



Bow High School

32 White Rock Hill Rd.

Bow, NH 03304

CEEB # 300059

Phone (603) 228-2210

Fax (603) 228-2212

www.bownet.org

Profile 2011-2012

Bow High School is a comprehensive public school located south of Concord, New Hampshire. The town of Bow is a rural residential community of approximately 7500 residents.

In this, our fifteenth 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 2012 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 528 students.

SAU #67

Dr. Dean Cascadden, Superintendent
Duane Ford, Business Administrator

SAU Phone: (603) 224-4728

John House-Myers, Principal
jhmyers@bownet.org

Gay Longnecker, Assistant Principal
glongnecker@bownet.org

Colleen DesRuisseaux, Director of Guidance
cdesruisseaux@bownet.org

Jacqueline Coe, Dean of Humanities
jcoe@bownet.org

Donald Gage,
Dean of Math, Science, Technology & Business
dgage@bownet.org

Jim Kaufman, Athletic Director
jkaufman@bownet.org

Maegan Hoberman, School Counselor
mhoberman@bownet.org

John Farese, School Counselor
jfarese@bownet.org

Martha Rae, High School Registrar
mrae@bownet.org

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 582. 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 – English 9 (including Romantic Literature and Shakespeare) and Social Studies 9 (including Government and Economics)

American Studies – English 10 (including American Literature) and US History

World Studies – English 11 and Social Studies 11 (Asian, African and South American History, Literature and Culture/Government)

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, 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 extensive exchange programs with China and Denmark in alternate years.

Distribution of Grade Point Average for the Class of 2012

It is vital for us to share the distribution of the Class of 2012 GPA's. This year's senior class is a highly motivated and focused group. Over half of the students in the Class of 2012(73/120) have a GPA of a 3.0 or higher. The median GPA is 3.19.

N = 120
 Mean GPA = 3.11
 Median GPA = 3.19

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

| STUDENTS GOING ON TO 4 YR/2YR SCHOOLS | | | | |
|---------------------------------------|------|------|------|------|
| Class of: | 2008 | 2009 | 2010 | 2011 |
| 4-Year Colleges | 89% | 80% | 79% | 81% |
| 2-Year Colleges | 5% | 18% | 10% | 12% |
| Post Grad Year | | 1% | 1% | 2% |
| Total Colleges | 94% | 99% | 90% | 95% |

| AVERAGE SAT RESULTS CLASS OF 2011 | | | |
|-----------------------------------|-----|----------|-----|
| | Bow | National | NH |
| Reading | 531 | 497 | 523 |
| Math | 538 | 514 | 525 |
| Writing | 523 | 489 | 511 |

| AP RESULTS |
|--|
| 2011 results (100 students taking 147 tests) |
| % of students with a grade of 5: 15 |
| % of students with a grade of 4: 31 |
| % of students with a grade of 3: 44 |

Colleges that offered admission to the Class of 2011



Acadia University, Alfred University, The American Musical and Dramatic Academy, American University, Amherst College, Anna Maria College, Arizona State University, Assumption College, Babson College, Baldwin-Wallace College, Barnard College, Barry University, Bates College, Bay State College, Becker College, Belmont University, Bennington College, Bentley University, Boston College, Boston Conservatory, Boston University, Bowdoin College, Brandeis University, University of British Columbia, Brown University, Bryant University, University of California at Santa Barbara, California State University, Long Beach, Calvin College, Carleton College, Carnegie Mellon University, Castleton State College, The Catholic University of America, Cedarville University, University of Central Florida, Champlain College, Chapman University, Chestnut Hill College, University of Chicago, University of Cincinnati, Clark University, Clarkson University, Clemson University, Coastal Carolina University, Colby College, Colby-Sawyer College, Colgate University, University of Colorado at Boulder, University of Colorado at Denver, Colorado School of Mines, Colorado State University, Columbia College, Columbia University, Connecticut College, University of Connecticut, Cornell College, Cornell University, Curry College, Dartmouth College, University of Delaware, Denison University, University of Denver, Dickinson College, Drexel University, East Carolina University, Eastern Connecticut State University, Eastern Kentucky University, Eastern Nazarene College, Eckerd College, Elizabethtown College, Elmira College, Elon University, Embry-Riddle Aeronautical University – FL, Emerson College, Emmanuel College, Emory University, Endicott College, Fairfield University, Fisher College, Florida Institute of Technology, Florida State University, University of Florida, Fordham University, Franciscan University of Steubenville, Franklin Pierce University, Gardner-Webb University, George Mason University, The George Washington University, Gettysburg College, Gordon College, Goucher College, Great Bay Community College (NHCTC-Portsmouth), Green Mountain College, Grove City College, Hamilton College – NY, Hampshire College, University of Hartford, Hartwick College, Harvard University, Hastings College, Hesser College, High Point University, Hobart and William Smith Colleges, Hofstra University, College of the Holy Cross, Hood College, Husson University, Illinois Institute of Technology, Ithaca College, James Madison University, Johns Hopkins University, Johnson & Wales University, Johnson State College, Keene State College, Knox College, La Salle University, Lakes Region Community College (NHCTC-Laconia), Lasell College, Le Moyne College, Lees-McRae College, Lehigh University, Lesley University, Lewis & Clark College, Liberty University, Life Pacific College, Loyola University Maryland, Lynchburg College, Lynn University, Macalester College, University of Maine at Farmington, University of Maine, Manchester Community College, Manchester Community College (NHCTC-Manchester), Marist College, University of Mary Washington, University of Maryland, College Park, Massachusetts College of Pharmacy & Health Sciences, Massachusetts Institute of Technology, University of Massachusetts, Amherst, University of Massachusetts, Boston, University of Massachusetts, Dartmouth, University of Massachusetts, Lowell, Merrimack College, Methodist University, University of Miami, University of Michigan, Middlebury College, University of Minnesota, Twin Cities, Mississippi State University, Montana State University, Bozeman, The University of Montana, Missoula, Montclair State University, Mount Ida College, New England College, New England Technical Institute (Hamden), University of New England, University of New England, University of New Hampshire at Manchester, University of New Hampshire, University of New Hampshire, Thompson School of Applied Science, University of New Haven, New York University, New York University - Abu Dhabi, Newbury College, NHTI - Concord's Community College, Nichols College, University of North Carolina at Asheville, University of North Carolina at Charlotte, University of North Carolina at Greensboro, Northeastern University, Northern Arizona University, Northland College, Northwestern University, Norwich University, University of Notre Dame, Nova Southeastern University, Oberlin College, The Ohio State University, Ohio Wesleyan University, Oregon State University, Otterbein University, Paul Smith's College, Pennsylvania State University, University Park, University of Pennsylvania, Philadelphia University, Pine Manor College, University of Pittsburgh, Plymouth State University, Point Loma Nazarene University, Point Park University, Princeton University, Providence College, Quinnipiac University, Rensselaer Polytechnic Institute, Rhode Island College, University of Rhode Island, University of Richmond, Rivier College, Roanoke College, Rochester Institute of Technology, University of Rochester, Roger Williams University, Sacred Heart University, Saint Anselm College, Saint Joseph's College-ME, Saint Michael's College, Salve Regina University, University of San Diego, Sewanee: The University of the South, Siena College, Simmons College, Skidmore College, Smith College, South Carolina State University, Southern Connecticut State University, Southern Maine Community College, University of Southern Maine, Southern New Hampshire University, St. Andrews Presbyterian College, St. John Fisher College, St. Lawrence University, State University of New York – Plattsburgh, State University of New York at New Paltz, Stetson University, Stonehill College, Suffolk University, SUNY College at Oneonta, Susquehanna University, Syracuse University, The University of Tampa, Temple University, University of Tennessee, Knoxville, Trinity College, Tufts University, Tulane University, United States Military Academy, Universal Technical Institute, University at Buffalo, The State University of New York, The University of the Arts, Valparaiso University, Vassar College, Vermont Technical College, University of Vermont, Villanova University, Virginia Commonwealth University, Virginia Polytechnic Institute and State University, University of Virginia, Washington University in St. Louis, Wellesley College, Wentworth Institute of Technology, Western Michigan University, Western New England University, Westfield State University, Wheaton College MA, Widener University, College of William and Mary, Williams College, Wittenberg University, The College of Wooster, Worcester Polytechnic Institute, Worcester State University, Wright State University, Youngstown State University