



Bow High School

55 Falcon Way
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CEEB # 300059

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www.bownet.org

Profile 2014-2015

Bow High School is a comprehensive public school located south of Concord, New Hampshire. Beginning in the fall of 2014, the Bow school District welcomed students from Dunbarton as part of an area contract. Students also tuition in from our neighboring town of Hooksett.

In this, our eighteenth year, the community of Bow High School stands proud having built a strong foundation of academic excellence, interdisciplinary curricula, and community partnerships. Our graduates are excelling at challenging colleges and universities, and our faculty is continually raising the bar of personal and academic responsibility – far beyond the expectations of a traditional secondary school. We offer a most challenging and individualized academic experience for our students. The class of 2015 is an academically strong and committed group of outstanding young men and women. They are the backbone of our school's culture, providing us with the spirit and leadership that has defined us as one of the top high schools in New Hampshire. We have placed among the highest ranked schools in the state wide academic testing every year since we have opened in 1997.

Our school colors are navy blue, gold and white. The mascot is the Falcon. We have 60 faculty members, 35 support staff and

paraprofessionals. This year's enrollment for grades nine through twelve is 530 students.

SAU #67

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Curriculum

The emphasis of our curriculum is meant to provide students with a rigorous and relevant approach to their learning. We intend to develop students who are independent thinkers who use their minds well. The process of learning is embraced with the same vigor as its product. We believe that **interdisciplinary curriculum** prepares students to become skilled, knowledgeable, and motivated life-long learners. **Classes are not tracked and are heterogeneously grouped.** Students have the opportunity to choose from an extensive number of courses for a school population of 522. We operate a modified, alternating day, block schedule.

Unique Programs

Humanities may be defined as the study of the liberal arts: literature, art, music, history, government and philosophy. The three required Humanities courses are taught through an interdisciplinary approach, using team-teaching involving two or more teachers (one English, one Social Studies) and faculty in our art and music departments.

Studies in the Humanities –which includes English, US & NH Government & Civics, Economics

American Studies – which includes English, US & NH History, Art/Music

World Studies - which includes English, World History/Geography, Economics, Art/Music

Integrated Algebra I: the primary focus of this course is algebra infused with geometric thought and probability and statistics.

Integrated Geometry: the primary focus of this course is geometry infused with algebraic thought.

Integrated Algebra II: the primary focus of this course is algebra. Students are asked to solve problems that incorporate many math topics not limited to algebra.

The next course in this sequence would be Pre-Calculus and then Calculus or AP Calculus or Probability and Statistics. Typical scenarios of 4 years of math are as follows:

<i>Gr. 9</i>	<i>Gr. 10</i>	<i>Gr. 11</i>	<i>Gr. 12</i>
Int. Alg. 1	Int. Geom.	Int. Alg. II	Pre-Calculus
Int. Alg. 1	Int. Geom.	Int. Alg. II	Prob. & Stats.
Int. Geom.	Int. Alg. II	Pre-Calculus	Calculus
Int. Geom.	Int. Alg. II	Pre-Calculus	AP Calculus

Integrated Science is a sequence of two required courses, which challenge students to develop and apply integrated **physical science, earth and space science, biology and technology related skills and knowledge.** Successful completion of these courses provides the student with a full year of physical science and a full year of biology. Students completing these two courses go on to chemistry, physics, anatomy and physiology, biotechnology and AP science courses.

Building Essential Skills for Tomorrow

(B.E.S.T.) is a two and a half-year integrated health/wellness, physical education, and career development curriculum, which is required of all students. The program is designed to promote life-long health, wellness, physical fitness and career development among all students. It is intended to provide students with the skills necessary to develop and maintain a healthy lifestyle into adulthood. This course meets NH state requirements for P.E. and Health education.

Sr. Seminar/Senior Project is a required semester-long senior course which is intended to provide seniors with the opportunity to research and experience an interdisciplinary topic of their choice, demonstrating knowledge and public presentation skills. Seniors exhibit the knowledge and skills they have acquired through their tenure in the Bow School District through a comprehensive senior project community presentation and research component. This course is awarded English credit as well.

Project Lead the Way is an engineering program where students use math, science, and technology to solve problems. Engineering students at Bow experience college level coursework with an option to earn course credit from the Rochester Institute of Technology. The courses are from a national high school engineering program, Project Lead the Way (PLTW). More information about PLTW can be found at www.pltw.org Students do **NOT** need to commit to the entire engineering program of

courses. Typical students are interested in engineering or in using some of the most advanced technology in high schools to solve problems with a hands-on approach.

Bridges is a program designed to assist students who may be considered at risk of dropping out of school. The goal of the program is to ensure that students experience a level of academic success and personal success that will assist them in leading productive, responsible adult lives.

Honors Option/Honors Challenge It is the intention of Bow High School to **challenge all students** academically. For students who choose to challenge themselves beyond the general curriculum requirements, we offer an honors option. Students may choose to complete an honors challenge in any of their courses. Upon successful completion students will receive an honors option designation (*) on their transcript.

Intersession is a unique three-day learning experience, which allows students the opportunity to explore interests outside of the confines of the school curriculum. Activities are planned, organized and supervised by BHS staff. Intersession participation is recorded on the transcript as SP-Successful participation, EP-Excused or exempt participation or NP-Non participation.

Bow High School offers an extensive exchange program with China.

Distribution of Grade Point Average for the Class of 2014

It is vital for us to share the distribution of the Class of 2015 GPA's. This year's senior class is a highly motivated and focused group. Over half of the students in the Class of 2015(70/111) have a GPA of a 3.0 or higher.

N = 111
 Mean GPA = 3.2075
 Median GPA = 3.298

Beginning with the class of 2007 we no longer rank our students.

Important Information

GRADING SYSTEM & DEFINITIONS		
A+ = 97-100	A = 93-96	A- = 90-92
B+ = 87-89	B = 83-86	B- = 80-82
C+ = 77-79	C = 73-76	C- = 70-72
-- Below 70 is failing --		

GRADE POINT AVERAGE SCALE		
4.3 = A+	4.0 = A	3.7 = A-
3.3 = B+	3.0 = B	2.7 = B-
2.3 = C+	2.0 = C	1.7 = C-

GRADUATION REQUIREMENTS
24 Credits
NON CREDIT REQUIREMENTS
Senior Project/Presentation Sophomore Project/Presentation Community Service – 20 hours Career Exploration/Internship – 20 hours

ADVANCED PLACEMENT COURSES
AP Biology AP Calculus AP Chemistry AP Computer Science AP English Language and Composition AP English Literature and Composition AP European History AP Macroeconomics AP Physics AP Psychology AP United States History

STUDENTS GOING ON TO 4 YR/2YR SCHOOLS				
Class of:	2011	2012	2013	2014
4-Year Colleges	81%	70%	76%	70%
2-Year Colleges	12%	15%	18%	17%
Other Programs	2%			8%
Military				1%
Total Colleges	95%	85%	93%	96%

AVERAGE SAT RESULTS CLASS OF 2014			
	Bow	NH	National
Reading	538	524	497
Math	551	530	513
Writing	533	512	487

AVERAGE ACT RESULTS CLASS OF 2014			
	Bow	NH	National
Composite	25.4	24.2	21

AP RESULTS	
2014 results (78 students taking 124 tests)	
% of students with a grade of 5:	12.9
% of students with a grade of 4:	18.5
% of students with a grade of 3:	28.2

Colleges that offered admission to the Class of 2014



Adelphi University, American University, Anna Maria College, Arizona State University, Assumption College, Babson College, Bates College, Becker College, Bemidji State University, Bentley University, Binghamton University, Bishop's University, Boston College, Boston University, Brandeis University, Bridgton Academy, Bryant University, California Polytechnic State University, San Luis Obispo, Carthage College, Case Western Reserve University, Castleton State College, Champlain College, Clarkson University, Colby College, Colby-Sawyer College, Colgate University, College of Charleston, College of the Holy Cross, Colorado State University, Concord University, Cornell University, Dalhousie University, Dartmouth College, DePaul University, Dickinson College, Drexel University, Elizabethtown College, Elon University, Emmanuel College, Empire Beauty School-Portsmouth Campus, Endicott College, Florida Institute of Technology, Fordham University, Framingham State University, Franklin Pierce University, George Mason University, Georgetown University, Georgia Institute of Technology, Green Mountain College, Hampshire College, Hartwick College, High Point University, Hofstra University, Ithaca College, James Madison University, Johns Hopkins University, Johnson & Wales University (Providence), Keene State College, Lafayette College, Lehigh University, Lesley University, Loyola University Maryland, Maine College of Art, Manchester Community College (NHCTC-Manchester), Marymount University, Massachusetts Institute of Technology, McGill University, Mercy College, Merrimack College, Middlebury College, Montana State University, Bozeman, Mount Ida College, National Aviation Academy, New England College, New Hampshire Institute of Art, New York University, NHTI - Concord's Community College, Northeastern University, Northern Essex Community College, Norwich University, Pace University, New York City, Paul Smith's College, Plymouth State University, Providence College, Purdue University, Quinnipiac University, Reed College, Regis College, Rensselaer Polytechnic Institute, Roanoke College, Rochester Institute of Technology, Roger Williams University, Sacred Heart University, Saint Anselm College, Saint Joseph's College-ME, Saint Michael's College, Salve Regina University, San Diego State University, Simmons College, Skidmore College, Southern New Hampshire University, St. Lawrence University, State University of New York – Plattsburgh, Stonehill College, Suffolk University, Syracuse University, Temple University, The George Washington University, The University of Northwestern Ohio, The University of Tampa, Towson University, Tufts University, Tufts University - School of The Museum of Fine Arts, Union College, Unity College, University of Colorado at Boulder, University of Connecticut, University of Delaware, University of Denver, University of Hartford, University of Maine, University of Maine at Farmington, University of Maryland, College Park, University of Massachusetts, Amherst, University of Massachusetts, Boston, University of Mount Union, University of New England, University of New Hampshire, University of New Hampshire at Manchester, University of New Hampshire, Thompson School of Applied Science, University of New Haven, University of North Carolina at Charlotte, University of Oregon, University of Pennsylvania, University of Rhode Island, University of Richmond, University of San Diego, University of South Florida, St. Pete, University of Southern Maine, University of Utah, University of Vermont, University of Virginia, University of Wyoming, Ursinus College, Vassar College, Villanova University, Virginia Commonwealth University, Wagner College, Wake Forest University, Wentworth Institute of Technology, Wesleyan University, Western New England University, Westfield State University, Westminster College, Wheaton College IL, Wheaton College MA, Widener University, William Paterson University of New Jersey, Worcester Polytechnic Institute