



PROFILE: THE CLASS of 2020

CEEB CODE: 310845

Within a culture of support and collaboration, Morrystown-Beard School students discover and develop their individual pathways to academic success and personal fulfillment while becoming enlightened, morally responsible citizens of the world.

THE SCHOOL COMMUNITY

Morrystown-Beard is an independent, coeducational day school serving students from over 80 communities and nine counties in northern New Jersey. There are 593 students in grades 6-12, with an Upper School enrollment of 442. There are 103 faculty members, of whom 66% hold advanced degrees, of which 23 are doctoral. The School is accredited by the Middle States Association of Colleges and Schools and the New Jersey Association of Independent Schools and is approved by the New Jersey State Department of Education.

CURRICULAR PHILOSOPHY

MBS has fully embraced the “new” or “21st Century” paradigm for secondary education, as articulated by such thinkers and researchers as the late Grant Wiggins, Sir Ken Robinson, Tony Wagner, and many others. Despite the challenges this new model poses to many traditional secondary school assumptions and practices, its focus on skills over content, on critical and creative thinking over mere absorption of information, on critical reading and writing in all disciplines, and above all its foundation in a “growth” as opposed to “fixed” mindset, is supported by a wave of cognitive research and emerging best practices. Our academic program has been steadily evolving for the past decade along these lines, and we are justly proud of the progress we have made in preparing our graduates to succeed in higher education and in the social landscape of the future, both of which are themselves in the midst of complex, rapidly evolving change. Our students, therefore, need to be understood and assessed in the light of these principles, as outlined in our Statement of Curricular Philosophy:

The Morrystown-Beard curriculum emphasizes critical thinking, problem solving, independent thought, and intellectual risk taking. It supports cross-disciplinary connections and a holistic view of knowledge. It encourages integration of habits of intentional speaking and writing so that students may develop and articulate their ideas. The curriculum is process-oriented, and teachers' assessment of student work reflects the means by which a student creates and learns in addition to final product. The curriculum at Morrystown-Beard esteems the qualitative as well as quantitative dimensions of learning and supports students' making connections to other areas of intellectual thought and the larger world.

SIGNATURE PROGRAMS

Advanced Seminar/Advanced Studies Program

In an effort to provide a rigorous alternative to the standardized curriculum and testing of AP courses, the Upper School offers a suite of Advanced courses for seniors and selected juniors that equal or exceed AP courses in terms of conceptual challenge, complexity of material, development of critical skills and overall preparation for college academics. They are therefore the most academically rigorous courses we offer. These courses, which are either one semester (Advanced Seminar courses) or full year (Advanced Studies courses), are proposed by faculty with a particular interest and expertise in a given field and are subject to a thorough peer-review process, overseen by a committee of experienced teachers with college teaching backgrounds. These advanced

courses foreground critical thought and discussion, require students to work independently and are flexible enough to encompass a broad range of course themes. In all Advanced courses, the level of reading, writing and discussion equals that found in a first-year college course. **Both Advanced Seminar and Advanced Studies courses are designated with the prefix “AS,” indicating a level of rigor comparable to or exceeding AP courses.**

Earned Honors Model

In keeping with the idea of a growth mindset and the awareness, definitively established by research, that intelligence is not fixed but capable of continuous growth in the proper learning contexts, we have created an “Earned Honors” model in many classes whereby students are not pre-slotted as “honors” or “regular” but are placed in heterogeneous classes and given the opportunity to earn honors on the basis of the work they produce. The honors distinction is not based on quantitative factors (i.e. “more work”), but is measured by the qualitative rigor and analytical depth of the tasks undertaken to earn honors.

Integrated Math Curriculum

Starting in the fall of 2016 and phasing in sequentially, the Integrated Math Program consists of three full year courses: Integrated Math 1, 2 and 3. Combining both traditional and contemporary approaches and content, this structure represents an evolution in math curriculum design and allows students a much greater opportunity for growth and development in mathematical thinking. While the program covers all of the traditional areas (Algebra 1, Geometry, Algebra 2 and Pre-Calculus), Integrated Math blends these different strands of mathematics through each of its three levels and focuses on connections among formerly isolated topics such as algebra, geometry and trigonometry. This approach reveals a more organic picture of the field of mathematics and fosters deeper insight into its intricacies and beauty. Upon completion of Integrated Math 3, students typically advance to either Functions Analysis and Trigonometry or Mathematical Analysis Honors.

World Language Mastery Curriculum

The World Language department is in the midst of transitioning from a traditional curriculum that offers numbered courses to a Mastery Curriculum. The Mastery Curriculum in French, Latin and Spanish is designed to allow students to move forward through language at a pace that provides them opportunities for success. The courses are defined by performance objectives rather than time spent learning the language. These performance objectives provide information for students about what they must consistently demonstrate to reach a particular level, putting them in control of their own progress. Students can move through the sequence at a pace that fits their language development, advancing past levels if they demonstrate competence in the relevant benchmarks. Students who demonstrate extraordinary achievement in their language studies advance to the Experienced level and either AP or Advanced Studies courses. At the Intermediate and Experienced levels, thematic courses (e.g. Spanish Through Music and Film, French Cinema) are offered.

CURRICULUM NOTES

ADVANCED PLACEMENT PROGRAM

Students must fulfill required prerequisites and have departmental approval in order to enroll in any of the 12 AP courses offered. With the exception of those taking Chemistry and United States History, the majority enrolled in AP classes are seniors. In addition to courses offered, recommended juniors may also sit for the English Language and Composition exam.

INDEPENDENT STUDY

Our Independent Study program encourages students to explore areas of interest that fall outside the traditional course catalog. Under the guidance of selected faculty members with a special expertise or interest in the field, students work side by side to develop a scope and sequence curriculum, create authentic class specific content and create original assessments. Independent Studies are ideal for motivated, high-achieving students. Current topics include: Acting Technique, Aquaponic Systems, Biokinetics, Coral Reef Ecosystems, Cosmetic

Chemistry, Deductive Logic: Applications and Limitations, Financial Modeling, Motion Graphics and Media Authoring, Plot Driven Comedy, and Yemen's Civil War.

GRADUATION REQUIREMENTS

The academic year is divided into two semesters during which a minimum academic load is six courses. While a total of 24 credits is required for graduation, we encourage students to pursue their academic interests by going beyond the minimum requirements of:

English	4 years
Mathematics	3 years
History	3 years
Science	3 years
World Language	3 years
Performing/Visual & Digital Arts	1 year

TEST SCORES (CLASS OF 2019)

	Middle 50%	Mean
SAT		
Evidence Based		
Reading and Writing	610-710	661
Math	580-695	638
ACT		
Composite	25-31	28

GRADING SYSTEM AND CLASS RANK

Grade point averages are unweighted and calculated based on the system below. Passing grade is 60. A cumulative GPA is not calculated, nor do we rank our students.

Letter Grade	Points
A+	4.00
A	4.00
A-	3.67
B+	3.33
B	3.00
B-	2.67
C+	2.33
C	2.00
C-	1.67
D+	1.33
D	1.00
D-	0.67
F	0.00

Class of 2020: JUNIOR YEAR GRADE DISTRIBUTION

GRADES	A+	A	A-	B+	B	B-	C+	C	C-
Humanities English 11 Fall *		5	19	19	16	3			1
Humanities English 11 Fall (H) *		5	12	25	4				
Humanities English 11 Spring *		8	14	26	10	2	1		
Humanities English 11 Spring (H) *	1	13	11	23		2			
English Electives *			7	6	6				
English Electives (H) *		29	9	1					
Humanities History 11		5	22	12	11		2		1
Humanities History 11 (H)	2	5	10	14	9	2			
US History (AP)		2	3	5	5				
Global Human Rights (AS)			2	6	2				
History Electives *	1	3	6	5	6	5			1
History Electives (H) *		5	6	5					
Integrated Math 2				2					
Integrated Math 3		3	5	4	11	7	2	3	
Integrated Math 3 (H)		8	2	1					
Pre-Calculus		6	4	6	9	2	1		
Pre-Calculus (H)		2	12	14	22	4	2		
Calculus						1			
Calculus (H)		1							
Calculus AB (AP)		4	6	2					
Calculus BC (AP)		1							
Business Math *		2							
Math and Art *		4		1	1				
Probability Theory *		1		2	1				
Statistics and Data Analysis *		3	3	5	5	1			
Trigonometry (H) *		3	3	3	3	1		1	
Biology		2	5	7	9		1	1	
Biology (H)		20	10	2					
Experimental Biology		3	3	2	3	2	1		
Experimental Biology (H)		6	9	9	4	3			
Chemistry (AP)		1	1		3				
Organic Chemistry (AS)			2	2		2			
Environmental Science			1	1	1				
Environmental Science (H)		1	2	3					
Advanced Physics 1 (H) *					2				
Advanced Physics 2 (H) *					1	1			
Anatomy and Physiology (H) *	1	1							
Forensic Science *			1				2		
Genetics and Biotechnology *	1								
Nutrition *		3			4				
Sports Medicine *		4	2	3	3	1			
French 1					2				
French 2 (H)				2	2				
French 3					1		1	1	
French 3 (H)		2		2			4		
French 4				3	4	1			
French 4 (H)		3	1		1				
French Cinema (H)		3		1					
French (AP)		1							
Building Latin				1	2				
Latin 3 (H)	1				1				
Latin 4					1	2			
Latin 4 (H)		2							
Advanced Latin (H)		3							
Spanish 2							2		
Spanish 2 (H)							1		
Spanish 3		2	4	5	6				
Spanish 3 (H)			2	1					
Spanish 4		9	11	9	6			1	
Spanish 4 (H)		1	2	4	1	3			
Spanish Through Music and Film		1	1	1					
Spanish (AP)			1	1					1
French Cultural Studies (AS) *		1							
Humanities and Sciences (AS) *		1	1						
Metaphysics (AS) *		1							
Political Philosophy *		1							
Intro to iOS Programming		1							
Computer Arts and Sciences 2							3		
Computer Arts and Sciences 3		1							
Spaceflight Engineering (H)			1	1					

* Semester Courses

Upper School

ACADEMIC COURSE OFFERINGS 2019-2020

ADVANCED SEMINARS

(11,12; AS):
French Cultural Studies: Happiness, Feast Days and Celebrations
Metaphysics: Philosophy of the Mind
Political Philosophy
Science, Culture and Decade of the 1960s
Stigma and Identity in Ancient Greece
Technology, Society, Values
The Economics of Natural Resources
The Essentials of Entrepreneurship
The Humanities and the Sciences: Bridging the Gap

DESIGN ARTS AND SCIENCES

Art 1 (9,10,11,12)
Art 2 (10,11,12)
Art 3 (11,12)
Art 4 (12)
Studio Art (12, AP)
Advanced iOS Programming (9,10,11,12)
Computer Science 1-2 (9,10,11,12)
Computer Science 3 (10,11,12)
Computer Science 4 (11,12)
Space Flight Engineering and Design (11,12; honors)
Video Broadcast Journalism (10,11,12)

Semester Electives – Digital and Studio (9,10,11,12)

Advanced Graphic Design, Ceramics, Designing the Future, Digital Arts, Digital Graphic Design, Digital Video Storytelling, Glass Design, Jewelry Design, Metal Design 1-2, Music Production, Sculpture: The 3D Experience, The Design of Everyday Things, Word and Image

Semester Electives – Photography (9,10,11,12 unless noted)

Digital Photography, Photography 1, Photography 2 (10,11,12), Advanced Photography (10,11,12), Photography Past and Present

ENGLISH

Humanities English 9 (standard & honors)
Humanities English 10 (standard & honors)
Humanities English 11 (standard & honors)
English 12 (standard & honors – semester electives)
English 12 (AP)
Literature of the Modern Period (11, 12; AS)

Semester Electives

(11,12; standard & honors unless noted):
Advanced Creative Writing; Debate Matters;
Deconstructing Gender in Literature and Life; Design Through Writing; Eating, Reading: Literature and Food; Elements of Style; Introduction to Creative Writing; Journalism; Literature of the American Civil War; Love, Myth and Murder: Five Greek Plays; Monsters and Madness; Savage Satire; Shakespeare and Film; The Iliad and The Odyssey; The Language of Leadership; The Play's the Thing; The Power of Stories; They Say/I Say: Truth and Perspective; Villains; Voices From Abroad; Word and Image; Writing our Lives; Writing Center Theory and Practice (11, honors)

HISTORY

Humanities History 9 (standard & honors)
Humanities History 10 (standard & honors)
Humanities History 11 (standard & honors)
United States History (11,12; AP)
European History (12, AP)
A History of Western Ideas (11, 12; AS)

Semester Electives

(11,12; standard & honors unless noted):
African History, China Under Mao Zedong, Composers in Context: From Beethoven to "Bang on a Can," Constitutional Law (honors), Criminology Studies, Diversity and Public Policy, Economics, Literature of the American Civil War, Mass Migration, Microeconomics (honors), Religion and Society, Social Psychology, The American College Experience, The Living Constitution, The Psychology and Philosophy of Religion, The Sociology of Diversity, US Politics: Beyond 2016

MATHEMATICS

Integrated Math 1 (9, standard & honors)
Integrated Math 2 (9,10; standard & honors)
Integrated Math 3 (9,10,11; standard & honors)
Functions Analysis and Trigonometry (11,12)
Mathematical Analysis (10,11,12; honors)
Calculus (11,12; standard & honors)
Calculus AB (10,11,12; AP)
Calculus BC (11,12; AP)
Statistics (11,12; AP)
Statistics and Probability (11,12; honors)

Semester Electives

(10,11,12 unless noted; standard unless noted)
Math and Art (11,12), Probability Theory, Quantitative Business Analysis (12), Statistics and Data Analysis

PERFORMING ARTS

(9,10,11,12 unless noted):
Stagecraft 1-4
Tap
Theater Dance 1-4
Chorus 1-4
Jazz Ensemble 1-4
Percussion Ensemble 1-4
String Ensemble 1-4
Dance
Intermediate Dance
Advanced Dance
Morristown-Beard Dance Ensemble

Semester Electives

(9,10,11,12 unless noted):
Acting, Chorus Mini Session, Composers in Context: From Beethoven to Bang on a Can," Fundamentals of Music, Fundamentals of Studio Recording, Improv and Sketch Comedy, Music Composition for Film and Visual Media, Music Theory, Stagecraft Mini Session, Synthesizer Programming and Sound Design, Soundscapes Music Composition, Tap Mini Session, Theater Dance Mini Session

SCIENCE

Physics (9, standard & honors)
Chemistry (9,10,11; standard & honors)
Quantitative Chemistry (9,10,11; standards & honors)
Biology (10,11,12; standard & honors)
Experimental Biology (10,11,12; standard & honors)

Full-Year Electives:

Biology (11,12; AP)
Chemistry (11,12; AP)
Environmental Science (11,12; standard & honors)
Organic Chemistry (11,12; AS)
Physics C Mechanics/Electricity and Magnetism (11,12; AP)

Semester Electives

(11,12; standard unless noted):
Advanced Physics 1- 2 (honors), Anatomy and Physiology (honors), Forensic Science, Genetics and Biotechnology (honors), Sports Medicine

WELLNESS

Wellness 9 (full year)
Wellness 10 (one semester)
Driver Education Theory (10, one semester)
Wellness 11 (one semester)

Semester Electives

(10,11,12 unless noted):
Introduction to Hatha Yoga, Nutrition, Peer Group (11,12), Sports Medicine (11,12)

WORLD LANGUAGES

(9,10,11,12 unless noted):
Introductory French (standard)
Novice French (standard)
Foundational French (standard)
Building French (standard)
French 3-4 (standard & honors)
French 5 (standard)
French Cinema (10,11,12; honors)
French Language (AP)
Introductory Spanish (standard)
Novice Spanish (standard)
Foundational Spanish (standard)
Building Spanish (standard)
Spanish 3-4 (standard & honors)
Spanish through Music and Film (11,12; standard)
Spanish Language (AP)
Introductory Latin (standard)
Novice Latin (standard)
Foundational Latin (standard)
Building Latin (standard)
Intermediate Latin (standard)
Experienced Latin (standard)
Latin Literature of the Golden Age (11,12;AS)
Italian Language and Culture (11,12;AS)

OTHER

Community Service
Senior Project

2016-2019

MATRICULATION LIST

American Academy of Dramatic Arts
American University
Assumption College
Auburn University
Barnard College
Bates College
Belmont University
Bentley University
Berklee College of Music
Boston College
Boston University
Brown University
Bucknell University
Chapman University
Clemson University
Colby College
Colgate University
College of Charleston
College of the Holy Cross
Columbia University
Connecticut College
County College of Morris
Dickinson College
Drexel University
Duke University
Elon University
Emory University
Fairfield University
Florida State University
Fordham University
Franklin & Marshall College
Georgetown University
Gettysburg College
Hamilton College
Haverford College
High Point University
Hobart and William Smith Colleges
Indiana University
Ithaca College
Johns Hopkins University
Kenyon College
Lafayette College
Lehigh University
Loyola University Maryland

Lynn University
Marist College
Miami University
Michigan State University
Middlebury College
Monmouth University
Montclair State University
Mount Holyoke College
Muhlenberg College
New Jersey Institute of Technology
New York Institute of Technology
New York University
Northeastern University
Northwestern University
Occidental College
Pennsylvania State University
Point Park University
Providence College
Purdue University
Rensselaer Polytechnic Institute
Rhodes College
Rochester Institute of Technology
Roger Williams University
Rutgers University
Sacred Heart University
Santa Clara University
Savannah College of Art and Design
Skidmore College
Smith College
Southern Methodist University
St. Lawrence University
Stevens Institute of Technology
Stonehill College
Syracuse University
The College of New Jersey
The College of Wooster
The George Washington University
The Ohio State University
The University of Alabama
The University of North Carolina at Chapel Hill
The University of Scranton
The University of Texas
Trinity College

Tufts University
Tulane University
Union College
United States Naval Academy
University of California, Los Angeles
University of Chicago
University of Colorado
University of Delaware
University of Denver
University of Florida
University of Kentucky
University of Maryland
University of Miami
University of Michigan
University of Mississippi
University of New England
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 South Carolina
University of Southern California
University of Southern Maine
University of Vermont
University of Virginia
University of Wisconsin
Vanderbilt University
Vassar College
Villanova University
Virginia Tech
Wagner College
Wake Forest University
Washington and Jefferson College
Washington and Lee University
Washington College
Washington University in St. Louis
Wesleyan University
West Virginia University
Western New England University