



# Vestal High School

An International Baccalaureate World School

Profile for College and University Admissions  
2009-2010

## Vestal Central School District

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## Vestal High School

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## Mission Statement

The Vestal Central School District believes each student is unique and can learn. The District's mission is to provide instruction, programs, strategies and challenges in a caring, positive learning environment. Each student will become a critical thinker, a lifelong learner, and a responsible, contributing citizen in a changing global society. The Board of Education, staff, parents, students and community share a commitment to this mission.

## District Goals

**Challenge** all Vestal students to meet ever-increasing standards of excellence in preparation for participation in the global society.

**Support** students' efforts to learn and grow by assuring all a positive educational environment.

**Foster** community pride in the Vestal schools by communicating openly and effectively about our students and the school program.

**Invest** fiscal resources responsibly and effectively to accomplish the District's mission.

## 2009 Achievements

- *Newsweek* Magazine - Ranked in the top 1200 High Schools in the nation
- National Merit Scholarship Finalists - 2
- A Vestal student was one of five participants representing the United States in the International Chemistry Olympiad competition in Cambridge, UK during July, 2009
- Choral Group - First and second place finishes for the Women's Chorale and the Men's Chorus at the Heritage Music Festival in Philadelphia, PA
- Gold awards in Chorus, Band, and Orchestra at the state level
- Six students attended the NYS Summer School for the Arts during July and Vestal students earned Gold and Silver awards through the Scholastic Art regional competition
- 307 athletes on 19 varsity teams earned Scholar Athlete Awards with an average GPA of 95.032.
- 63% of seniors took a college-level course in high school
- 92% of the class of 2009 are enrolled in college
- Mean SAT Reasoning Test Score - Class of 2009 - 1666 points



## The Community

The Town of Vestal, located near the major highways of Interstates 88 and 81 and Route 17, is nestled in the rolling hills of Broome County in the Southern Tier of New York. It covers about 53 square miles and is an area just west of Binghamton with a population of about 27,000.

Vestal and its neighboring communities offer a wide range of cultural, athletic and educational activities including the Roberson Museum, the Discovery Center, the Kopernik Observatory, the Cider Mill Playhouse, youth and adult symphonies, theater groups, and the Tri-Cities Opera. Binghamton University is located in Vestal and Broome Community College is nearby, both offering many cultural and educational experiences. Cornell University, Ithaca College and the State Universities at Cortland and Oneonta are all within a 60-mile radius of Vestal.

## The District

Nine facilities make up the Vestal Central School District with five K-5 buildings, a middle school, a high school, administration offices, and a transportation department. The district employs approximately 380 instructional staff and 440 support staff to serve a student body of approximately 3950.

The district offers the Vestal Teacher Mentor Program and comprehensive staff development program.

The district's long-range technology plan allows staff the opportunity to use computers and technology as a teaching tool.

Psychologists, speech therapists, content-area workshop teachers, school counselors, physical and occupational therapists, and teacher aides are available to work with students in all buildings. Building-level reading teachers and a district reading specialist offer a diversified approach to K-12 literacy instruction.

## The School

Vestal Senior High School, named one of America's best high schools by *Newsweek* magazine, annually receives international, national and state recognition for excellence in

education. Ninth through twelfth graders attend this 4-year comprehensive school, choosing from over 225 course offerings. The high school also offers numerous opportunities for students in athletics, band, vocal music, orchestra, and the visual arts. Additionally, there are 29 clubs accommodating a wide range of student interests. Many students also participate in community activities.

Computer Resource Centers in English, Math, Business, Library, Social Studies and Foreign Language, as well as wireless laptops in science, provide students with multiple opportunities to use instructional technology to enhance their learning.

The district is currently completing a 3-year, \$55 million capital project, which includes renovating Vestal Senior High School. A major aspect of the renovation work involves creating an infrastructure that will prepare students to use the changing technology that is an integral part of participation in a global world.

## The Curriculum

Vestal Senior High School also offers the International Baccalaureate Diploma Programme. The IB Diploma is a two-year program that challenges students with college-level course work in a wide variety of subjects areas. The courses are rigorous, with an emphasis on critical thinking, analyzing different perspectives, enhancing students' awareness of international issues, and improving writing skills. In addition to completing six IB courses and the accompanying examinations, students are required to engage in extensive community service, conduct an independent research project, and complete a two-semester course called Theory of Knowledge, which investigates philosophy, learning, and knowing.

Vestal Senior High School also offers an Honors Diploma Program. The Honors Diploma requires that students take six courses of significant rigor, chosen from International Baccalaureate courses, Advanced Placement courses, and locally developed courses with an external assessment component. The Honors Diploma also requires community service, independent research, and an inquiry in to the nature of learning through a two-semester course entitled Theory of Knowledge.

## Graduation Requirements

To become a graduate of a New York State public high school, a minimum of 22 units of credit is required, including 4 units of English, 4 units of social studies, 3 units of science, 3 units of mathematics, 1/2 unit of health, 1 unit of art or music, 1 unit of foreign language and 2 units of physical education along with the New York State Regents Exams or their equivalent.

The Regents Diploma with Advanced Designation requires all of the above, plus 2 additional years of a foreign language with an additional Regents exam in Math, Foreign Language and Science.

### Regents Diploma Required Courses

English	4
Social Studies	4
Mathematics	3
Science	3
Foreign Language	1
Art/Music	1
Health	.5
Physical Education	2
Electives	3.5
<b>Total</b>	<b>22</b>



## International Baccalaureate, Advanced Placement, Honors

<u>IB</u>	<u>AP</u>	<u>HONORS</u>
IB English, HL	AP English	English 9, 10
IB Spanish, SL & HL		
IB French, SL & HL		
IB German, SL & HL		
IB Hist. of Americas, HL	AP U.S. History	
IB Economics, SL	AP European History	
IB Psychology, SL	AP Psychology	
IB Chemistry, SL & HL	AP Chemistry	
	AP Biology	
IB Environmental Sys., SL	AP Physics	Integrated Math 2, 3
IB Mathematics, SL & HL	AP Environmental Sys.	Math 4 Analysis
IB Math Studies, SL	AP Calculus	
IB Art & Design, SL & HL		
IB Theatre, SL & HL		
IB Music, SL		
IB Computer Science		

## COLLEGE CREDIT THROUGH REGIONAL COURSES

Students may have the option to earn college credit through regional colleges in the following subjects:

Spanish  
Broome Community College

French  
Broome Community College

Anatomy & Physiology  
Excelsior College

## Final Cumulative Average

Vestal Senior High School students are graded on a percentage scale of 0-100. The passing grade is 65. Grades received through the junior year and the summer preceding the senior year are used as a basis for computing the high school average. The weighting system described in this section is applied when determining a student's final cumulative average and class rank. The final cumulative average and class rank are determined by adding all of the weighted grades and dividing by the total number of credits. The weighted grade is computed by multiplying the earned grade by the index.

## Index for Weighting:

<u>EARNED GRADE</u>	<u>School Level</u>	<u>Regents Academic Level</u>	<u>Special Placement/Honors</u>	<u>AP/IB/College</u>
	<u>1.0</u>	<u>1.02</u>	<u>1.04</u>	<u>1.06</u>
100	100	102	104	106
99	99	100.98	102.96	104.94
98	98	99.96	101.92	103.88
97	97	98.94	100.88	102.82
96	96	97.92	99.84	101.76
95	95	96.90	98.80	100.70

## Extracurricular Activities

Extracurricular activities include Art Club, Bear Facts Student Newspaper, Environmental Club, Fashion Club, French Club, Gay-Straight Alliance, German Club, High School Musical, Girls Guiding Girls, Jazz Band, Jazz Choir, Madrigal Choir, Marching Band, Mathletes, Mock Trial, National Honor Society, Odyssey of the Mind, Peace Club, Rotary Interact Club, SADD, Science Club (Chemistry Magic Show), Ski Club, Spanish Club, Student Government, Student Store, Tech Club, Varsity Club, Winterguard, Yearbook.

### Class of 2009 GPA Distribution (303 Students)

<u>GPA</u>	<u>% of Class</u>	<u># of Students</u>
100-106	6.6%	20
95-99	17.2%	52
90-94	20.5%	62
85-89	16.2%	49
80-84	19.8%	60
75-79	14.2%	43
70-74	2.6%	8

### Mean SAT I Scores Class of 2009

	<u>Critical Reading</u>	<u>Math</u>	<u>Writing</u>
Vestal	555	573	538
NYS	485	502	478
National	501	515	493

### Advanced Placement 2009 Test Data

215 students took 307 exams (Range 1-5)

<u>Subject</u>	<u>Number Tested</u>	<u>% 3 or above</u>
Biology	11	91%
Calculus AB	21	76%
Calculus BC	6	100%
Chemistry	20	95%
Computer Science A	8	88%
Economics - Macro	10	60%
Economics - Micro	1	100%
English Lit/Comp	45	73%
Environmental Sci	4	75%
European History	50	84%
Physics B	22	55%
Physics C - Elec & Mag	1	100%
Physics C - Mechanics	3	67%
Psychology	33	94%
US History	72	85%

### International Baccalaureate 2009 Test Data

81 students took 202 exams (Range 1-7)

<u>Subject</u>	<u>Number Tested</u>	<u>% 4 or above</u>
English A1 HL	45	100%
French B SL	11	91%
German B SL	2	100%
Spanish B HL	14	100%
Spanish B SL	7	86%
Economics HL	1	100%
Economics SL	26	81%
History Americas HL	6	100%
Psychology SL	3	33%
Chemistry HL	9	100%
Chemistry SL	2	50%
Environment. Sys. SL	4	50%
Computer Science SL	2	100%
Math Studies SL	16	100%
Mathematics HL	6	100%
Mathematics SL	3	100%
Music SL	1	100%
Theater Arts HL	1	0%
Visual Arts Opt A HL	9	89%
Visual Arts Opt B SL	2	50%



## College Enrollments - Class of 2009

COLLEGE	ACCEPTED	ATTENDING	COLLEGE	ACCEPTED	ATTENDING	COLLEGE	ACCEPTED	ATTENDING
American University	1	0	Keystone College	1	1	State University of New York at New Paltz	12	3
Albany College of Pharmacy	3	0	La Salle University	2	0	Stony Brook University	7	0
Alfred State College	5	3	Lackawanna College	2	2	SUNY College at Brockport	7	1
Alfred University	4	1	Lafayette College	1	0	SUNY College at Cobleskill	1	0
Arcadia University	2	0	Le Moyne College	15	2	SUNY College at Cortland	11	3
Arizona State University	1	0	Lehigh University	3	2	SUNY College at Fredonia	14	2
Auburn University	1	0	Liberty University	2	1	SUNY College at Geneseo	17	4
Baylor University	1	0	Limestone College	1	1	SUNY College at Old Westbury	1	0
Bentley University	1	1	Long Island University, C.W. Post Campus	1	0	SUNY College at Oneonta	16	6
Binghamton University	59	31	Manhattan College	1	0	SUNY College at Potsdam	7	2
Bloomsburg University of Pennsylvania	3	2	Mansfield University of Penn.	2	0	SUNY Delhi	3	2
Boston College	1	0	Marietta College	1	0	SUNY Health Science Center at Syracuse	1	0
Boston University	4	1	Marist College	1	0	SUNY Oswego	17	4
Brandeis University	1	1	Marywood University	3	0	Syracuse University	17	7
Broome Community College	110	95	Massachusetts College of Pharmacy and Health Sci.	2	0	Temple University	2	1
Brown University	1	1	Medaille College	2	2	Texas A&M University	1	0
Bucknell University	1	0	Mercy College	2	2	The College of Saint Rose	3	1
Buffalo State College of SUNY	4	2	Messiah College	2	0	The George Washington University	2	0
Campbell University	1	0	Miami University, Oxford	1	0	The Ohio State University	1	1
Canisius College	9	0	Misericordia University	2	0	The University of Arizona	1	0
Carnegie Mellon University	2	0	Mohawk Valley Comm. College	1	0	The University of Scranton	8	2
Case Western Reserve University	2	1	Monroe Community College	1	0	The University of Tampa	1	0
Cazenovia College	2	1	Moravian College	1	0	Tompkins Cortland Comm.College	8	3
Cedarville University	3	1	Morehouse College	1	1	Towson University	2	0
Chestnut Hill College	1	0	Morrisville State College	2	1	Trinity College	1	0
Clark Atlanta University	1	0	Nazareth College of Rochester	5	4	Tulane University	1	0
Clarkson University	8	1	New York University	3	1	Union College	2	0
Coastal Carolina University	2	0	Niagara University	1	1	United States Military Academy	1	1
Colgate University	1	0	North Carolina State University	1	0	University at Buffalo The State University of New York	41	8
College of William and Mary	1	0	North Central University	1	0	University of Alaska Fairbanks	1	0
Colorado State University	1	0	Northeastern University	6	0	University of California at Berkeley	1	0
Cornell University	6	4	Northwestern University	1	0	University of California at Davis	1	1
Davis College	1	1	Oberlin College	1	1	University of California at Irvine	1	0
DeSales University	1	0	Ohio Technical College	1	1	University of California at Los Angeles	1	0
Dickinson College	1	0	Oregon State University	1	0	University of Chicago	1	0
Drexel University	8	0	Pace University, Pleasantville-Briarcliff	1	0	University of Connecticut	1	0
Duquesne University	1	0	Palm Beach Atlantic University	1	1	University of Delaware	8	0
D'Youville College	1	0	Paul Smith's College	1	0	University of Maine	1	0
East Carolina University	2	1	Pennsylvania State University, University Park	7	0	University of Maryland, College Park	1	0
East Stroudsburg University of Penn	2	1	Philadelphia University	2	0	University of Massachusetts, Amherst	2	0
Eastern University	1	1	Plattsburgh State University	1	1	University of Michigan	7	0
Elmira Business Institute	1	1	PrattMWP	1	1	University of Nevada, Las Vegas	1	1
Elmira College	3	2	Princeton University	1	1	University of New Hampshire	1	0
Embry-Riddle Aeronautical University - FL	1	1	Purchase College	2	0	University of North Carolina at Greensboro	1	0
Emory University	1	0	Rensselaer Polytechnic Institute	3	1	University of Pittsburgh	3	0
Erie Community College, City Campus	2	1	Rice University	1	0	University of Portland	1	0
Evangel University	1	0	Roberts Wesleyan College	3	2	University of Rhode Island	3	0
Fashion Institute of Technology	2	1	Rochester Institute of Technology	13	3	University of Richmond	1	0
Fordham University	2	0	Rutgers, The State University of New Jersey at New Brunswick	2	0	University of Rochester	4	0
Franklin and Marshall College	1	0	Sage College of Albany	1	0	University of Southern California	1	0
Franklin Pierce University	1	1	Saint Joseph's University	4	1	University of Southern Maine	1	0
Franklin W. Olin College of Engineering	1	0	Saint Michael's College	1	0	University of Tennessee, Knoxville	3	2
George Mason University	1	0	Samford University	1	1	University of Vermont	5	3
Georgetown University	1	0	Seattle University	2	0	University of Washington	1	0
Grove City College	1	1	Seton Hall University	3	0	Utica College	1	0
Hartwick College	3	1	Seton Hill University	1	1	Villanova University	3	1
Herkimer County Community College	1	0	Siena College	15	1	Virginia Polytechnic Institute and State University	2	1
Hobart and William Smith Colleges	8	1	Skidmore College	1	0	Warren Wilson College	1	0
Hofstra University	5	0	Springfield College	1	0	Washington State Community College	1	1
Hollins University	1	1	St. Bonaventure University	4	1	Washington State University	1	0
Houghton College	3	0	St. Edward's University	1	1	Wells College	2	0
Illinois Wesleyan University	1	0	St. John Fisher College	17	1	West Chester University of Penn.	1	0
Iona College	2	0	St. John's University - Manhattan Campus	3	1	West Virginia University	1	0
Ithaca College	13	1	St. John's University - Queens Campus	4	1	Western Kentucky University	1	1
Jacobs University Bremen	1	1	St. Lawrence University	1	0	Western New England College	2	0
James Madison University	1	0	State University of New York at Albany	22	7	Widener University	1	0
Johns Hopkins University	1	0				Wilkes University	8	2
Kent State University	1	0				Word of Life Bible Institute	1	0