

**WEST MORRIS REGIONAL HIGH SCHOOL DISTRICT**  
**WEST MORRIS CENTRAL HIGH SCHOOL**  
**CHESTER, NEW JERSEY 07930**

**CEEB CODE: 310-227**  
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**PROFILE**

Superintendent of Schools: Michael Ben-David  
Principal: Steve Ryan  
Assistant Principals: Anne Meagher, Edward Braun  
Supervisor of College & Career Counseling: Matt Ferreri

Counselors: Joe Cusack, Lorraine Gleason  
Janice Higgins, Kara Losik,  
Megan Shaffer

**The West Morris Regional District consists of two high schools receiving students from five separate and independent municipalities within a 100 square mile area of western Morris County. Residential suburban growth and limited industrial expansion characterize this northwestern New Jersey area. The typical resident is middle to high income with a business/professional socio-economic orientation.**

**SCHOOL/COMMUNITY**

West Morris Central High School is a four-year comprehensive high school. The Class of 2015 graduated 327 seniors. Current enrollment for 2015-2016 is 1285 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 a World School featuring its signature Diploma Programme.

**GROUPINGS**

Homogeneous grouping is utilized within the five major disciplines. Levels are as follows: Advanced Placement and International Baccalaureate, Honors, Advanced, Academic and Studies

**CURRICULUM**

West Morris Central offers a four-year program in all college preparatory subjects and a wide range of regular and 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.

With our sister school, WMC has the highest number of International Baccalaureate program graduates in New Jersey. The International Baccalaureate Diploma 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. Advanced Placement courses are also offered in the core subject areas. The WMC Class of 2016 includes the school's first cohort of students who will

have met the requirements of our district's Career Academy Program. In the Career Academy, students follow a two-year curricular framework incorporating the vision and principles of IB 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 Approaches to Learning class, a Community and Service project, a Language Development Portfolio and a Senior Reflective Project. Laboratory experiences are integral to our science courses. A robust selection of STEM courses exists among our elective offerings. Our fine / performing arts students are regionally recognized.

Some WMC students attend vocational classes at the Morris County School of Technology and Hunterdon County Polytech while comprehensive programs and services are provided to students with disabilities according to their individual needs. Finally, all WMC students are accustomed to operating in digital learning environments facilitated by teachers across our curricula.

**GRADUATION REQUIREMENTS**

To earn a West Morris Central High School diploma, a student is required to:

1. Satisfactorily complete 120 credits of course work
2. Satisfactorily complete all required courses:
  - English – 20 credits
  - History – 15 credits (World History, US History I & II)
  - Mathematics – 15 credits
  - Modern Language – 10 credits
  - Science – 15 credits
  - Physical Education/Health - All years in school
  - Visual & Performing Arts – 5 credits
  - Career Education & Consumer, Family, & Life Skills – 5 credits *plus* 2.5 credits of Financial Literacy
3. Achieve baseline proficiency in any New Jersey state-approved standardized test (ACT, PARCC, SAT).

**ATHLETICS/ ACTIVITIES**

West Morris Central High School is a member of the Northwest Jersey Athletic Conference. The division is highly competitive, consisting of similar sized schools. Programs exist in the following sports:

- Baseball (M)
- Basketball (M, F)
- Cross Country (M, F)
- Fencing (M, F)
- Field Hockey (F)
- Football (M)
- Golf (Coed)
- Ice Hockey (M, F)
- Lacrosse (M, F)
- Soccer (M, F)
- Softball (F)
- Spring Track (M, F)
- Swimming (M, F)
- Tennis (M, F)
- Volleyball (F)
- Winter Track (Coed)
- Wrestling (M)

Complementing our academic and athletic programs is a full range of activities including clubs, performance groups, community service organizations, publications and productions. Nearly 90% of the students participate in extra and/or co-curricular activities.

**VISITATIONS**

College admissions personnel are encouraged to participate in one of three mini-college days planned each year at West Morris Central. College representatives may arrange individual visits with counselors/students by contacting Karin Buchanan at [kbuchanan@wmrhsd.org](mailto:kbuchanan@wmrhsd.org). We can also coordinate distance interviews and small group presentations via Skype or Google HangOut with our video conference hardware.

**GRADE POINT AVERAGE**

A weighted and unweighted GPA is calculated for all students.

Weighted: One course from each academic discipline and one course in the elective area would be used for the calculation of the weighted GPA. International Baccalaureate diploma candidates will also have their grades in the *Theory of Knowledge* course included in this calculation.

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

**Course Weight Factors (CWF)**

<u>AP/IB/Honors</u>	<u>Advanced</u>	<u>Academic</u>	<u>Studies</u>
2.1	1.7	1.5	1.4

Unweighted GPA: All graded courses would be used for the calculation of the unweighted GPA. Students shall be assigned an unweighted grade point average which will be calculated at the completion of each marking period. At the conclusion of the school year, a cumulative grade point average will be calculated based upon final course grades.

**Calculation of Weighted GPA:**

A student’s weighted grade point average (WGPA) is determined by multiplying the Grade Equivalent (GE) by the attempted Rank Credits (RC) multiplied by the Course Weight Factor (CWF) for each ranked course to determine the Rank Points (RP) for that course. The totals for each of the six ranked courses are added together (sum of all rank points) and then divided by the total number of attempted Rank Credits (RC). This number is then divided by an academic course weight factor (ACWF) of 1.5.

**The Weighted GPA formula for each ranked course is:**

$$GE \times RC \times CWF = RP$$

$$(\text{Sum all } RP \div \text{Sum } RC) \div ACWF = WGPA$$

**Calculation of Unweighted GPA:**

All courses in which a final letter grade is assigned shall be included in the calculation of unweighted grade point average. For the purpose of calculating unweighted GPA, final letter grades shall be converted to Grade Equivalent (GE) numbers.

**The Unweighted GPA formula is:**

$$\frac{\text{Sum } (GE \times CR)}{\text{Sum } CR}$$

<b><u>Transcript Key – Grading System</u></b>	
<b>Letter Grade</b>	<b>Numerical Range</b>
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	76.99-70.0
C-	72.99-70.0
D+	69.99-67.0
D	66.99-63.0
D-	62.99-60.0
F	59.99

  

<b>AU</b> =Audit	<b>P</b> =Pass
<b>ME</b> =Medical Excuse	<b>WDP</b> =Withdrawn Pass
<b>IC</b> =Incomplete	<b>WDF</b> =Withdrawn Fail

  

Course Level Codes:

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

# ACADEMIC ACHIEVEMENTS

## Post-Secondary Placements

	<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>
Four Year College/University	75%	85%	81%	79%
Two-Year College	19%	11%	15%	18%
Vocational Institutions	1%	2%	1%	0%
Employment	5%	1%	0%	1%
Travel, Undecided	0%	1%	1%	1%
Military Academy	0%	0%	1%	1%
Apprenticeship	0%	0%	1%	0%

## SAT I SCORES

		75 <sup>th</sup>	50 <sup>th</sup>	25 <sup>th</sup>
<b>WMC</b>	<b>Mean</b>	<b>%ile</b>	<b>%ile</b>	<b>%ile</b>
Reading	545	610	550	470
Math	573	650	580	560
Writing	552	630	560	470

		75 <sup>th</sup>	50 <sup>th</sup>	25 <sup>th</sup>
<b>NJ</b>	<b>Mean</b>	<b>%ile</b>	<b>%ile</b>	<b>%ile</b>
Reading	500	580	500	420
Math	521	610	520	490
Writing	499	580	490	420

## ACT SCORES

### Average Scores

	English	Math	Reading	Science	Composite
<b>WMC</b>	24.8	25.3	24.9	24.2	25.0
<b>NJ</b>	22.9	23.7	23.3	22.6	23.2

## SAT SUBJECT SCORES

	Mean	Students Tested
English Literature	666	7
US History	638	13
Mathematics Level I	698	25
Mathematics Level II	720	20
Biology-M	680	5
Chemistry	723	9
Physics	636	8
Spanish	673	9

## 2015 ADVANCED PLACEMENT EXAMINATIONS

<u>Total Exams</u>	<u>Number Scoring 3 or higher</u>	<u>Percent</u>
571	370	65%

### Scores of 3 or higher/total tested:

Biology	12/23
Chemistry	12/22
English Language	118/186
English Literature/Comp	26/35
Physics 1	32/78
Physics 2	7/10
Physics C Mechanics	5/5
Physics C Electricity & Mag.	4/5
Macroeconomics	17/22
Calculus AB	13/16
Calculus BC	12/16
Environmental Science	14/18
Psychology	10/13
US History	53/77
US Government/Pol	8/12
Spanish Language	6/10
Statistics	12/13
French Language and Culture	7/10

### 34 AP Scholars

### Participation History

	<u>Total Exams</u>	<u>Number Scoring 3 or higher</u>	<u>Percent</u>
<b>2014</b>	430	327	75%
<b>2013</b>	357	290	81%

## NATIONAL MERIT SCHOLARSHIP STATISTICS:

14/15  
3 Semi-Finalists

**West Morris Central High School offers 29 International Baccalaureate Courses**  
**INTERNATIONAL BACCALAUREATE EXAM SCHOOL STATISTICS**

Subject	Number of Candidates	Avg. Grade School	Avg. Grade (World-wide)
ENGLISH A1 HL	54	5.30	4.74
ENGLISH A SL	2	4.50	5.06
FRENCH B HL	11	4.55	5.23
FRENCH B SL	6	4.33	4.89
SPANISH AB SL	1	6.00	5.06
SPANISH B HL	20	5.65	5.36
SPANISH B SL	23	5.43	5.03
BUS. & MAN. SL ENGLISH	31	4.97	4.76
ECONOMICS SL ENGLISH	12	5.09	4.67
ENV. AND SOC. SL ENGLISH	12	4.92	4.20
HIST. EUROPE/ME HL ENGLISH	11	4.55	4.79
PSYCHOLOGY HL ENGLISH	17	5.06	4.67
PSYCHOLOGY SL ENGLISH	23	5.45	4.36
BIOLOGY HL ENGLISH	11	4.27	4.35
BIOLOGY SL ENGLISH	11	3.78	4.25
CHEMISTRY HL ENGLISH	3	4.33	4.50
CHEMISTRY SL ENGLISH	7	3.86	4.05
COMPUTER SCIENCE HL ENGLISH	2	3.50	4.38
COMPUTER SCIENCE SL ENGLISH	3	3.33	4.11
DESIGN TECH SL ENGLISH	3	3.00	3.92
PHYSICS HL ENGLISH	20	4.80	4.69
PHYSICS SL ENGLISH	1	4.00	4.19
SPORTS EX SCI SL ENGLISH	4	5.25	4.10
MATH STUDIES SL ENGLISH	20	6.05	4.48
MATHEMATICS HL ENGLISH	14	4.38	4.43
MATHEMATICS SL ENGLISH	16	4.25	4.44
DANCE SL ENGLISH	4	6.00	4.57
THEATRE HL ENGLISH	3	4.67	4.97
VISUAL ARTS OPTION A HL ENGLISH	10	5.70	4.84

**POST-SECONDARY PLACEMENT**

Graduates of the Class of 2015 are attending the following post-secondary institutions.

Ball State University	Hofstra University	Roanoke College	University of Massachusetts,
Barnard College	Ithaca College	Rochester Institute of Technology	Lowell
Baylor University	James Madison University	Roger Williams University	University of Mount Union
Bloomsburg University of Pennsylvania	Johnson & Wales University (Providence)	Rowan University	University of New Hampshire
Bucknell University	Johnston Community College	Rutgers University-New Brunswick	University of North Carolina at Wilmington
California State University, San Marcos	Juniata College	Sacred Heart University	University of Notre Dame
Cedar Crest College	Monmouth University of Pennsylvania	Saint Joseph's University	University of Pennsylvania
Centenary College	Lafayette College	San Diego State University	University of Pittsburgh
Clemson University	Lehigh University	Savannah College of Art and Design	University of Rhode Island
Coastal Carolina University	Lock Haven University of Pennsylvania	Springfield College	University of South Carolina
College of Charleston	Loyola University Chicago	Stevens Institute of Technology	University of Vermont
Cornell University	Loyola University Maryland	Stockton University	University of Virginia
County College of Morris	Manhattan College	Susquehanna University	University of Wisconsin, Madison
Dartmouth College	Marist College	Swarthmore College	Utah State University
DeSales University	Miami University, Oxford	Syracuse University	Vancouver Community College, City Centre
Drew University	Misericordia University	Taft School	Vassar College
Drexel University	Monmouth University	Texas A&M University	Villanova University
Duke University	Montclair State University	The College of New Jersey	Virginia Tech
East Carolina University	Moravian College	The Culinary Institute of America	Wake Forest University
East Stroudsburg University of Pennsylvania	Muhlenberg College	The University of Alabama	Warren County Community College
Eastern Kentucky University	New Jersey Institute of Technology	The University of Arizona	Washington College
Eastern University	New York University	The University of Scranton	West Chester University of Pennsylvania
Elon University	Northampton Community College	The University of Tampa	West Virginia University
Embry-Riddle Aeronautical University - Daytona Beach	Northeastern University	The University of the Arts	William Paterson University of New Jersey
Emerson College	Ohio University	Towson University	
Fairfield University	Pacific University	Universal Technical Institute	
Fairleigh Dickinson University - Florham Campus	Palm Beach Atlantic University	University of Arkansas	
Florida Gulf Coast University	Pennsylvania State University - World Campus	University of California, Los Angeles	
Fordham University - Lincoln Center Campus/Rose Hill Campus	Pennsylvania State University, University Park	University of California, Los Angeles	
Franklin and Marshall College	Princeton University	University of Colorado at Boulder	
Georgia Institute of Technology	Purdue University	University of Connecticut	
Gettysburg College	Radford University	University of Dayton	
Grove City College	Ramapo College of New Jersey	University of Delaware	
Hamilton College - NY	Raritan Valley Community College	University of Florida	
High Point University	Rhode Island College	University of Hartford	
	Rider University	University of Maine	
		University of Maryland, College Park	
		University of Massachusetts, Amherst	