WEST MORRIS CENTRAL HIGH SCHOOL
259 BARTLEY ROAD
CHESTER, NEW JERSEY 07853
CEEB CODE 310227
908-879-5212
908-879-2741 (Fax)
www.wmchs.org

PROFILE

Administration	Counselors
Superintendent of Schools: Dr. Barbara Sargent **Principal:** Mr. Timothy Rymer **Assistant Principals:** Mr. Chris Carroll & Mrs. Toni Liskiewicz **Director of School Counseling Services:** Mr. Matt Ferreri	Mr. Joe Cusack, jcusack@wmrhsd.org, x3445 Ms. Shanna Donnelly, sdonnelly@wmrhsd.org, x3450 Mrs. Elizabeth Grasso, egrasso@wmrhsd.org, x3455 Ms. Leah Hennessy, lhennessy@wmrhsd.org, x3461 Mrs. Kara Losik, klosik@wmrhsd.org, x3470 Mrs. Megan Shaffer, mshaffer@wmrhsd.org, x3415

West Morris Central High School, one of two high schools in the West Morris Regional High School District, was among the first public high schools in New Jersey to offer the *International Baccalaureate Diploma Programme*. Additionally, West Morris Regional is the only district in New Jersey offering the *International Baccalaureate Career Programme.*

Consistently ranked as one of the top high schools in New Jersey and the nation across a variety of media entities, West Morris Central High School has earned recognition on *The College Board's AP Honor Roll*, has been designated as a *Model World Language Program* by the New Jersey Department of Education, and the counseling department has a Recognized ASCA Model Program (RAMP).

SCHOOL/COMMUNITY

West Morris Central High School is a four-year comprehensive high school. **The Class of 2023 graduated 250 seniors. Current enrollment for 2023-2024 is 1,024 students.** The school is fully accredited by the New Jersey State Department of Education. The International Baccalaureate Organization has endorsed West Morris Central High as an IB World School featuring its signature Diploma Programme.

CURRICULUM

West Morris Central offers a four-year comprehensive program that includes a wide range of elective courses. Within our course offerings we strive to cultivate and assess the development of those attributes outlined by our vision of a graduate. These traits include being knowledgeable, principled, open-minded, caring, balanced and reflective while actively thinking, inquiring, communicating and taking risks. Critically evaluating information and its sources and utilizing relevant data to solve problems is a recurring exercise in our coursework.

DUAL ENROLLMENT

West Morris Central partners with Seton Hall University to provide Dual Enrollment opportunities for the following courses: Art 1 IB, Art 2 IB, Biology AP and IB-HL,Sports, Exercise and Health Science IB, Business and Management, Chemistry AP, Theatre 1, Economics IB/AV, Environmental Science AP, European History AP, US Government and Politics AP, Physics C AP, Physics 1 IB/AP, Physics 2 IB, Psychology IB, Research Methods in Psychology IB-HL.

INTERNATIONAL BACCALAUREATE (IB)

This internationally-monitored curriculum challenges our most ambitious learners. The IB Diploma, widely accepted as the finest secondary program available, is awarded upon completion of a rigorous program comprised of an extended essay investigation, demonstrated mastery on internationally evaluated written and oral examinations, and the execution of a creativity-action-service project.

The IB Career-Related Programme is a two year framework incorporating IB principles in a program tailored to career related study. The program includes two IB classes, career pathway coursework, and the following components of the IB core: the Personal & Professional Skills class, a Community & Service project, a Language Development Portfolio, and a Senior Reflective Project.

GRADUATION REQUIREMENTS

To earn a West Morris Regional High School District diploma, a student shall be required to:

- Satisfactorily complete 120 credits of course work
- Satisfactorily complete all required courses:
  English (20 credits), Social Studies (15 credits), Mathematics (15 credits), Science (15 credits), Physical Education/Health (All years), Visual & Performing Arts (5 credits), Career/Consumer/Family/Life Skills (5 credits), Financial/Economic Literacy (2.5 credits)
- Achieve baseline proficiency in any NJ state approved standardized test (NJSLA, ACT, SAT)

ACADEMIC ACHIEVEMENTS – CLASS OF 2023

POST-SECONDARY PLANS			
	2023	**2022**	**2021**
Class Size	247	307	284
Four Year College/University	81%	75%	76%
Two-Year College	13%	20%	17%

Class of 2023 SAT SCORES				
	Mean	75th %	# Tested	NJ Mean 2021
EBRW	**596**	**650**	**177**	538
MATH	**611**	**680**	**177**	532

Class of 2023 ACT SCORES				
	Mean	75th %	# Tested	NJ Mean 2021
Composite	27	30	80	24.5

2022-2023 AP Performance			
Year	# of Testers	# of Exams	% Total AP Students with Score 3+
2023	**206**	**360**	**79.44%**
2022	178	298	72.47%
2021	208	335	75.96%

IB Diploma Programme			
	2023	2022	2021
# of candidates	**26**	27	41
% earning diploma	**92%**	96%	89%

IB Career Related Programme			
	2023	2022	2021
# of candidates	**36**	42	43
% earning diploma	**100%**	100%	96%

ACADEMIC RECOGNITION

National Merit Commended……**10**
IB Diplomas……**24**
IBCP Recipients……**36**
AP Scholars……**57**
SAT Perfect Section Score (800)……**2**
ACT Perfect Section Score (36)……**21**

CLASS RANK

West Morris Central High School does not report class rank. Class rank can be computed for the purposes of scholarships or military academy nominations.

GRADING INFORMATION

Letter Grade	Numerical Range
A+	100.0-97.0
A	96.99-93.0
A-	92.99-90.0
B+	89.99-87.0
B	86.99-83.0
B-	82.99-80.0
C+	79.99-77.0
C	76.99-73.0
C-	72.99-70.0
D+	69.99-67.0
D	66.99-63.0
D-	62.99-60.0
F	59.99-50.0

AU = Audit
IC = Incomplete
P = Pass
WDP = Withdrawn Pass
WDF = Withdrawn Fail
ME = Medical Excuse

Course Level Codes:
IB = International Baccalaureate
AP = Advanced Placement
HN = Honors
ADV/AV = Advanced
AC/ACD = Academic
ST/STUD = Basic/Fundamental/Studies

The following course weight factors shall be assigned to the specific course levels:

IB/AP/Honors	2.1	Academic	1.5
Advanced	1.7	Studies	1.4

2023 AP Subject Results

	Students Tested	% Scoring 3 or Higher	Average Score
Biology	16	68%	2.7
Calculus BC	10	70%	3.4
Chemistry	37	75%	3.1
Chinese Language and Culture	4	75%	3.0
Comp Science Principles	10	100%	3.8
Eng. Language	52	84%	3.6
Eng. Literature	23	100%	3.8
Environmental Science	13	53%	2.8
French Language and Culture	1	100%	3.0
Physics 1	40	82%	3.2
Physics 2	9	88%	4.0
Physics C: E&M	9	100%	4.4
Physics C: Mech	9	100%	4.7
Spanish Language & Culture	2	100%	4.5
Statistics	11	90%	3.1
US Gov & Politics	13	53%	2.6
US History	64	60%	2.7
World History	37	94%	3.8

2023 International Baccalaureate Exam Results

	Candidates	Average Grade (School)	Average Grade (World-Wide)	Highest Grade	Lowest Grade
ENGLISH A: Literature HL	43	4.53	4.56	6	3
ENGLISH A: Literature SL	17	4.18	4.91	5	3
FRENCH AB SL	1	3.00	4.78	3	3
MANDARIN AB. SL	7	5.00	5.14	7	4
SPANISH AB SL	1	5.00	4.92	5	5
SPANISH B HL	15	5.07	5.31	6	4
SPANISH B SL	7	4.71	4.93	5	4
BUS MANAGE HL in ENGLISH	9	4.67	4.94	6	4
BUS MANAGE SL in ENGLISH	12	4.58	4.94	6	3
ECONOMICS SL in ENGLISH	8	5.00	4.75	7	3
ENV. AND SOC. SL in ENGLISH	6	4.50	4.22	6	3
HISTORY SL in ENGLISH	10	5.20	4.65	6	4
HISTORY EUROPE HL in ENGLISH	10	5.20	4.80	6	4
PSYCHOLOGY HL in ENGLISH	6	4.83	4.78	6	4
PSYCHOLOGY SL in ENGLISH	9	5.33	4.45	7	4
BIOLOGY HL in ENGLISH	5	4.20	4.39	5	3
BIOLOGY SL in ENGLISH	9	3.89	4.15	5	2
DESIGN TECH. SL in ENGLISH	1	3.00	3.97	3	3
PHYSICS HL in ENGLISH	9	4.89	4.80	6	3
PHYSICS SL in ENGLISH	1	4.00	4.21	4	4
SPORTS EX SCI SL in ENGLISH	3	3.67	3.92	5	3
MATH ANALYSIS & APPROACHES HL	7	5.14	4.87	7	3
MATH ANALYSIS & APPROACHES SL	6	3.67	4.61	5	3
MATH APPLICATIONS & INTERP HL	23	3.57	4.37	6	2
MATH APPLICATIONS & INTERP HL	8	3.63	3.87	5	3
MUSIC SL in ENGLISH	5	4.40	4.16	5	4
VISUAL ARTS HL in ENGLISH	1	4.00	4.39	4	4

COLLEGE SUMMARY 2021-2023

The following institutions *accepted* West Morris Central graduates:

Albright College
Allegheny College
Alvernia University
American University
Appalachian State University
Arcadia University
Arizona State University
Auburn University
Bard College
Barry University
Baylor University
Beloit College
Bennington College
Bentley University
Binghamton University
Bloomsburg University
Boston College
Boston University
Bowling Green State University
Brandeis University
Brown University
Bucknell University
Carnegie Mellon University
Case Western Reserve University
Catawba College
Catholic University of America
Central Connecticut State University
Citadel Military College of South Carolina
Champlain College
Claremont McKenna College
Clarion University
Clark University
Clarkson University
Clemson University
Coastal Carolina University
Colgate University
College of Charleston
College of the Holy Cross
College of William & Mary
Columbia University
Colorado State University
Cornell University
Davidson Valley University
DeSales University
Dickinson College
Drexel University
Duke University
Duquesne University
East Carolina University
East Stroudsburg University
Elon University
Embry-Riddle Aeronautical
Emerson College
Emory University
Fairfield University
Fairleigh Dickinson University - Florham Campus
Fairleigh Dickinson University - Metropolitan Campus
Florida Atlantic University
Florida Gulf Coast University
Florida State University
Fordham University
Franklin & Marshall College
Franklin Pierce University
Furman University
George Washington University
Georgetown University
Georgia Institute of Technology
Gettysburg College
Hamilton College
Harvard University
Hawaii Pacific University
High Point University
Hood College
Illinois Institute of Technology
Immaculata University
Indiana University - Bloomington
Iona College
Ithaca College
Keene State College
La Salle University
Lafayette College
Lawrence University
Lehigh University
Lesley University
Liberty University
Lycoming College
Lynn University
Marist College
Marshall University
Marymount University
Marywood University
McGill University
Mercy College
Mercyhurst University
Miami University, Oxford
Michigan State University
Misericordia University
Monmouth University
Montclair State University
Mount Saint Mary College
Mount St. Mary's University
Muhlenberg College
New Jersey City University
New York University
North Carolina State University
Northeastern University
Northwestern University
Norwich University
Ohio University
Ohio Wesleyan University
Pace University- New York City
Old Dominion University
Otterbein University
Pennsylvania State University
Pepperdine University
Point Park University
Princeton University
Providence College
Purdue University
Ramapo College of New Jersey
Reed College
Regis University
Rensselaer Polytechnic Institute
Rhodes College
Rice University
Rider University
Roanoke College
Rochester Institute of Technology
Roger Williams University
Rowan University
Rutgers University- New Brunswick
Rutgers University -Newark
Sacred Heart University
Saint Joseph's University
Salve Regina University
Seton Hall University
Shenandoah University
Skidmore College
Smith College
Southern Illinois University-Carbondale
Southern Methodist University
Southern New Hampshire University
St. Bonaventure University
St. John Fisher College
St. John's University-New York
St. Lawrence University
St. Mary's College of Maryland
Stevens Institute of Technology
Stevenson University
Stony Brook University
Suffolk University
SUNY at New Paltz
SUNY at Purchase College
SUNY Buffalo State College
SUNY College at Geneseo
SUNY Cortland
SUNY Maritime College
Susquehanna University
Syracuse University
Texas A&M University-Galveston
Texas Christian University
Texas Tech University
The College of New Jersey
The University of Alabama
The University of Arizona
The University of Montana
The University of Texas, Austin
The University of West Florida
Temple University
Towson University
Tufts University
Tulane University
United States Coast Guard Academy
United States Merchant Marine Academy
United States Military Academy
United States Naval Academy
University of California, Berkeley
University of California, Davis
University of California, Los Angeles
University of California, Santa Barbara
University of California, San Diego
University of Central Florida
University of Chicago
University of Colorado
University of Connecticut
University of Delaware
University of Florida
University of Kentucky
University of Lynchburg
University of Maryland, College Park
University of Massachusetts, Amherst
University of Massachusetts, Lowell
University of Miami
University of Michigan
University of Minnesota, Twin Cities
University of Mississippi
University of New England
University of New Hampshire
University of New Haven
University of North Carolina at Chapel Hill
University of North Carolina at Charlotte
University of Notre Dame
University of Pennsylvania
University of Pittsburgh
University of Rhode Island
University of Richmond
University of Rochester
University of San Diego
University of Scranton
University of South Florida
University of Southern California
University of South Carolina
University of Tampa
University of Utah
University of Vermont
University of Virginia
University of Wisconsin, Madison
Utah College
Utica College
Vanderbilt University
Vassar College
Villanova University
Virginia Commonwealth University
Virginia Military University
Virginia Tech
Wake Forest University
Washington University in St. Louis
Wellesley College
Wesleyan University
West Chester University
West Virginia University
Western Connecticut State University
Wheaton College
Widener University
Wilkes University
William & Mary
William Paterson University of New Jersey
Worcester Polytechnic Institute
York College of Pennsylvania

West Morris Regional High School District

Mathematics Course Offerings in Grades 11-12

As an IB World School, the Mathematics Department at West Morris Regional is committed to providing all students with an IB education that aims to develop learners who are inquiring, knowledgeable thinkers, principled, open-minded communicators, and balanced, caring, and reflective risk-takers. Embedded in our instruction is the development of essential skills for our ever-changing world: thinking, research, social, communication, and self-management.

In 11th and 12th grade, all students participate in a capstone mathematics experience by taking one of our IB Math course sequences. The sequences are designed to appeal to students with varying levels of ability and motivation while developing their mathematical fluency, their ability to think mathematically, to recognize mathematics around them, and to be able to use their mathematics in either abstract or contextual settings. All students will explore mathematical concepts in five areas of mathematical study: Number and Algebra, Functions, Geometry and Trigonometry, Statistics and Probability, and Calculus.

BC Calculus (AP/IB-HL) Calculus/Analysis 3 IB-HL Honors Credit	Students who complete this sequence have been double accelerated by one of our K-8 sending districts, meaning they completed both Algebra 1 and Geometry in middle school. Note that not all of our sending districts offer this option. In 12th grade, our Calculus/Analysis 3 class prepares students for the IB Maths: Analysis and Approaches internal and external assessments while engaging students in a survey of college-level math topics in geometry, linear algebra, probability, statistics, and calculus.
Calculus/Analysis 1 and 2 IB Higher Level Honors Credit	Students who complete this sequence complete rigorous course work which is equivalent to precalculus and two semesters of college calculus. Similar students at non-IB schools may have PreCalculus Honors and AP Calculus BC listed on their transcript.
Calc Applications 1 and 2 IB Higher Level Honors Credit	Students who complete this sequence complete rigorous course work which is equivalent to precalculus, one semester of college statistics, and one semester of college calculus. Similar students at non-IB schools may have PreCalculus Honors, AP Calculus AB, and AP Statistics on their transcripts.
Calculus/Analysis 1 and 2 IB Standard Level Advanced Credit	Students who complete this sequence complete coursework that is equivalent to precalculus and one semester of college calculus. Similar students at non-IB schools may have PreCalculus and AP Calculus AB on their transcripts.
Alg 2/PreCalc Applications 1 Foundations of Calc Applications 2 IB Standard Level Advanced Credit	Students who complete this sequence complete coursework that is equivalent to the second year of algebra, precalculus, and introductory differential and integral calculus. Similar students at non-IB schools may have Algebra 2/Trig and PreCalculus on their transcripts but have not engaged in an introduction to differential and integral calculus.
Alg 2/PreCalc Applications 1 and 2 Academic Credit	Students who complete this sequence complete coursework that is equivalent to the second year of algebra and introductory precalculus topics. Similar students in non-IB schools may have Algebra 2/Trig and College Algebra on their transcripts.