

Granite State Arts Academy



Course Catalog
2020-21

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GRANITE STATE ARTS ACADEMY (GSAA) GRADUATION REQUIREMENTS

(voted by Board of Trustees, 10/11/16)

To graduate from Granite State Arts Academy all students must earn passing grades and receive the following academic credit as listed:

A minimum of 26 High School Credits in the following areas

Arts	6.0 Credits
English / English Language Arts	4.0 Credits
Mathematics	3.0 Credits
Social Studies	3.0 Credits
Science	2.0 Credits
Wellness	1.5 Credits
Electives *	6.5 Credits
Total	26.0 Credits

Note- Students who intend to apply to college should consult in advance with Guidance on their course selections to ensure that the courses taken at GSAA meet the minimum requirements of a college’s admission standards. There is a recommended chart at the end of this document.

- Even though it is not a graduation requirement, students are strongly encouraged to take at least one credit in World Languages before graduation for colleges that require it. Many selective colleges require a World Language to be taken to the third level of proficiency (e.g. Spanish III)

Other Information

- Transfer students to GSAA in Grade 11 or Grade 12 must meet these above graduation requirements in combination with their previous school with the following exception for the GSAA Art requirement.
- A student who transfers into GSAA in grade 11, must take 3 Art Credits over their last two years. A student who transfers into GSAA in grade 12, must take 1 Art Credit before graduation.
- Students with parental permission may request to substitute a VLACS online course for a failed course to receive credit recovery. Permission must be granted by the Head of School for this. To receive this credit, a student must receive a passing grade in the VLACS Course and it must be completed by June 30 of the school year in which the VLACS course is taken. If the course was taken during the summer for credit recovery, it must be completed by October 1.
- A student who wishes to substitute a VLACS online course for something other than recovery must seek permission from the Head of School after consulting with Guidance.

Required student course load

Unless there are extenuating circumstances as determined by the Head of School, each student is required to maintain the following to be considered a student at GSAA:

- A student must be actively present while attending GSAA. No part-time status is allowed. All students must be enrolled in 6 credits per academic year regardless of their credit total. Even students who have already met the graduation requirements. A student must take at least 3 credits per semester, but freshmen and sophomores should take 4 credits to achieve a total of 26 credits by their graduation date.
- The only exception to this rule pertains to students who are approved for Dual Enrollment at a college, university, or Community College. Dual Enrollment must be applied for in the semester preceding the intended enrollment semester.
- In grade 9-11, students must take 4 credits per semester (wherever possible).

Dual Enrollment

At present, GSAA has articulation agreements with a number of schools of higher education which offers Dual Enrollment. GSAA will attempt to work this out on a case-by-case basis between students and schools of higher education. Permission for Dual Enrollment must be given by the Head of School after a discussion with parents, Guidance, and the school of higher education.

Early Graduation

Unless there are extenuating circumstances students may not graduate until June of their senior year at GSAA. Permission for early graduation must be given by the Head of School with an extensive discussion between parents and Guidance and then approved by the Board of Trustees.

Recommended Credits required for Schools of Higher Education*

Type of School	English	Soc. Studies	Mathematics	Science	World Languages
2-Year College	4	3	3	3	1-2
4-Year College	4	3	3-4	3-4	2-4
Highly Selective 4-Year College	4	4	4-5	4-5	3-4

*Please consult your specific school for college credit requirements. These credits vary with the intended area of specialization as well as the demands for each school.

Dance

Level 1 Dance Courses

Introduction to Dance

1 credit, (Art)

Prerequisites: None

In this course, students learn the basics of Classical Ballet, Jazz and Modern dance. The students focus on and practice proper alignment, correct technical execution of steps learned and performance quality. Dance composition and improvisational movement are also introduced. Prior knowledge of dance is not a requirement. There is a dance showcase at the ending of the semester.

Dance History

1 credit, (Art), Not offered every year

Prerequisites: None

Dance history is a course that will focus on the development of dance through the twenty-first century. Students will explore social dance, concert dance, and popular/contemporary dance forms through work that will allow them to connect, create, respond and perform. Through movement, video analysis, research, and writing, students will study the roles that dance, and movement have played in history as well as the impact of society and culture on dance through time. Students in this class will participate in a semester-ending dance performance.

World Dance

1 credit, (Art), Not offered every year

Prerequisites: None

World dance is an introductory course designed to survey dances of selected cultures. The idea of what dance means to different cultures is studied and analyzed. Through movement experiences and lecture, students will gain the technique and understanding necessary to perform a selected cultural dance. Students will participate in a semester-ending dance performance.

Level 2 Dance Courses

Intermediate Dance 1

1 credit, (Art)

Prerequisites: Intro. to Dance or by permission from the instructor with a demonstration of prior experience.

In Intermediate Dance 1 the students focus on improving their technique and performance quality in the disciplines of Classical Ballet, Jazz, and Modern dance. The students also learn about various concepts of dance composition and experiment with improvisational movement. Prior knowledge of dance is required. A dance showcase will be performed at the end of the semester.

Intermediate Dance 2

1 credit, (Art)

Prerequisites: Intermediate Dance 1 or by permission from the instructor (with a demonstration of prior experience.)

Intermediate Dance 2 is a continuation of skills learned in Intermediate Dance 1. In this class, the students focus on improving their technique and performance quality in the disciplines of Classical Ballet, Jazz, and Modern dance. The students also learn about various concepts of dance composition and experiment with improvisational movement. As a part of this class, the students choreograph a collaborative dance piece to be performed in the dance showcase at the end of the semester.

Dance Technique

0.5 credit, (Art)

Prerequisites: Intro. to Dance

The focus of this class is to build a strong technical foundation in classical ballet, jazz and modern dance. The emphasis will be on proper alignment, building strength throughout the entire body and working towards developing greater flexibility. The students will be required to perform one dance piece in the showcase at the end of the semester.

Level 3 Dance Courses

Advanced Dance 1

1 credit, (Art)

Prerequisites: Intermediate Dance 2

This class focuses on developing the strength and flexibility needed to perform more complex dance movements in the disciplines of Ballet, Jazz and Modern dance. A more in-depth study of dance composition and improvisational movement is included. A dance showcase is performed at the end of the semester.

Advanced Dance 2

1 credit, (Art)

Prerequisites: Advanced Dance 1

Advanced Dance 2 is a continuation of skills learned in Advanced Dance 1. This class focuses on developing the strength and flexibility needed to perform more complex dance movements in the disciplines of Ballet, Jazz and Modern dance. A more in-depth study of dance composition and improvisational movement is included. Each student in this class demonstrates their skills and knowledge learned by being the lead choreographer for a dance piece that will be performed in the dance showcase at the end of the semester.

Advanced Dance 3

1 credit, (Art)

Prerequisites: Advanced Dance 2

Advanced Dance 3 is a continuation of skills learned in Advanced Dance 2. This class focuses on developing the strength and flexibility needed to perform more complex dance movements in the disciplines of Ballet, Jazz and Modern dance. There is a focus on performance quality and artistic expression. A more in-depth study of dance composition and improvisational movement is included. Dancers will perform and showcase their student-choreographed pieces in a performance for the school. There will also be an end of semester dance performance.

Dance Composition

1 credit, (Art), Not offered every year

Prerequisites: Intermediate Dance 2

Dance Composition is an exploration of movement and an in depth study of the art of making dances. In this class the students will focus on applying the four basic elements of dance(space, shape, time and energy) to create choreography. Students participating in this class will choreograph a dance piece for the end of the semester showcase.

Dance Pedagogy

1 credit, (Art), Not offered every year

Prerequisites: Intermediate Dance 2

Dance Pedagogy is a class designed to give students the applied knowledge needed to teach dance to young children through adults. Included in the curriculum is an overview of basic anatomy and injury prevention. Students learn how to develop and present all of the aspects of a dance class. The focus will be on learning to teach Creative Movement, Classical Ballet, Jazz, and Modern Dance.

English

English NH State Requirements

Grade 9- English 9 (1 Credit) ~ Grade 10-English 10 (1 Credit)

Grade 11-English 11 (1 Credit) ~ Grade 12-English 12 (1 Credit)

English-9

1 credit, English, required

Prerequisites: English 8

English 9 focuses on a survey of all genres of literature. Students will be expected to approach all in and out of class readings with a critical mind and a willingness to respond in class discussions as well as in written form. There will be a wealth of writing opportunities that will build upon skills from past English classes as well as the acquiring of new skills. Class readings are constructed around a balance of fiction and non-fiction. Homework and independent reading is to be expected. Students need to also be prepared to read, *Macbeth* by William Shakespeare. Expected class novels will possibly be: *The Book Thief* by Markus Zusak and *I Am Malala*.

English-10

1 credit, English, required

Prerequisites: English 9

This course introduces students to more advanced writing and communication skills, using American and International literature as the medium for analysis. Students explore a variety of historical nonfiction and fiction texts, with a major comparative literary project assigned at the midway point. Students also read, respond, and create several genres during their studies, including drama, poetry, creative nonfiction, and fiction. Writing projects include formal descriptive, process, and narrative essays, as well as creative writing. Arts integration of this course includes theatrical dramatic readings and investigation into related musical selections related to the material being studied.

English 11

1 credit, English, required

Prerequisites: English 10

English 11 will have a strong focus on great works of American Literature as well as important United States documents. Students will be expected to approach said literature with a critical mind and a willingness to respond in class discussions as well as in written form. There will be a wealth of writing and research opportunities that will build upon skills from past English classes as well as the acquiring of new skills. Class readings are constructed around a balance of fiction and non-fiction. Homework and independent reading is to be expected. Some authors that will be featured are: Edgar Allan Poe, Nathaniel Hawthorne, Jonathan Edwards, William Faulkner, Shirley Jackson, and Emily Dickinson. Class novels will be: *The Great Gatsby* by F. Scott Fitzgerald, *Frankenstein* by Mary Shelley, *The Color*

Purple by Alice Walker, and *the Autobiography of Martin Luther King Jr.* Students in English 11 also read *The Crucible* by Arthur Miller.

English 12

1 credit, English, required

Prerequisites: English 11

English 12 will have a strong focus on great works of British Literature. Students will be expected to approach said literature with a critical mind and a willingness to respond in class discussions as well as in written form. There will be a wealth of writing opportunities that will build upon skills from past English classes as well as the acquiring of new skills. Class readings are constructed around a balance of fiction and non-fiction. Homework and independent reading is to be expected. Some authors that will be featured are: William Shakespeare, Jonathan Swift, Geoffrey Chaucer, John Milton, Jane Austen, and others.

NHTI Dual Enrollment Class/ English Composition (Honors)

1 credit

Prerequisites: Teacher Recommendation

The course will have a strong focus on higher level, college writing. You will earn not only credit towards the GSAA graduation requirements but also college credit at NHTI. The design of the class will focus on the mastering of dynamic concise prose, the stylistic elements of the essay, research skills, argumentative skills in both writing and speaking, and MLA formatting.

Creative Writing (an English elective)

1 credit

Prerequisites: None

This course consists of a round-table, peer review environment, with lessons in various writing techniques and skills. Students will create a portfolio of work with the end goal of inspiring submission to literary publications if the desire exists. Classes will cover fiction, memoir, poetry, persuasive essays, and a variety of expressive forms traditional with the area of study. Arts integration involves illustrating selected student-generated texts for further dissemination, graphic layouts, and cover art. Part of the course will include a core Writer's Group to support young authors.

Myths & Legends

0.5 credit, Not offered every year

Prerequisites: None

One half of semester is Mythology, with a review but not a focus on Greek Myths, the focus will be on other cultures such as Mesopotamian, Egyptian, Norse, and Aztec, among others.

Second half of semester is legends such as *The Legend of Sleepy Hollow*, legends surrounding *King Arthur*, and ends with a study of the evolution of Urban Legends.

British Literature NHTI (an English elective)

0.5 credit

Prerequisites: Junior or Senior

This course traces the development of British literature from the Middle Ages through the early eighteenth century and includes readings in poetry, essay, and drama. Authors' works will be examined within the cultural contexts in which they were created. This is a dual enrollment class with NHTI.

Yearbook (an English elective)

0.5 credit

Prerequisites: None

This course is designed to develop students' skills in the production of the GSAA Yearbook by providing experiences in selected aspects of yearbook production. This course is open to students in all grade levels. Students learn basic principles of yearbook production and develop skills that include writing copy, captions and headlines, digital photography, desktop publishing and using appropriate technology tools for media production. The school yearbook will be completed on or about May 1. During the remainder of the school year, the students will use their yearbook production skills to create a personal yearbook. Yearbook production supports student's development as writers, photographers, editors, independent users of technology. The course meets one period per week during school time with the teacher and one period per week after school. Students do their yearbook production work during study periods, free time or at home. The course is graded.

Comics Media(an English elective)

0.5 credit

Prerequisites: None

Comics have exploded in popularity in recent years, redefining our understanding of both art and literature. Read "Understanding Comics," "MAUS" and other acclaimed graphic novels and short-form comics, analyze the techniques that comics use to convey action, drama and comedy, and use these techniques in making your own short-form comics.

World Language

Spanish 1

1.0 credit

Prerequisites: None

This introductory course is designed to expose students to the language and cultures of the Spanish-speaking world. There is a strong emphasis on vocabulary acquisition and verb conjugation at this level. Students learn to develop and utilize the Spanish Language in an academic context of understanding and comparing Language and Culture. In addition, students make connections through world language by engaging in introductory level conversation, providing and obtaining information, expressing feelings and emotions, and exchanging opinions. This course will be instructed utilizing a Multi-modality approach and an Arts Integrated Curriculum.

Spanish 2

1.0 credit

Prerequisites: Spanish 1

This course is designed for students who have successfully completed Spanish 1 to continue in developing proficiency in the four modalities of language learning: listening, speaking, reading and writing. Students will further develop vocabulary acquisition and verb conjugation as well as emerge in their understanding of and interpreting spoken and written language. Students will learn to ask and answer simple questions as they learn to communicate about a wide variety of topics. Students refine their skills by making and responding to inquiries. Spanish Culture and History will continue to be explored. This course will be instructed utilizing a Multimodality approach and an Arts Integrated Curriculum.

Spanish 3

1.0 credit

Prerequisites: Spanish 1 & Spanish 2

This advanced course is designed for students who have successfully completed Spanish 1 and Spanish 2. The course focuses on Spanish conversation and dialogue. Spanish will be used as much as possible during classroom instruction and student interaction. Students will demonstrate proficiency in the four modalities of language learning: listening, speaking, reading, and writing. Students will respond orally to prompts. Students will comprehend authentic material and various media sources in the Spanish language. Students present information and topics. Spanish Culture and History will continue to be explored through language and open dialogue. Students become independent users and create with the language. This course will be instructed utilizing a Multi-modality approach and an Arts Integrated Curriculum.

Health/Physical Education

NH State Requirements:

Health-0.5 Credits, Physical Education-1.0 Credits

Physical Education

1 credit

Prerequisites: None

Students will participate in a variety of fitness activities to improve their personal level of fitness. Physical Education focuses on Movement Skills - fundamental skills or various activities and Physical Fitness - attention to endurance, strength, agility, and flexibility. This course is designed to investigate and apply the basic concepts and principles of physical fitness and other health-related factors. Students will learn to improve their personal level of fitness as well as appreciate and understand the value of Physical Education and its relationship to a healthy, active lifestyle. Emphasis is placed on wellness through experiences in fitness and exercise.

Health

0.5 credit

Prerequisites: None

Students will comprehend concepts related to health promotion and disease prevention, analyze the influence of family, peer, culture, media, technology and other factors on health behaviors, demonstrate the ability to access valid health information, products and services, demonstrate the ability to use interpersonal communication skills to enhance health and avoid or reduce health risks, demonstrate the ability to use decision making skills to enhance health, demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health related risks, and demonstrate the ability to advocate for personal, family and community health. This comprehensive curriculum is geared to enable students to promote a Tobacco, Alcohol and Other Drug-free lifestyle, along with promoting Total Personal Health and Wellness, Sexual Health and Environmental Health, Nutrition Part I, Safety and reducing the risks of Unintentional Injury, Mental Health, Emotional Health and Public Health. This course addresses top adolescent priority risk behavior topics while educating students on self advocacy in order to make healthy choices for their overall health. Students will be instructed in balancing Physical, Mental, Social and Emotional Health. Emphasis is placed on The Health Skills. The overall goal for this course is to help enable students to make decisions, learn how to refuse and make educated choices that have Healthy Behavioral Outcomes.

Mathematics

Math Requirement: 3 Full Credits of Math (must include Algebra 1)

Pre-Algebra

1 credit

This course will be a blend of Pre-algebra and Algebra 1. The first half of Part 1 is dedicated to strengthening the skills learned in Pre-Algebra. Topics could include Real Numbers, Algebraic Expressions & Equations, Ratios, some Geometry, Time will also be spent on strengthening arithmetic skills (adding, subtracting, multiplying, and dividing), especially working with fractions and decimals. The second half of Part 1 will dive into Algebra 1. Algebra 1 provides an opportunity for students to practice logical and abstract reasoning skills. Part 2 will include a review of Part 1 and the rest of Algebra 1. Topics include: working with variables, functions, graphing, inequalities, equation solving, and number systems. Emphasis is placed on the application of skills.

Algebra 1

1 credit

Prerequisite: Pre-Algebra or 8th Grade Math

In the transition from arithmetic to algebra, the attention shifts from arithmetic operations to use of the properties of these operations. Algebra I is a challenging course that lays the foundation needed for subsequent courses in math and science. This course provides an opportunity for students to practice logical and abstract reasoning skills. Topics include: working with variables, functions, graphing, inequalities, equation solving, and number systems. Emphasis is placed on the application of skills.

Geometry

1 credit

Prerequisite: Algebra 1

The Geometry course includes an in-depth analysis of plane, solid, and coordinate geometry as they relate to both abstract mathematical concepts as well as real-world problem situations. Topics include logic and proof, parallel lines and polygons, perimeter and area analysis, volume and surface area analysis, similarity and congruence, and trigonometry. Emphasis will be placed on developing critical thinking skills as they relate to logical reasoning and argument.

Algebra 2

1 credit

Prerequisite: Algebra 1 & Geometry

This course is designed to build on algebraic and geometric concepts. It develops advanced algebra skills such as systems of equations, advanced polynomials, imaginary and complex numbers, quadratics, and concepts and includes the study of trigonometric functions. The course also includes operations with functions; the study of polynomial, rational, exponential, and logarithmic functions and their graphs; sequences and variation.

Pre-Calculus

1 Credits

Prerequisites: Successful Completion of Algebra II and Teacher Recommendation

Pre-Calculus is a course that extends and integrates the learning from both Geometry and Algebra 2 courses. It provides an in-depth, rigorous study of functions and their properties. Functions to investigate include Linear, Quadratic, Polynomial, Rational, Radical, Piece-wise, Exponential, Logarithmic, and Trigonometric. Representations and analysis of these topics will occur numerically, algebraically, and/or graphically (both with & without technology).

Additional topics to be covered as time permits include Vectors, Law of Sines & Cosines, Polar Coordinate System, Parametric Equations, Analytic Geometry, and Sequences & Series.

Consumer Math/Personal Finance

1 Credits

Prerequisites: 3 math credits/Seniors only

This course teaches financial literacy. Topics include: setting financial goals, purchasing a car, buying a home, budgeting, paying bills, credit, debt, taxes, banking, interest, insurance, saving and investing. Development of financial literacy skills can help provide the basis for responsible citizenship and career success. Students learn skills in creating budgets, developing long-term financial plans to meet their goals, and making responsible choices about income and expenses.

Music Department

Intro to Music

0.5 Credit

Prerequisite: None

Intro to Music is designed for students with little to no formal training in music. This course provides a general introduction to many different aspects of music, including active listening, reading music, and basic singing/instrumental techniques. Students will gain a greater appreciation for music and improve upon their own capabilities in an accepting, constructive environment.

Chorus

0.5 Credit (1 Credit if taken for the full year)

Prerequisites: None

Through membership in the GSAA Chorus, students will better themselves as musicians, choristers, and vocal health experts. Areas of focus will include vocal technique, the difference between solo and ensemble singing, music literacy, and singing in foreign languages. Our repertoire includes music from a diverse group of genres, including but not limited to spirituals, popular music, art music, and musical theatre.

Instrumental Ensemble

0.5 Credit (1 Credit if taken for the full year)

Prerequisite: Students must have the ability to read music notation.

Through membership in the GSAA Instrumental Ensemble, students will better themselves as musicians, bandmates, and masters of their instruments. Areas of focus will include ensemble technique, music literacy, and stylistic accuracy. Our spring 2020 repertoire will include music from a diverse group of genres, including but not limited to popular music, folk music, and both traditional and contemporary art music.

Rock Ensemble

0.5 Credit (1 Credit if taken for the full year)

Prerequisite: Enrollment in either Chorus or Instrumental Ensemble

Through membership in the GSAA Rock Ensemble, students will better themselves as musicians, collaborators, and professionals. Areas of focus will include choosing repertoire in specific situations, arranging music, self-sufficiency in

live sound, and performance. This class is not an open jam session, but rather an academic course in which students will learn the intricacies of being a working musician in the 21st century.

Music Theory I

0.5 credit/

Prerequisite: Intro. To Music (or teacher's permission)

Music Theory 1 is an intermediate-level music theory course. Topics will include interval identification, scale structure, and chord construction, as well as ear-training and sight-singing exercises. Long-term assignments will include composition and transcription assignments.

Music Theory II

0.5 credit

Prerequisite: Music Theory I (or teacher's permission)

Music Theory 2 is a direct continuation of Music Theory 1. This course will continue to build on the material learned in MT1 while also applying it to large-form analysis, such as phrase structure and musical form. Long-term assignments will include composition and transcription assignments of increased complexity.

Songwriting

0.5 credit

Prerequisite: Basic competency with either guitar or piano

This course is targeted at both aspiring and experienced songwriters and will cover pop/rock styles. Students will write original songs at a rigorous clip and adjudicate their classmates' work. In addition to composing original music, students will study songwriting techniques, analyze case studies, and expand their breadth of musical knowledge. While all influences are gladly welcomed, this course will not cover compositions for large ensembles (i.e. orchestral compositions, big band compositions, etc.).

Audio I: Acoustics and Intro to the Recording Studio

0.5 credit

Prerequisite: Completion of an introductory music course or permission from the department

This course will provide students with a basic working knowledge of acoustics, audio production, and audio equipment. Students will learn physical principles of sound, basic recording techniques, and how to use sound gear in both live and studio settings.

Audio II: Directed Study in Music Production

0.5 Credit

Prerequisite: Audio I

This course will provide students with an independent study to pursue guided audio projects. Students will work together with the instructor to develop assignments that inspire students and develop audio skills. Potential topics include beat production, serial podcasts, and live sound design.

Ear Training

0.5 Credit

Prerequisite: Ability to read music notation; basic proficiency with any instrument

Ear Training will challenge students to improve their aural skills in a pop- and jazz-focused environment. Students will learn to quickly and accurately identify intervals, keys, chords and chord progressions, scales and modes and melodic figures. Assignments will include notating and performing music by ear.

Science

NH State Science Requirements

9th- Physical Science (1 Credit), 10th- Biology (1 Credit)

Integrated Earth and Physical Science

1 credit, Science, required

Grade 9 (typically)

Prerequisites: None

All freshmen students will investigate: structure and properties of matter; physical and chemical changes; fundamental forces, their forms, and their effects on motion; energy, its transformations and interactions with matter; change occurring within the lithosphere, hydrosphere and atmosphere of the earth, and the earth's place in the solar system and universe. This student centered, activity-based course is intended to develop students' scientific and 21st century skills while exploring questions related to the earth and the universe. Students will collect and analyze data in order to solve problems using the scientific method. Laboratory work is usually performed in groups, but students will be responsible for writing individual lab reports as evidence of mastery of the concepts covered in the labs. Students will apply math and graphing skills. Reading and writing assignments are also an integral part of this class; therefore, students taking this class will develop stronger reading and writing skills. Students are expected to complete regular homework assignments. Topics: Introduction to chemistry, introduction to physics, meteorology, oceanography, geology, astrology.

Biology

1 credit, Science, required

Grade 10 (typically)

Prerequisites: None

This course and the laboratory component are designed to develop an understanding of biological principles. Topics include cell biology, ecology, evolution, and genetics. The course emphasizes the connections between living systems and their environment. Students will investigate biological concepts and connections through labs, activities, technological resources, and the scientific process. Students are expected to have retained much prior math, science, and data representation skills. Students are expected to seek help for general skills and knowledge that are not solid. Students are expected to demonstrate effective formal and informal communication of processes and ideas.

The study of Chemistry involves the integration of lab and problem-solving skills in a curriculum focused on the relationship between matter and energy. Students will be introduced to and investigate the following topics: properties and changes of matter, atomic and nuclear structure, periodicity, chemical bonding, stoichiometry, gas laws, solutions, equilibrium, and acid/base reactions. The application of measurement and mathematics will be used to support conceptual understanding and problem-solving. Chemistry lab will emphasize safe lab practices, data analysis, and the evaluation of lab results. The cumulative nature of this course will challenge students.

Environmental Science

0.5 credit, Grades 11 & 12

Prerequisite: None

Environmental Science is a **course** designed to show thematic connections between a variety of **science** disciplines including biology, chemistry, physics, oceanography and meteorology. It gives students a logical and realistic picture

of the applications of a variety of scientific concepts as they can be observed in our **environment**. This course will examine the impact of human activities on sustainability of our environment while exploring the basic principles and technologies that will support sustainability. We will learn about the potential for emerging energy technologies through water, wind, and solar power. Find out how today's businesses are adapting to the increased demand for environmentally sound and sustainable products and services.

Social Studies

Social Studies NH State Requirements is 3.0

Geography

0.5 credit, Grade 9

Prerequisites: None

World Geography is the study of the world's peoples, places, and environments, with a focus on world regions. Particular emphasis is placed on students' understanding and applying geographic concepts and skills to their daily lives. In this course, students will use geographic resources, inquiry, research, and technology skills to ask and answer geographic questions for an in-depth study of geography.

This Geography course will examine a broad range of geographical perspectives covering all of the major regions of the world. Each region will be reviewed in a similar structure in order for students to more clearly see the similarities and differences between each region. Specifically, the course will explore where each region is located along with its physical characteristics, including absolute and relative location, climate, and significant geographical features. The exploration will then continue on to look at each region from a cultural, economic, and political perspective, closely examining the human impact on each region from these perspectives as well as how human activities impact the environments of the region.

Western Civilization

0.5 credit, Grade 9

Prerequisites: None

Western Civilization is the study of developments which have shaped history and affected modern political, economic and social systems. The emphasis will be on the development of civilization and the evolution of modern nations from a Western perspective. This course introduces western civilization from prehistory to the early modern era. Topics include ancient Greece, Rome, and Christian institutions of the Middle Ages and the emergence of national monarchies in western Europe. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in early western civilization.

Civics

0.5 credit, Grade 10

Prerequisites: None

This course is designed to give students an understanding of civic ideals and practices that are important in a representative participatory democracy. It is important to understand the privileges and responsibilities of our citizenship and by combining the study of Civics and Political Science we can better demonstrate those goals. Students will participate in a debate, discussing representative democracy at the local(NH), state(NH) and federal levels, as well as other major competitive forms of government today existing in the world today. Print and media will be utilized together with presentations and guest speakers as part of the course. Essays, quizzes, participation, exercises, and homework will be the primary criteria for knowledge assessment and grading.

Economics

0.5 credit, Grade 10

Prerequisites: None

This course will instruct students on the fundamentals of macro and microeconomics affecting the world, national and local economies. Special focus includes personal financial stability, with lessons in banking, credit, budgeting, and small business management. Coursework includes simulation models, exercises, participation, and discussion. Project-based demonstration of knowledge can include artistic interpretations, 2-D, and 3-D modeling, and student suggested modes of knowledge dissemination. quizzes, participation, exercises, and homework will be the primary criteria for knowledge assessment and grading.

US History

1 credit, Grade 11

Prerequisites: None

This US History course begins by examining the pre-colonial aspects of the American landscape including North American, specifically NH, and South American explorers. The course progresses through colonization and the development of the American identity through peacetime and conflict. Students focus on not only the “what happened,” but also the “why it happened,” and “what happened next?” This course will dive into NH’s history in these specific time periods. The course's arts integration includes visual art projects such as period research into art styles, music, and Theatre expression when possible

Historical Literature

0.5 credit, not offered every year

Prerequisites: None

Our ancient young predecessors, sitting by candlelight or lamplight, reading history, actually learned history through literature. There simply was no other better way to study history—and bring history to life. History has effectively been taught through literature since ancient times. Only in the last century have schools gone away from this method of teaching to use textbooks. This course studies both history and literature. Exchanging literature—biographies, classical works, even historical fiction, for the history textbook not only restores this discipline to its historic roots, but also reinvigorates it with its inherent passion, human interest, and wonder. A student reading *Johnny Tremain* for his/her studies of the American Revolution will learn far more about the essence of that struggle than even the most colorful textbook could ever impart.

Thus, the goal of this course is to learn and understand targeted periods of US and World History through a number of readings in historical fiction and historical nonfiction.

Sociology

0.5 credit, Not offered every year

Prerequisites: None

As part of the American Psychological Association’s (APA) approved course for High School, this part of the course includes the study of human behavior by analyzing social structures (the patterned ways that people interact in social relationships). Students will first learn the four basic sociological perspectives and consider questions about sociological research and methods. The course then focuses on understanding social structures like culture, status, groups and how those structures are formed through socialization. Many of the concepts of the course are explained using modern era readings and video. Students will have an opportunity to consider how sociological concepts and perspectives apply to their own lives.

Psychology

0.5 credit, Not offered every year

Prerequisites: None

This additional content of the APA course discusses different aspects of human personality, basis of behavior, emotion, consciousness, disorders, with emphasis on the analysis of human behavior and relationships. During the first half of the semester, theories of learning and personality development will be presented so that students may gain greater self-awareness and a better understanding of others. In the second half of the semester, the class will focus on troubled personalities, psychological disorders, and related psychosocial issues. Essays, quizzes, participation, exercises, and homework will be the primary criteria for knowledge assessment and grading.

THEATRE ARTS

Intro to Theatre

1 credit, *Prerequisites: None*

This is a broadly focused and essential course for students to explore the foundational skills of theatre arts across all facets of the discipline. Our emphasis will be on community-building, developing confidence and self-esteem in the context of performance, cultivating presence in front of an audience, learning traditional warm-up procedures, establishing the fundamentals of acting, and studying essential theatrical terminology. We'll also incorporate a series of specialized skills such as improvisation, pantomime, neutral mask work, script analysis, technical design, and playwriting.

The course prepares all students to study the craft of theatre in GSAA's model and methodology. Through your experiences in the course, you will be prepared for intensive rehearsal and production work in our style, as well as the activities in other theatre courses that build on the basis founded in Drama Workshop I.

Advanced Drama Workshop

1 credit, Grades 11 & 12

Prerequisites: Intro to Theatre

The advanced level of drama workshop is an extension of the areas of study from the basic level with an increased focus on historical and cultural influences. Along with a working knowledge of classic theatrical design and technique, it will also provide you with a more advanced skill set in vocal work and movement to prepare you for professional theatre work or advanced theatre studies. Assessments will be assigned as solo performances and a focus on individual character development and acting technique will be covered. This class should only be taken by upperclassmen or sophomores with advanced permission from the teacher.

The American Musical

1 credit, offered every other year

Prerequisites: None (Intro to Theatre recommended)

This class covers the beginnings of the American musical, with minstrel songs and the age of vaudeville, up to today's blockbuster Broadway hits. We will explore American culture and how each era of our history has shaped theatre and the role the musical has played in theater's survival. Broadway business, American history, and literature will be covered in addition to dance, acting, and vocal technique. Due to the skills covered, this will be a heavily physical class and movement attire will be worn.

Theatre Design

1 credit, not offered every year

Prerequisites: None

Theatre Design is a technical theatre course aimed at students who are interested in learning to envision and craft the look and feel of a stage performance. Our central focus will be on the idea of "concept," and how we bring one to

reality. We will explore the fundamentals of stagecraft, architecture, and costumes associated with historical periods, and the various roles on a director's design team for theatrical productions. Students will design a theatre venue, complete a research project on period styles, and develop original student designs for lights, set, costumes, and makeup for a variety of musical, classical, and contemporary productions. All students are eligible for the course, although it is recommended that students take Drama Workshop I first. Visual art skills, while not a requirement, will be a definite plus. Experiences and skills gained in this course will prepare students for student theatrical design work in GSAA productions as well as in future theatrical careers.

Historical Theatre

0.5 credit, not offered every year

Prerequisites: None

Historical Theatre is an academic class which will span the beginnings of theatre in ancient Greece to the modern theatre of the 20th century! For each period of time, we will research and study what is happening politically, economically, and socially in America and Europe. Then, as a class, we will create a timeline of artistic movements and connect them to theatre styles. In order to understand the artistic connections, we will read plays from each movement by acting out scenes, reflecting on the themes, and writing our own plays in the same style. Some of the styles we will explore include Classic Greek, English Renaissance, Japanese Noh and Kabuki, Melodrama, and Realism.

Improv Workshop I and II

0.5 credit, offered every other year

Prerequisites: Intro to Theatre

Improvisation is the process of creating without preparation or planning. It involves teamwork, quick thinking, and freedom of movement. As a class, we will build the skills necessary for acting without a script. Through group collaboration, discussion, and spontaneous movement the students will learn the fundamentals of improvised performance. This class will help students become comfortable speaking in public and performing for an audience, while improving their creative thinking skills.

Acting Topics

0.5 credit, offered every other year

*Prerequisites: Intro to Theatre, Advanced Drama Workshop, Junior or Senior**

Acting Topics is an elective theatre course intended for upperclassmen that fills in all of the fun little gaps that a mainstream progression of the theatre curriculum might not have time to cover in-depth. It is a student-driven course that will take a different shape and focus with every new section, depending upon the desires, interests, and abilities of the students. Students will collaborate to reach consensus upon a handful of "Acting Topics" (mostly experimental, artistic, philosophical, and political modes of theatre not covered by the other performing courses), and each one will become a unit focus. In each unit, students will research, read/view, create, enact, and critique works of theatre within the selected Acting Topic. Our objectives are to experiment in interactive forms of theatre, break down traditional audience barriers, build knowledge of the major figures and works in experimental theatre movements, and explore our own perspectives, prejudices, and identity through topical theatre action.

The prerequisites are the same as those for Advanced Drama Workshop. Students should be upperclassmen who have previously completed Intro to Theatre and Drama Workshop. However, sophomores who have taken both prerequisites, or upperclassmen who are missing one of them, may be eligible with special instructor permission.

Visual Arts

Fundamentals of Art

0.5 credit

Prerequisites: None

Students will experiment with various media and techniques used to create a variety of two-dimensional (2-D) and three-dimensional (3-D) artworks as they explore the significance and the application of the elements of art and principles of design. These works may be in the form of drawing, painting, printmaking, collage, assemblage, and sculpture. Media may include but is not limited to graphite, charcoal, acrylics, inks, oils, clay, papier-mâché, wire and found objects. Students will develop and refine technical skills as they work toward the development of their own personal artistic style and voice as they consider influencing factors of personal, multi-cultural and historical significance. As students participate in the critique process, they will use visual art vocabulary to analyze and communicate the artistic implications and distinctiveness of their own artwork and that of their peers.

Advanced Studio: Personal Voice

1 credit

Prerequisite: Fundamentals of Art or equivalent as approved by the instructor

This course will challenge students to develop and express their individual artistic voice through various two dimensional or three-dimensional artworks. Over the course of the semester, students will work towards the development of an overall cohesive theme for the body of work created in this class.

This course will provide the opportunity for focused research, conceptualization, and application in both the student's choice of subject matter and media of interest. Media may include but is not limited to: drawing, painting, ceramics, sculpture, photography, or video. Students will participate in project critiques to aid in the development of personal art making skill and style with a focus on presentation, artist statements, and portfolio development.

Ceramics One

1 credit

Prerequisites: None

Ceramics one is designed for students who have an interest in working with clay and gives students experiences in making functional as well as sculptural pieces using a variety of techniques.

Students will create ceramic pieces through hand building techniques including pinch, coil, and slab. As students experiment with personal designs, they will explore historical and cultural connections, work individually and collaboratively and reflect on artistic outcomes through the critique of their own work as well as that of their peers.

Ceramics Two

1 credit

Prerequisite: Ceramics One or equivalent as approved by instructor

Ceramics two is an advanced studio course designed to expand upon the skills and ideas gained in ceramics one. Students will explore a variety of ceramic techniques designed to refine hand building skills and experiment with wheel throwing skills through the exploration of more complex and conceptual forms.

As in ceramics one, students will experiment with personal designs, they will explore historical and cultural connections, work individually and collaboratively and reflect on artistic outcomes through the critique of their own work as well as that of their peers.

House Design

0.5 credit, not offered every year

Prerequisite: Fundamentals of Art or equivalent as approved by the instructor

This course will challenge students to explore the elements of art and the principles of design to aid in the development of the creative process. Students will translate two-dimensional architectural plans into three-dimensional form while considering the relationship of design elements and the impact they have on aesthetic quality. Students will be required to employ critical thinking and problem-solving skills as they visualize and construct a ¼ inch scale model of a home from their individual design schemes. As students examine the interconnectedness of the arts throughout social and cultural perspectives, they will gain an enriched artistic understanding and visual awareness.

Art History 1900 to Present Day

0.5 credit, not offered every year

Prerequisites: None

An introduction to international developments in modern and contemporary art from 1900 to the present. This course provides students with a knowledge base to understand the visual arts as related to Modern and Contemporary Art. Discussion is centered on world art of the twentieth century, including Modernism to Postmodernism. Students explore the forms, meanings, and purposes of art in this introductory course. Consideration is given to various media, techniques, styles, and content within historical and cultural contexts.

Drawing & Painting

1 credit

Prerequisites: Fundamentals of Art and Personal Voice

Students will demonstrate proficiency in the conceptual development of content in drawing and painting to create self-directed or collaborative 2-D artwork suitable for inclusion in a portfolio. Students will produce works that show evidence of developing craftsmanship and quality in composition through the consideration and application of the elements of art and principles of design. Through the critique process, students will evaluate and respond to their own work and that of their peers with the goal of refining and improving their artistic skills. As students engage in a focused investigation of traditional techniques, historical and cultural models, and individual expressive goals, students will begin to develop their individual and personal artistic style.

Introduction to Sculpture

1 credit

Prerequisites: Fundamentals of Art

A beginning sculpture course that encourages exploration of three-dimensional form using a variety of materials, methods and techniques. Concentration is given to historical, cultural and aesthetic contexts that influence sculpture as an art form with an emphasis on the cultivation of individual creative expression. Lessons are designed to initiate creative development aimed at gaining a fluency in the composition, observation, and analysis of sculptural form. A broad range of both traditional and non-traditional materials will be used throughout the course that may include: wood, metal, plaster, clay and found objects; some of which may be the responsibility of the student to acquire.

Digital Art

0.5 credit

Prerequisites: Fundamentals of Art or equivalent approved by instructor

This semester long course introduces students to contemporary media as an extension of the creative process. Students will explore the application of the elements of art and principles of design while using various technology platforms as media in artmaking. Through lecture, research and assigned projects, students will consider cultural and historical implications on various art movements and compare this understanding with contemporary art influences. They will synthesize this understanding into their own artmaking opportunities using technology as a vehicle to bridge the gap between old and new methods. The course culminates into a survey of professional career opportunities for digital artmaking.

Portfolio Design & Presentation

0.5 credit, not offered every year

Prerequisite: Advanced Studio: Personal Voice or equivalent as approved by the instructor

This course provides students with an opportunity to construct both a digital and a physical portfolio that showcases their success and growth as artists. Students will explore methods to select, arrange and display examples of their artwork that demonstrate an understanding and execution of the elements of art and principles of design. Attention is given toward preparation for a portfolio review for college and/or employment opportunities.

Introduction to Sewing

0.5 credit, elective

Prerequisite: No

In Introduction to Sewing, you'll learn the basics of sewing including various stitches and seam finishes, you'll build a solid sewing foundation, and you'll complete at least 13 sewing projects. Once you've established the proper foundation, you'll learn how to install zippers and make buttonholes. On top of that, you'll have the knowledge and the confidence to be able to sew much, much more.

Advanced Sewing

0.5 credit, elective

Prerequisite: Introduction to Sewing, Max 14 students

In Advanced Sewing, you will build on the skills learned in the Introduction to Sewing class. The projects you complete in this class will be more complex and will take longer to complete. You will leave this class knowing how to make Aprons, Tote Bags, Quilts, and more.

Garment Construction

1.0 credit, elective

Prerequisite: Introduction to Sewing, Max 14 students

In Garment Construction, you will build on the skills learned in the Introduction to Sewing class. You will learn how to read a garment pattern, how to ensure you use the right materials for the job, and a basic knowledge of how to create garments, such as shirts, pants and skirts from scratch. We will work with the Theater Department on required costumes for upcoming shows.

Intro to Digital Photography

0.5 credit, elective

Prerequisite: None, Max 12 students

You will leave this class with a concrete understanding of how to use a dSLR camera, including the proper use of aperture, shutter speed, and ISO to create a balanced exposure, visual composition, and how to crop and edit your photos for success. We will also go over the different ways you can share and print your images for success.