

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

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## PROFILE

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

Counselors: Joe Cusack, Lorraine Gleason,  
Elizabeth Grasso, 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 2017 graduated 338 seniors. Current enrollment for 2017-2018 is 1240 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 2018 includes the school's first cohort of students who will have met the requirements of the International

Baccalaureate Career Related Programme. In this programme, 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 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>2017</u>	<u>2016</u>	<u>2015</u>
Four Year College/University	77%	79%	75%
Two-Year College	16%	17%	19%
Vocational Institutions	2%	1%	1%
Employment	5%	3%	5%
Travel, Undecided	0%	0%	0%
Military	0%	0%	0%
Apprenticeship	0%	0%	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	536	610	530	470
Math	580	640	590	520
Writing	545	620	540	480

		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	495	580	490	420
Math	514	600	510	430
Writing	508	570	480	410

## ACT SCORES

### Average Scores

	English	Math	Reading	Science	Composite
<b>WMC</b>	25.2	24.9	25.3	24.5	25.1
<b>NJ</b>	23.8	23.8	24.1	23.2	23.9

## SAT SUBJECT SCORES

	Mean	Students Tested
English Literature	609	10
US History	615	12
Mathematics Level I	659	15
Mathematics Level II	680	27
Biology-M	670	11
Chemistry	611	8
Physics	672	15

## 2017 ADVANCED PLACEMENT EXAMINATIONS

<u>Total Exams</u>	<u>Number Scoring 3 or higher</u>	<u>Percent</u>
446	346	78%

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

Biology	16/22
Chemistry	13/22
Computer Science Principles	2/2
English Language	72/84
English Literature/Comp	26/30
Physics 1	32/46
Physics 2	2/3
Physics C Mechanics	7/10
Physics C Electricity & Mag.	5/9
Macroeconomics	9/11
Calculus AB	15/15
Calculus BC	22/27
Environmental Science	6/6
US History	45/68
US Government/Pol	9/14
Spanish Language	2/3
Statistics	3/5
World History	60/69

**77 AP Scholars**

## NATIONAL MERIT SCHOLARSHIP

### STATISTICS:

16/17  
1 Semi-Finalist

## INTERNATIONAL BACCALAUREATE EXAM SCHOOL STATISTICS

Subject	Number of Candidates	Avg. Grade School	Avg. Grade (World-wide)
ENGLISH A HL	88	5.13	4.79
ENGLISH A SL	29	3.97	5.03
FRENCH B SL	6	4.17	4.97
MANDARIN AB SL	5	6.80	5.42
SPANISH B HL	9	6.11	5.38
SPANISH B SL	32	5.41	5.08
BUSINESS MANAGEMENT SL ENGLISH	34	4.70	4.80
ECONOMICS SL ENGLISH	8	5.00	4.72
ENV. AND SOC. SL ENGLISH	12	5.00	4.19
HIST. EUROPE/ME HL ENGLISH	23	4.48	4.73
PSYCHOLOGY HL ENGLISH	30	5.33	4.73
PSYCHOLOGY SL ENGLISH	16	4.93	4.35
BIOLOGY HL ENGLISH	30	4.20	4.32
BIOLOGY SL ENGLISH	10	4.13	4.20
CHEMISTRY HL ENGLISH	4	4.00	4.48
CHEMISTRY SL ENGLISH	12	3.82	3.95
COMPUTER SCIENCE HL ENGLISH	1	5.00	4.15
COMPUTER SCIENCE SL ENGLISH	3	3.00	3.76
DESIGN TECH SL ENGLISH	18	3.22	3.82
PHYSICS HL ENGLISH	16	3.94	4.65
PHYSICS SL ENGLISH	2	4.00	4.08
SPORTS EX SCI SL ENGLISH	6	3.83	3.91
MATH STUDIES SL ENGLISH	21	5.38	4.30
MATHEMATICS HL ENGLISH	17	3.82	4.72
MATHEMATICS SL ENGLISH	21	4.76	4.37
DANCE HL ENGLISH	2	6.00	5.04
FILM SL ENGLISH	6	5.00	4.27
MUSIC GR.PERF SL ENGLISH	3	4.00	4.26
THEATRE HL ENGLISH	3	5.33	4.84
THEATRE SL ENGLISH	1	5.00	4.44
VISUAL ARTS HL ENGLISH	5	5.00	4.65

### POST-SECONDARY PLACEMENT      Graduates of the Class of 2017 were accepted at the following post-secondary institutions.

American University	Hampshire College	Roanoke College	University of Michigan
Arcadia University	Hampton University	Roger Williams University	University of Minnesota, Twin Cities
Baylor University	High Point University	Rollins College	University of New England
Beloit College	Humboldt State University	Rutgers University	University of New Haven
Bentley University	Indiana University at Bloomington	Sarah Lawrence College	University of New Mexico
Bloomsburg University of Pennsylvania	Iona College	Seton Hall University	University of North Carolina at Charlotte
Boston College	Ithaca College	Southern Connecticut State University	University of North Carolina at Greensboro
Boston University	Jacksonville University	Springfield College	University of Pennsylvania
Bryn Mawr College	Keene State College	St. Bonaventure University	University of Pittsburgh
Bucknell University	King's College	Stevens Institute of Technology	University of Rhode Island
Carnegie Mellon University	La Salle University	Stevenson University	University of Richmond
Castleton University	Lafayette College	Stony Brook University	University of South Florida, Tampa
Clemson University	Lehigh University	Suffolk University	University of Southern California
Coastal Carolina University	Lesley University	SUNY College at Cortland	University of Southern Maine
Colby-Sawyer College	Liberty University	SUNY Maritime College	University of Virginia
Colgate University	Long Island University, Post	SUNY Maritine College	University of Wisconsin, Madison
College of the Holy Cross	Lycoming College	Susquehanna University	Utah State University
College of William and Mary	Lynchburg College	Syracuse University	Utica College
Delaware Valley University	Lyndon State College (Northern Vermont University)	Texas Tech University	Vanderbilt University
Denison University	Marist College	The College of New Jersey	Villanova University
DeSales University	Marist College	The College of Saint Rose	Virginia Commonwealth University
Drexel University	Marywood University	The George Washington University	Virginia Tech
East Carolina University	Massachusetts College of Liberal Arts	The University of Alabama	Wake Forest University
East Stroudsburg University of Pennsylvania	Merrimack College	The University of Arizona	Washington and Lee University
Eastern Kentucky University	Miami University, Oxford	The University of North Carolina at Chapel Hill	Wesleyan University
Elon University	Mississippi State University	Tulane University	West Chester University of Pennsylvania
Emerson College	Monmouth University	Unity College	West Virginia University
Fairleigh Dickinson University - Florham Campus	Montclair State University	University of California, Davis	Western New England University
Felician University	Mount St. Mary's University	University of California, Santa Barbara	Widener University
Florida Atlantic University	Muhlenberg College	University of Connecticut	Wilkes University
Florida Gulf Coast University	New Jersey City University	University of Florida	William Paterson University of New Jersey
Florida State University	New York University	University of Hartford	Worcester Polytechnic Institute
Fordham University	Niagara University	University of Illinois at Urbana-Champaign	York College of Pennsylvania
Franklin & Marshall College	Northeastern University	University of Kentucky	
Furman University	Pacific University	University of Maine at Farmington	
Gannon University	Pennsylvania State University	University of Maryland, College Park	
Georgia Institute of Technology	Providence College	University of Miami	
Gettysburg College	Purdue University		
Hamilton College - NY	Ramapo College of New Jersey		
	Rensselaer Polytechnic Institute		
	Rider University		