Morris County School of Technology

400 East Main St., Denville, NJ 07834
Tel: 973-627-4600 ~ Fax: 973-627-6979
Website: www.mcvts.org
CEEB Code: 310281

Administration
Scott Moffitt, Superintendent
Shari Castelli, Assistant Superintendent for Curriculum and Instruction
Lynne Jackson, Principal
Mark Menadier, Assistant Principal
Athena Borzeka, Director of Student Services & Special Education

School Counselors
Marisa Dillon   Kevin Elias
Jennifer Katz   Stephen Ward

History
Morris County School of Technology, part of the Morris County Vocational School District, was established in 1969. Since then, the school has evolved into a four-year, full-time comprehensive career and technical high school with ten Academies located in Denville and a satellite Academy in Rockaway.

Mission Statement
The mission of the Morris County Vocational School District is to provide vocational and enrichment programs that inspire and prepare students to succeed in today's world and pursue tomorrow's opportunities.

Accreditation
The Morris County Vocational School District holds dual national accreditation from the Middle States Commission on Secondary Schools and The Council on Occupational Education.

Facts at a Glance *(for Denville location)*

• Average class size   20
• Freshman Enrollment   197
• Sophomore Enrollment   178
• Junior Enrollment   184
• Senior Enrollment   155
•10 Full-Time Academy Programs

Class of 2016
• 145 graduates
• 98% attended a post-secondary institution
• Graduates attended more than 70 colleges & universities

Distinctions
• National Merit Finalists
• SkillsUSA Gold Medal Winners
• HOSA First Place Medal Winners
• Rutgers Distinguished Scholars
• NJ Governor School for the Sciences

County
Morris County is one of the ten wealthiest counties in the United States and has long been recognized as a prime setting for business and family. Morris County is located approximately 30 miles northwest of New York City, in the heart of northern New Jersey. Within 469 square miles of land area, the county contains 39 municipalities. The 13,000 acre county park system is noted statewide for its recreational facilities and preservation of Morris County's natural landscape. The County is well served by a network of major interstate, state, county, and municipal roadways as well as bus, train and airport service.

Community
Denville is appropriately named the "Hub of Morris County". Its 12 square miles are conveniently located near Routes 46, 80, 287, 10 and 53 providing easy access to the school by car and bus. The Denville train station is located two blocks from the school.

Full Time Academies
The Academies of Morris County are individual magnet high schools that offer students with similar interests and aptitudes a challenging and exciting curriculum. Students take a college-preparatory program that provides them with multiple options after graduation, including admission to colleges and universities or a career path to entry-level employment in some of the nations fastest growing industries.

Student Selection
Applicants for full time academies are selected from a diverse population of eighth grade students throughout Morris County during the fall of their eighth grade year.

Standardized test scores, attendance, grade point average, an entrance examination and teacher recommendations are considered.

Academies Located at the Morris County School of Technology
• Computer and Information Science (CIS)
• Design (DSN)
• Finance and International Business (FIB)
• Sports Medicine (SPT)
• Visual & Performing Arts (VPA) - Dance (DNC) or Multimedia (MM)
• Law & Public Safety (LPS) *(Grade 9-10)*
• Culinary Arts (CUL)
• Education and Learning (EDL)
• Health Care Sciences (HCS)
• Veterinary Science (VET)

Satellite Academies
• Law & Public Safety – *located at Butler High School (Grade 11-12)*
• Mathematics, Science and Engineering - *located at Morris Hills High School*
• Environmental Science - *located at Jefferson High School*

Scheduling
MCST works on a block schedule with alternating A & B days. This allows for a maximum of five academic classes, physical education & health, two to four electives and career technical training annually.

Option II
Eligible students may apply for Option II which permits the district Board of Education to determine curricular activities or programs aimed at achieving Core Curriculum Standards for promotion and gradation purposes. Option II serves as an alternative to traditional high school courses and involves in-depth experiences that may be provided by school district personnel or instructors not employed by the school district. Option II courses receive Pass/Fail (P/F) and are not calculated into the GPA.

Graduation Requirements

Students who desire an Academy Endorsed Diploma are required to obtain a minimum of 160 credits , including a 160 hour internship, and meet all graduation requirements in accordance with New Jersey Administrative Code 6A:8-5.1. Students will participate in the PARCC Assessments.

Required Courses:

- ☐ Four years of English (20 credits)
- ☐ Four years of Health/Physical Education (20 credits)
- ☐ Three years of Mathematics (15 credits)
- ☐ Three years of Science (15 credits)
- ☐ Three years of Social Studies (15 credits)
- ☐ Two years of a World Language (10 credits)
- ☐ One year of Visual or Performing Arts (5 credits)
- ☐ One semester of Financial Literacy (2.5 credits)
- ☐ Academy Program (40, 45, or 50 credits depending on concentration)
- ☐ Structured Learning Experience (SLE) (required internship in field of study)

Honors Courses

Honors Courses are available in specific courses: English, Social Studies, Mathematics and Science. These courses offer enrichment both in the scope of material presented and in depth exploration. All Honors & College courses are weighted and assigned one additional point.

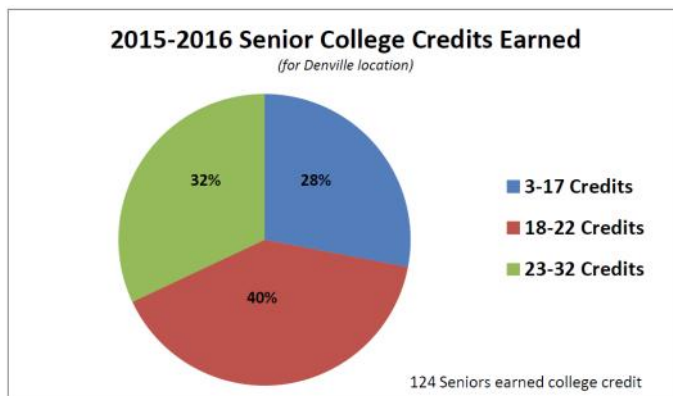### Advanced Placement Courses

MCST is proud to offer two Advanced Placement (AP) courses, in Calculus AB and Physics I, beginning with the 2014-2015 school year. AP courses are weighted and assigned one additional point. Additionally, students in our CIS Academy take AP Computer Science in Junior year.

Grade Point Average

A cumulative grade point average (GPA) is maintained on all students beginning with the freshman year based on final grades in each course. A student's transcript contains class rank as well as his/her grade point average (GPA). In calculating GPA, the converted quality points are multiplied by the number of credits assigned to the course. The resultant course quality points are totaled and divided by the total credits attempted by the student.

Grading System

Range		Weighted GPA (College, AP & Honors Courses)	General GPA (all other courses)
97-100	A+	5.3	4.3
94-96	A	5.0	4.0
90-93	A-	4.7	3.7
87-89	B+	4.3	3.3
84-86	B	4.0	3.0
80-83	B-	3.7	2.7
77-79	C+	3.3	2.3
74-76	C	3.0	2.0
70-73	C-	2.7	1.7
67-69	D+	1.3	1.3
64-66	D	1.0	1.0
60-63	D-	.7	.7
Below 60	F	0.0	0.0
Pass	P	n/a	n/a

2015-2016 Senior College Credits Earned
(for Denville location)

- 28% ■ 3-17 Credits
- 40% ■ 18-22 Credits
- 32% ■ 23-32 Credits

124 Seniors earned college credit

*The highest possible GPA will vary by Academy. Pass (P) is not factored into GPA.

SAT Scores for MCST *(for Denville location)*
(285 reported for Class of 2016)

MCST Average SAT (1600 scale):	1175
MCST Average SAT (2400 scale):	1764
NJ Average SAT 2015 (1600 scale):	1021
NJ Average SAT 2015 (2400 scale):	1520

ACT Scores for MCST *(for Denville location)*
(152 reported for Class of 2016)

MCST Average ACT Composite:	26
NJ Average ACT Composite 2015:	23

SAT Subject Test Scores*
(Class of 2016 for Denville location)

Section	Mean	Students Tested
Biology-Ecology	584	5
Biology-Molecular	666	12
English Literature	683	4
Math Level I	644	16
Math Level II	641	8
Chemistry	677	7
Physics	624	5

*Reported scores for 5+ student testers

College & University Partners

The Morris County Vocational School District has partnerships with colleges and universities. Students enrolled in Morris County School of Technology may earn college credit for coursework through articulations established with higher education partners. Students earn college credits from participating partner colleges and universities by completing high school courses as part of their high school program. These credits may be applied towards a degree program at a partner college or university or transferred to the student's college or university of choice. Partner colleges include NJIT, Seton Hall, Rutgers and Rider.

Academy Program and Grade Twelve Initiative

Eligible students in Grade 12 may enroll in courses at the County College of Morris (CCM) to earn college credits. Morris County School of Technology funds up to 22 college credits as part of the Grade Twelve Initiative, allowing eligible students to earn college credits while completing their high school requirements. Graduation requirements at CCM include English Composition I & II, Lifetime Wellness, Physical Education, two courses related to the Academy Program, and two additional courses of choice. VPA and LPS Academy students may elect to take courses at Fairleigh Dickinson University or Ramapo College in addition to CCM.

College Acceptances

Students have been accepted to hundreds of colleges, universities, and two and four year technical institutions. Below is a sampling of schools which students have been accepted over the last three years:

Albany College of Pharmacy	Ithaca College	Stockton University
Amherst College	James Madison University	SUNY
American University	John Jay College (of Criminal Justice)	Syracuse University
Arcadia University	John Hopkins University	Temple University
Arizona State University	Johnson & Wales University	The American Musical & Dramatic Academy
Babson College	Kansas State University	The Citadel, Military College of S. Carolina
Bentley College	Kean University	The College of New Jersey
Binghamton University	Kutztown University of Pennsylvania	The Culinary Institute of America
Bloomsburg University of Pennsylvania	Lafayette College	The George Washington University
Boston College	Lehigh University	The Julliard School
Boston Conservatory	Loyola University Maryland	The New School– Eugene Lang College
Boston University	Marist College	The Ohio State University
Caldwell University	Maryland Institute College of Art	The University of Alabama
Case Western Reserve University	Marymount Manhattan College	The University of Arizona
Centenary College	Massachusetts College of Art and Design	The University of the Arts
Champlain College	McGill University	The University of North Carolina/Chapel Hill
Clemson University	Michigan State University	The University of Scranton
Coastal Carolina University	Misericordia University	Towson University
College of Saint Elizabeth	Monmouth University	University of Advancing Technology
College of the Holy Cross	Montclair State University	University of California, Los Angeles
College of William and Mary	Moravian College	University of Connecticut
Colorado State University	Mount Saint Mary College	University of Delaware
Columbia University	Muhlenberg College	University of Kentucky
Cornell University	New Jersey Institute of Technology	University of Maine
County College of Morris	New York University	University of Maryland, College Park
Dartmouth College	Northeastern University	University of Massachusetts, Boston
Drew University	Pace University, New York City	University of Michigan
Drexel University	Pennsylvania College of Technology	University of New Hampshire
Duke University	Pennsylvania State University, University Park	University of Pennsylvania
East Stroudsburg University	Philadelphia University	University of Pittsburgh
Emerson College	Princeton University	University of Rhode Island
Emory University	Purdue University	University of Richmond
Endicott College	Quinnipiac University	University of Rochester
Fairfield University	Ramapo College of New Jersey	University of the Sciences in Philadelphia
Fairleigh Dickinson University	Rensselaer Polytechnic Institute	University of Surrey, UK
Florida State University	Rice University	University of Vermont
Fordham University	Rider University	University of Virginia
Franklin and Marshall College	Rochester Institute of Technology	Vaughn College of Aeronautics & Technology
Gannon University	Roger Williams University	Villanova University
George Mason University	Rowan University	Virginia Polytechnic Institute
Georgia Institute of Technology	Rutgers University	Virginia Tech
Gettysburg College	Sacred Heart University	Washington and Jefferson College
Goucher College	Salisbury University	Wentworth Institute of Technology
Harvard University	Saint Joseph's University	Wesleyan University
High Point University	Saint Peter's University	William Paterson University of New Jersey
Hofstra University	Savannah College of Art and Design	Worcester Polytechnic Institute
Howard University	Seton Hall University	
Indiana State University	Stevens Institute of Technology	

Extracurricular Highlights

Morris County School of Technology students enjoy all the benefits of an athletic program and extra-curricular activities.

Co-curricular activities develop student initiative, provide meaningful opportunities for socialization, foster leadership skills and enable students to explore a wider range of individual interests.

Sports (Varsity/Junior Varsity)

FALL	WINTER	SPRING
Cross Country	Boys Basketball	Baseball
Boys Soccer	Girls Basketball	Softball
Girls Soccer	Bowling	Golf
Girls Volleyball		

Clubs and Activities

Art & Photography	Chorus	DECA	Drama/Thespian Society
Gay Straight Alliance (GSA)	HOSA - Future Health Educators	Jazz Band	Key Club
Multicultural	National Dance Honor Society	National Honor Society	National Technical Honor Society
Peer Leadership	Poetry	Red Cross	Robotics
Skills USA	Student Government	Tech Club	

Four Year Course Offerings

REQUIRED	SELECTION	
English (4 years)	• English I* • English II*	• English III* • English IV*°
Physical Education/Health (4 years)	• Physical Education 9, 10, 11, 12 • Health 9, 11, 12 • Driver's Ed 10	
Mathematics (3 years)	• Algebra I • Geometry* • Algebra II/Trigonometry* • Pre-Calculus*	• Calculus • AP Calculus AB◊ • Foundations of College Mathematics
Science (3 years)	• Biology* • Chemistry* • Physics* • AP Physics I◊	• Anatomy and Physiology I • Environmental Science° • Integrated Physical Science ~
Social Studies (3 years)	• World History * • US History I* • US History II*	• Economics*° • Global Studies
World Language (2 years)	• Chinese I, II, III • French I, II, III, IV • Spanish I, II, III, IV	
Visual or Performing Arts (1 year) Subject to Availability	• Advertising Art and Design • Art and Composition 1 • Art and Composition 2 • Computers in Art 1 • Computers in Art 2	• Drama • Fundamentals of Music • Laboratory Band I, II, III, IV • Music History • Public Speaking
Electives (2 per year) Subject to Availability	• Creative Writing • Financial Literacy • Flexibility and Strength Training • Human Behavior I • Human Behavior II • HSPA Mathematics, LAL and Writing • Intro to Programming & Problem Solving • Contemporary Issues in Society • Intro to Video Game Programming using C# • Advanced Video Game Programming	• Film Literacy • Intro to Java I • Journalism 1&2 • Medieval Histroy • SAT Prep Math, English • SRA Math, Language Arts • Yearbook 11 • Yearbook 12 • Civil Criminal Law

Academy Program Courses *Beginning with the 2016-2017 school year course titles are in transition*	
CIS:	Foundations of Computer Science, Computer Logic & Object Oriented Design, AP Computer Science/Networking Security, Independent Projects in Computer Science/ Unmanned Aerial Vehicle Technology
CUL:	Culinary 9, 10, Baking & Pastry and Advanced Culinary Skills, Capstone and Independent Career Exploration
DSN:	Digital Design 9, 10, Visual Communication and Media Arts, Structured Portfolio
EDL:	Child Related Careers 9, 10, Trends in Education, Professional Roles & Responsibilities of Educators, Child Psychology 1&2
FIB:	Finance 9, 10, 11, Independent Projects in Business and Marketing
HCS:	Dynamics of Health Care I, II H , Medical Terminology I, II H, Anatomy & Physiology I, II H, Medical Math H, Nutrition H, Medical Assisting and Assessment
LPS:	Law & Public Safety 9, 10
SPT:	Sports Medicine 9, 10,11
VET:	Veterinary Science 9, 10, 11, 12
VPA DNC:	Dance 9, 10, 11, 12 , Theater Arts 9, 10, Theater Production
VPA MM:	Multimedia 9, 10, Editing and Post Production, Independent Projects in Multimedia, Theater Arts 9, 10, Theater Production

Other	Independent Study Self Directed Learning (no credit) Option II Learning
Special Education Courses	Study Skills 9, 10, 11, 12
Structures Learning Experience (SLE)	160 hour required internship in field of study

* Honor courses available   ◊ Course new for 2014-2015 school year
° Course eligible for college credit   ~ Course not running 2015-2017 school years