Back to School Night



October 6, 2026

MCTS Sypek Center

Principal's Welcome!

Sypek: https://youtu.be/f9zEyPpayfw



Health & Physical Education

Mr. Schriber
lschriber@mcts.edu





Health Education at Sypek

*Driver Education (10th grade)

Across grades 9, 11 & 12:

*Alcohol, Tobacco, Drugs & Vaping

*First Aid and Emergencies

*Healthy Relationships

*Nutrition/Fitness

*Communicable and Non-communicable Diseases

*Decision-making

Physical Education at Sypek

Examples of activities covered:

*Pickleball & Ping Pong

*Volleyball & Badminton

*Soccer

*Flag Football

*Lacrosse

*Team Handball

*Basketball

*Kickball & Wiffleball

*Frisbee Golf & Ultimate Frisbee

*Cornhole, floorball

MATH

MS. WARSHAUER

JWARSHAUER@MCTS.EDU

slidesmania.com

GEOMETRY

Points, Lines, Planes

Transformations

Triangles

Proofs

Trigonometry

AP PRECALC

AP Test May 11th at 8 AM

Polynomials and Rational Functions

Exponential and Logarithmic Functions

Trigonometry and Polar Functions

Building Confidence in Math

slidesmania.com

English I + Visual Performing Arts

Ms. Hernandez and Mrs. Kupec

yhernandez@mcts.edu/jkupec@mcts.edu

ENGLISH I

Read • Think • Discuss • Write

Literary & informational text analysis

Evidence-based writing and research

Discussion, collaboration & critical thinking

COURSE HIGHLIGHTS

- Short Stories
- Edgar Allan Poe
- Research
- Romeo & Juliet
- Narrative Writing

VISUAL PERFORMING ARTS

Explore • Analyze • Create • Connect

Visual art, film, photography & performance

Film history and visual analysis

Research & collaborative project-based learning

COURSE HIGHLIGHTS

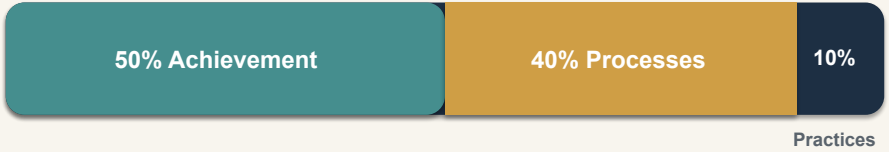
- Hero's Journey
- Film History
- Film Techniques
- Photography
- Careers in Art

Google Classroom: course materials & assignments • PowerSchool: official grades

NEED TO KNOW

The essentials for helping students stay informed and successful.

GRADING



STAYING ON TRACK

Google Classroom = assignments/materials/feedback
PowerSchool = official grades

ASSIGNMENTS

- Check Google Classroom regularly
- Complete work by the posted due date
- Communicate when work is missing or late

SUPPORT

- Ask questions and seek help early
- Scheduled advisory support is available
- Eligible assessments may be revised

SUCCESS

- Come prepared
- Participate and collaborate
- Stay current with assignments and grades

Complete policies and course details are available in the syllabus.

SOCIAL STUDIES

Welcome Families!

Instructor: Joe Washington

Contact: jwashington@mcts.edu

Washington – Social Studies Courses

World History
Grade 9
FULL YEAR COURSE

- Global Interactions and Colonialism
- Renaissance, Reformation, Scientific Revolution, and Enlightenment
- Age of Revolutions: Political and Industrial Revolutions, Imperialism, Reform and Global Impact
- Half-Century of Crisis and Achievement: The Era of the Great Wars
- The 20th Century Since 1945: Challenges for the Modern World
- Contemporary Issues

U.S. History II
Grade 11
FULL YEAR COURSE

- Industrialization, Labor & Workers, Immigration & Urbanization, Progressive Era Reform
- American Imperialism, WWI, the 1920's, the Great Depression, the New Deal, WWII
- The Cold War, Civil Rights, Social Change, Modern America, America & the World Today

Personal Finance
Grade 10/11
SEMESTER COURSE

- Personal Finance & Money Behavior, Budgeting, and Saving
- Credit & Debt, Consumer Awareness, Careers & Employment, and College Planning
- Banking, Insurance, and Income & Taxes
- Housing, Investing & Retirement, and Global Economics

Mr. Khayyat - Physics

Physics Topics

- Physics Fundamentals
- Describing Motion
- Kinematics
- Forces
- Universal Law of Gravitation
- Uniform Circular Motion
- Energy, Work, and Power
- Impulse and Momentum
- Electricity and Magnetism
- Waves and oscillations
- Optics

Teaching Philosophy

Answers are great, but they will never be more important than the explanation. We emphasize an importance of finding the path to reach the answer, so it can be modified and replicated in future problems and scenarios. A lot of work consists of building answers from the basic fundamental facts we start with. Students explore physics topics through activities, games, labs, classroom discussions, and typical, but sometimes, interesting worksheets.

Email **skhayyat@mcts.edu**



MRS. DANIELLE DIGRAVIO

STEM TEACHER

DDIGRAVIO@MCTS.EDU

IED

STEM 9TH GRADE

- LEARN THE ENGINEERING DESIGN PROCESS FROM SKETCH TO FINISHED PRODUCT
- 3D CAD MODELING, MEASUREMENT, AND TECHNICAL DOCUMENTATION
- HANDS-ON DESIGN CHALLENGES AND AN ENGINEERING NOTEBOOK

FUSION 360 INDUSTRY VALUED CREDENTIAL - SPRING 2027

DUAL ENROLLMENT WITH MCCC

Must earn a C or better in the course.

POE

STEM 10TH GRADE

- EXPLORE MECHANISMS, ENERGY, MATERIALS, AND CONTROL SYSTEMS
- APPLY MATH AND SCIENCE TO SOLVE REAL ENGINEERING PROBLEMS
- BUILD, TEST, AND ANALYZE PROJECTS, INCLUDING VEX ROBOTICS CHALLENGES

DUAL ENROLLMENT WITH TCNJ

Must earn a C or better in the course.

CEA

STEM 11TH GRADE

- DESIGN RESIDENTIAL AND COMMERCIAL STRUCTURES AND BUILDING SITES
- STUDY ARCHITECTURAL STYLES, STRUCTURAL DESIGN, AND SUSTAINABILITY
- WORK THROUGH THE FULL PROCESS FROM SITE PLAN TO PRESENTATION

OSHA CERTIFICATION - OCTOBER 2026

ALL COURSES REQUIRE END OF COURSE ASSESSMENT FOR RIT COLLEGE CREDIT OPPORTUNITY

MAY/JUNE 2027





Adam J. Kovitz

Engineering, AI, & Robotics Instructor

Industry Experience:
Aerospace
Electrical Utilities
Software Development
Digital Marketing

Education:
B.S. in Mechanical Engineering - Penn State
M.Ed in Education Administration - Lamar University

Contact
akovitz@mcts.edu

2026-27 School Year Classes

AIP1

AI Prefect 1

STEM AI 9th Grade

- Examines the 7 elements of the USAII Certified Prefect, including Python coding, deterministic & probabilistic algorithms, machine learning, etc.
- Curriculum developed in partnership with TCNJ
- Opportunity to earn the CAIP IVC.

ITR

Intro to Robotics w/ AI Applications

STEM AI 10th Grade

- Engineering-focused class with hands-on application of electro-mechanical systems, including sensors, Python coding, and AI-based integration
- Curriculum developed in partnership with TCNJ.

PAI

Principles of AI

STEM AI 10th Grade/ STEM Engineering 11th Grade

- PLTW-based, one semester course focusing on basic AI literacy
- Includes hands-on, project-based learning, AI training, and data analysis
- Includes PLTW's end-of-class National Assessment.

DE

Digital Electronics

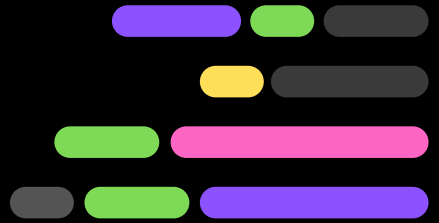
STEM Engineering 11th Grade

- PLTW-based, full-year course that bridges the gap between binary operations, modern coding, and today's electronics
- Activities include breadboarding, soldering, & CAD-based simulation
- Dual-enrollment w/ TCNJ.

Mr. Daron Pierre

{COMPUTER SCIENCE}

dpierre@mcts.edu





AP CSP

STEM 9

- Explore how computing impacts society, creativity, and everyday life
- Learn programming fundamentals, algorithms, data analysis, and the internet
- Complete the Create Performance Task, a project of your own design

DUAL ENROLLMENT WITH TCNJ

AP CSA

STEM 10

- Learn object-oriented programming in Java
- Develop skills in problem solving, data structures, and algorithm design
- Prepare for the AP exam by writing, testing, and debugging code

DUAL ENROLLMENT WITH MCCC

Testing Requirements

- Both Courses: PLTW End of Course Assessment June 2027
- AP CSP
  - Part One: Performance Task Portfolio - April 30th, 2027 11:59 pm
  - Part Two: AP Exam MC & FRQ - May 14th, 2027 8am
- AP CSA
  - AP Exam MC & FRQ - May 12th, 2027 12pm
  - Java IVC - May 2027