



Course of Study
2019-2020

The Course of Study at Linden Hall

Welcome to Linden Hall! Whether you are a new student or have been with us for years, we are glad to have you as a member of the vibrant, engaged community at Linden Hall. You are part of an active, involved, connected community that is proud of its members and their varied accomplishments, be they academic, athletic, or extra-curricular.

The Course of Study is designed to provide important information about classes that are offered at Linden Hall, along with basic information about planning your years with us. This booklet should be used in conjunction with the Student Handbook, which provides additional information regarding Linden Hall's requirements, programs, policy, and procedures. If you have questions about anything in the Course of Study, please first consult the Handbook (the Handbook is always right!), and then ask your advisor or another adult at Linden Hall for help. Topics of particular interest in the Handbook not included in this booklet include: how to add and drop classes, how to calculate your grades and GPA, and taking classes outside of Linden Hall.

In line with our mission statement, the academic program at Linden Hall is exclusively college preparatory. Rigorous standards for classes and challenging curricula meet the needs of average to above average students. Every department has honors level or Advanced Placement courses and department chairs, teachers, advisors, and members of the Academic Office work to place students in the most appropriate courses available.

Please see the following pages for academic planning information and also short course descriptions of classes. For each department, a sequence of classes offered is provided to help with planning your progress.

This Course of Study is for the 2019-2020 school year.

Graduation Requirements

In order to graduate from Linden Hall, a student must accrue at least 23 credits during her four years of high school according to the following requirements:

- **English** – four credits, including at least one full year of English beyond ESL programming
- **Mathematics** – four credits, including at least Algebra 1, Geometry, and Algebra 2
- **History** – three credits, including U.S. History
- **Science** – three credits, including Chemistry and Biology and one other lab science course
- **World Languages** – at least two credits, including study in her chosen language through at least level three
- **Arts** – two credits among visual and performing arts elective courses
- **Physical Education** – two credits, awarded as 0.5 credits each year for participation in at least one interscholastic sport team or physical activity elective
- Three additional academic or art credits in elective or advanced level classes in any department.

In addition, students must meet the following co-curricular requirements to qualify for graduation:

- *Community service* as outlined in the Student Handbook
- *Summer reading each summer*: Linden Hall students are asked to read at least two books over the summer, a community read shared by all the students in Middle or Upper School and a teacher-sponsored book from the list. Students may also have books required for Advanced Placement classes. Students should return to school in the fall prepared to discuss all books they were required to read and with any additional work completed as stated in the summer reading handout. Students who do not successfully meet expectations for summer reading will be asked to review their books again and will be asked to take a quiz or write a paper on their books to avoid a failing mark for summer reading.
- *A yearly speech*: Linden Hall has an established and well-respected tradition of students in grades 10-12 giving speeches to the student body throughout the year. Public speaking experience builds confidence in students and helps them leave a legacy. Seniors present their speeches in chapel.

To be considered a full-time student, students must carry a minimum of five core academic courses each year.

Postgraduate students who meet Linden Hall's graduation requirements and carry a full load of five classes will be issued a certificate at graduation pending successful completion of the year.

Course Offerings

In summary,

- **English** is offered each year, including honors-level courses beginning in the ninth grade and Advanced Placement®* classes offered to eligible eleventh and twelfth grade students.
- **Mathematics** follows a sequential development series from middle school mathematics courses to post-calculus offerings. Honors courses are offered beginning with Honors Algebra 2, and Advanced Placement® courses are available in Statistics, Calculus AB, and Calculus BC.
- **History** courses progress from sixth through twelfth grade including among others studies in ancient history, women's history, civics, World and American history, art history, and economics. Honors courses are available for a select group of ninth grade students, and Advanced Placement® offerings are available to qualified students starting in the tenth grade.
- **Science** classes include special-interest classes in Middle School designed to emphasize exploration and inquiry and traditional laboratory classes in Upper School physics, chemistry, and biology. Honors classes are offered in the Upper School, and Advanced Placement® courses are available as second-year offerings to qualified juniors and seniors.
- **World Language** classes follow sequential offerings in French, Mandarin, and Spanish, through the Advanced Placement® course in each language. Classical languages are taught in the Middle School and provide grounding for study of English and other world languages.
- **Arts** courses in studio art, photography, music, and theater may be repeated each semester.
- **Physical Education** is required each year for every Linden Hall student. This requirement is satisfied by participation in a team or club sport at Linden Hall or through the cooperative program at Warwick High School. If a student does not play a season of sport, she must complete a Linden Hall designated after-school activity twice a week throughout the year; options include riding lessons and dance. Middle School students are enrolled in yearlong physical education classes and may additionally participate in after school sports.

Due to the increased workload and demands of AP® classes, students are recommended to take no more than one AP® course in the tenth-grade year, no more than two in the eleventh grade, and no more than three in the twelfth-grade year. Students who wish to exceed the recommended load of AP® classes must seek administrative approval through the Academic Office.

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Planning your Coursework at Linden Hall

Students and their families should carefully plan a student's coursework at Linden Hall. Each spring, as a part of the course selection process, students' advisors will go over plans for study with their students. Other resources available to students in planning coursework include members of the Academic Office, including the Director of the Middle School and Assistant Head of School for Academics, and, particularly for rising seniors, the College Counseling Office.

Sixth Graders

Sixth graders will take the following courses:

English: English 6

Mathematics: Mathematics 6

History: Global Studies

Science: Environmental Science

World Languages: Classics 1 (Latin)

Arts: Sixth graders participate in Linden Hall's arts program via Language of Music (one semester vocal; one semester instrumental) and Art (one semester studio; one semester dramatic). Sixth graders may also audition to participate in the Middle School Drama program.

PE: Sixth graders complete physical education as a group.

Additionally, sixth graders complete a Health and Wellness program throughout the year.

Seventh Graders

Seventh graders participate in the following coursework:

English: English 7

Mathematics: Usually Mathematics 7 or Pre-Algebra. Students advance in their mathematics coursework; new students are placed via recommendation and testing.

History: Women in History

Science: Forensics

World Languages: Classics 2 (Greek). Students with experience in other languages are placed via testing.

Arts: Seventh grade students take Studio Art and may choose to participate in Choir or Orchestra. They may also audition for the winter Middle School Drama program.

PE: Seventh graders complete physical education as a group.

Additionally, seventh graders complete a Health and Wellness program throughout the year.

Eighth Graders

Eighth grade students will take the following classes:

English: English 8

Mathematics: Usually Algebra 1. Students advance in their mathematics coursework based upon departmental recommendations; new students are placed via application recommendation and testing.

History: Civics

Science: Engineering

World Languages: Eighth grade students participate in one of the three modern language programs at Linden Hall: French, Mandarin, or Spanish. Students with experience in these languages are placed via testing.

Arts: Eighth grade students take Studio Art and may choose to participate in Choir or Orchestra. They may also audition for the winter Middle School Drama program.

PE: Eighth graders complete physical education in groups.

Additionally, all eighth graders take Health and Wellness throughout the year.

Ninth Graders

Ninth grade students should plan on the following course of study:

English*: Ancient World Literature OR Honors Humanities English, by invitation only.

Mathematics: Usually Geometry. Students advance in their mathematics coursework based upon departmental recommendations; new students are placed via application recommendation and testing.

History: Ancient World History OR Honors Humanities History, by invitation only.

Science: Physics. Placement in Honors Physics will be determined based upon previous teacher recommendation, classroom performance in the first semester of the year, and student commitment to an honors project. Most students complete Physics at the college preparatory level.

World Languages: Students advance in their language study with teacher recommendations. Students new to Linden Hall are placed in level 1 or in advanced levels via testing.

Arts: Students are encouraged to consider semester-based coursework in studio art, photography, music, and theater.

PE: Ninth graders are required to complete the equivalent of one season of sports training. They may meet this requirement by competing as a member of a varsity, junior high, or club team for one sports season or by completing a Linden Hall designated activity throughout the year.

Tenth Graders

Tenth grade students should plan on taking:

English*: Modern World Literature. Some students may qualify for Honors World Literature based upon previous course performance, teacher recommendation, and standardized test performance.

Mathematics: Usually Algebra 2, possibly on the honors level depending on departmental recommendation. Students advance in their mathematics coursework based upon teacher recommendations; new students are placed via application recommendation and testing.

History: Modern World History OR, by invitation, Advanced Placement® World History.

Science: Chemistry. Placement in Honors Chemistry will be determined based upon departmental recommendation. Most students complete Chemistry at the college preparatory level.

World Languages: Students advance in their language study with teacher recommendations. Students new to Linden Hall are placed via testing usually conducted during student orientation week.

Arts: Students are encouraged to consider semester-based coursework in studio art, photography, music, and theater.

PE: Tenth graders are required to complete the equivalent of one season of sports training. They may meet this requirement by competing as a member of a varsity, junior high, or club team for one sports season or by completing a Linden Hall designated activity throughout the year.

Eleventh Graders:

Juniors should plan their course of study carefully. Refer to the graduation requirements as you think about your course requests, and plan both your junior and senior years. You may wish to meet with a member of the Academic Office or College Counseling staff, particularly if you are tailoring your studies with a particular college or university program in mind.

English*: English 11/12 modular classes. Selection for honors is based upon departmental recommendation, performance during the first semester, and student commitment to an honors project. Linden Hall offers AP® English Literature and Composition in alternating year with AP® English Language and Composition; you may qualify for one or the other or both in your junior and senior years.

Mathematics: Usually Pre-Calculus, possibly on the honors level. Students may begin selecting alternate pathways in mathematics. Please see the math department listing and flowchart for alternates and options. Students new to Linden Hall will be placed carefully in mathematics courses; consultation with a prior school may be necessary, and students may be asked for photocopies of syllabi and tables of contents from textbooks.

History: U.S. History on the college preparatory, honors, or AP® level, based upon departmental recommendation and performance in the first quarter. Students in the junior and senior year who have completed United States History are eligible for elective courses in history and social studies. Please see the history department list for offerings in economics, art history, and Advanced Placement® courses. Elective coursework will vary from year to year, depending upon student interest and teacher availability.

Science: Biology. Placement in Honors Biology will be determined based upon departmental recommendation. Most students complete Biology at the college preparatory level. Students may also double up with AP® Physics or AP® Chemistry in the junior year with the approval of the department.

World Languages: Students advance their language study in French, Mandarin, or Spanish. Junior students who have completed level 3 are encouraged to finish level 4 of their language this year in preparation for Advanced Placement® coursework in the senior year; however, the occasional student may choose to begin new language study this year or may focus her attention in another department.

Arts: Students are encouraged to consider semester-based coursework in studio art, photography, music, and theater. Students who have not yet satisfied their graduation requirement in this department should plan carefully how to do so.

PE: Eleventh graders are required to complete the equivalent of one season of sports training. They may meet this requirement by competing as a member of a varsity, junior high, or club team for one sports season or by completing a Linden Hall designated activity throughout the year.

Rising Twelfth Graders

Rising seniors should carefully consult the graduation requirements when planning their twelfth-grade year. Any requirements left unfulfilled must be completed in the senior year.

Of course, you may take courses beyond the minimum graduation requirements in any department, particularly if you are planning to apply to competitive or highly competitive colleges and universities. Rising seniors are encouraged to specialize if they have an area of study that is of particular interest and they have satisfied their requirements in other departments. However, students are reminded that the college preparatory mantra is “all five cores, all four years.” Students will work closely with their college counselors in the spring of the junior year, often times in conjunction with their parents. Your college counselor will get to know you and your family and will help organize your personal college plan, including suggestions about your senior year course of study.

***English as a Second Language**

Students who are language learners in English will be placed into appropriately supportive literature and language classes for their current level of achievement. Please see the department description following for additional information on placement and course offerings in ESL classes.

Students interested in taking classes off campus or online should contact the Academic Office. Coursework offered through One Schoolhouse is accepted for credit at Linden Hall.

Linden Hall Middle School – Three-Year Plan

Name: _____ Date: _____

| Subject Area: | Grade 6 | Grade 7 | Grade 8 |
|--------------------|---------|---------|---------|
| English | | | |
| Mathematics | | | |
| Science | | | |
| History | | | |
| World Languages | | | |
| Arts | | | |
| Other Classes | | | |
| Physical Education | | | |

| Extra-Curricular Activities: | Grade 6 | Grade 7 | Grade 8 |
|------------------------------|---------|---------|---------|
| Sports | | | |
| Clubs and Activities | | | |
| Service | | | |
| Leadership | | | |
| Summer Plans | | | |

Linden Hall Upper School – Four-Year Plan

Name: _____ Date: _____ Graduating Year: _____

| Subject: (number of credits required for graduation) | Grade 9 | Grade 10 | Grade 11 | Grade 12 |
|--|---------|----------|----------|----------|
| English (4) | | | | |
| Mathematics (4) | | | | |
| Science (3, including biology and chemistry) | | | | |
| History (3, including U.S. History) | | | | |
| World Languages (through level 3) | | | | |
| Arts (2) | | | | |
| Other Classes | | | | |
| Physical Education (1/2 per year) | | | | |

| Extra-Curricular Activities: | Grade 9 | Grade 10 | Grade 11 | Grade 12 |
|---|---------|----------|----------|----------|
| Sports | | | | |
| Clubs and Activities | | | | |
| Service | | | | |
| Leadership (include honor societies) | | | | |
| Employment/Home Responsibilities | | | | |
| Summer Plans | | | | |

LINDEN HALL COURSE OFFERINGS 2018-2019

*Courses offered online via One Schoolhouse

ENGLISH

English 6
English 7
English 8
Ancient World Lit
Honors Humanities
 English
Modern World Lit
Honors World Lit
English 11/12 Modules
(see course descriptions)
AP English Literature
Writing Seminar

ENGLISH AS A SECOND LANGUAGE

Middle School ESL
ESL Language 1
ESL Literature 1
ESL History
ESL Language 2
ESL Literature 2
ESL Support

MATHEMATICS

Mathematics 6
Mathematics 7
Pre-Algebra
Algebra 1
Geometry
Algebra 2
Honors Algebra 2
Algebra 3 and
 Trigonometry
Pre-Calculus
Honors Pre-Calculus
Calculus
AP Calculus AB
AP Calculus BC
Multivariable Calculus
AP Statistics

HISTORY

Global Studies
Women in History
Civics
Ancient World History
Honors Humanities
 History
Modern World History
AP World History
U.S. History
Honors U.S. History
AP U.S. History
Archaeology
Art History
Microeconomics
Psychology
AP European History
AP Microeconomics
AP Psychology

SCIENCE

Environmental Science
Forensic Science
Engineering
Physics
Honors Physics
AP Physics
Chemistry
Honors Chemistry
AP Chemistry
Biology
Honors Biology
AP Biology
Anatomy and Physiology
Physics and Art: Waves
Technology and Design
Semester electives
(see course descriptions)
Computer Science
 courses*

WORLD LANGUAGES

Classics 1 (Latin)
Classics 2 (Greek)
French 1
French 2
French 3
French 4 Honors
AP French Language
Mandarin 1
Mandarin 2
Mandarin 3
Mandarin 4 Honors
AP Chinese Language
Spanish 1
Spanish 2
Spanish 3
Spanish 4 Honors
AP Spanish Language
AP Spanish Literature*

ARTS

Language of Music
Middle School Music
Orchestra
Women's Choir
Music Theory
AP Music Theory
Middle School Drama
Theater Arts
Dance
Middle School Art
Fundamentals of Art
Ceramics
Photography
2D Studio Art
3D Design
Studio Art 2D Portfolio
AP Studio Art – 2D Design
 Photography
 Studio
AP Studio Art – 3D Design
Art History

English Department – 2019-2020

The English department at Linden Hall introduces students to the world through literature. We read and respond to literature from across time and cultures, believing that reading and writing teach empathy and critical thinking. Our students read literature from a variety of genres and work to understand how genre and history, form and content, inform one another. Additionally, our students strive to become more successful communicators through regular speaking and writing opportunities. Vocabulary and grammar are studied to improve clarity and precision of communication. Finally, Upper School students give yearly speeches to the school community: the underclass women during morning assembly, the seniors during chapel.

English 6

Just as 6th grade serves as an introduction to Linden Hall, English 6 is meant to introduce ideas of form, genre, and analysis to our Middle School students. While the bedrock of the course gives students a solid understanding of the basic grammar, mechanics, and usage of good sentences and paragraphs, English 6 students are exposed to a wide variety of texts and writing styles. The overarching theme of choice supports course objectives such as self-reflection, process writing, and creative expression while allowing for cross-curriculum connections with the 6th grade Environmental Science and Global History courses.

English 7

With a theme of imaginary worlds, English 7 includes Greek mythology, Shakespeare, dystopian fiction, and a variety of other texts. The emphasis in this course is on acquiring and practicing critical reading habits and writing both analytically and creatively. Writing assignments vary from paragraphs to persuasive essays, creative short stories, and responses to literature. Students practice strategies to effectively reflect upon, discuss, and write about themes within literature and the world around them. An independent reading program encourages students to become lifelong readers, and vocabulary and grammar instruction helps them improve as communicators.

English 8

English 8 prepares students for the rigors of Upper School English. All four areas of study are covered: reading, writing, vocabulary, and mechanics (grammar and usage). Reading and writing assignments examine how writing is used as a tool for narration, description, explanation, and persuasion; students spend time focusing on each of these four rhetorical modes. Literary texts challenge and engage students, serving as vehicles for broadening reading ability and as models for writing. Clear, effective communication is bolstered with instruction in the building blocks of vocabulary, grammar, and usage. Public speaking skills are emphasized through classroom discussion and class presentations. With a yearlong theme of social justice, English 8 explores several topics covered in Civics, allowing for interdisciplinary exploration and cross-curricular project-based learning.

Ancient World Literature

Covering some of the oldest recorded tales up through the 17th century and literature across six continents, Ancient World Literature is an introductory high school English course that has students explore the roots of human storytelling and recordkeeping. Strong focus is given to reading and analyzing literature, including myths and folk tales, nonfiction texts, novels, drama, and poetry. Historical context is also emphasized, including topics such as politics, religion, geography, and art. Analysis of plot, theme, mood, conflict, and symbolism among other key literary devices enhances student understanding and appreciation of literature on an increasingly sophisticated level. Speaking and listening skills are reinforced through discussions and presentations, and vocabulary and grammar skills are regularly practiced. Students also work on writing skills through short essays and daily exercises.

Most students in Ancient World Literature are in the ninth grade; tenth grade students completing their first core (non-ESL) English course may also take this class.

Honors Humanities English

This is an interdisciplinary course designed to function hand-in-hand with Honors Humanities History. In this course, students focus on great works of western civilization through the study of literature, linking them to history, religion, philosophy, art, and music. Students examine the emergence of culture and institutions, the tension between the individual and society, and the evolution and interaction of religion and philosophy. Students enhance their cultural literacy and grow in their ability to draw deep connections between disciplines, read a variety of texts in a critical fashion, and communicate effectively in both speech and writing.

Honors Humanities English is open to ninth graders by departmental invitation only; considered students complete English 8 with a consistent A- grade or above. Students are required to co-enroll in Honors Humanities History.

Modern World Literature

A course that covers literature from the 17th century through the 21st century and includes authors from across the globe, Modern World Literature builds upon the skills and content knowledge mastered in Ancient World Literature. A sister course for the History Department's Modern World History course, students can explore literature through a historic lens. Written and spoken communication skills are a focus of the course with major assessments including analytical essays and a school speech. Vocabulary, grammar, and usage skills central to creating technically sound essays are reinforced through regular practice.

Most students in Modern World Literature are tenth graders. Eleventh grade students completing their first core (non-ESL) English course may also take this class.

Modern World Literature Honors

This pre-AP course employs literature from the 17th century through the 21st century and includes authors from across the globe. Students read fiction and nonfiction; emphasis is placed on the close reading of texts, considering how each work's structure, language, imagery, symbolism, and tone reveal the meaning of the work. Connections to modern world history, culture, and attitudes are considered as students relate literature to an

understanding of the human condition. Students interpret and analyze literary works through analytical papers, timed writings, and class discussions.

Modern World Literature Honors is open to tenth graders by departmental invitation only; considered students complete their previous English course at an A- level or Honors Humanities English with a minimum of a B+.

11th & 12th GRADE ENGLISH MODULES

Juniors and seniors take ownership of their learning by selecting their English course from a list of offerings. Through Junior/Senior coursework, students can pursue specific topics of interest within the discipline. Each course will include reading, writing, speaking, vocabulary, and grammar. However, the texts explored and projects completed within each course will reflect the topic of the course. Module offerings may change yearly. Students wishing to pursue 11th and 12th grade English on the honors level should speak with their teacher about options available.

American Voices

Who is an American? Which voices and experiences are quintessentially American? To what extent are certain American voices silenced? Students enrolled in American Voices will learn about the major traditions of American literature and gain an appreciation for the diversity of literary and social voices within—and sometimes marginalized by—those traditions. Students will develop the ability to read texts in relation to their historical, cultural, and social contexts to gain a richer understanding and work to improve their writing skills through short essays and presentations. Class discussions are also an integral part of the course, as each voice in the room can contribute to a more nuanced understanding of texts. This course currently focuses on women of color, tracing narratives of immigration, gender, and identity formation.

Image and Word

Image and Word focuses on the relationship between the arts and literature through the study of film and graphic novels. This course introduces students to the basics of film analysis, including theoretical, historical, and critical approaches to films. Analysis of graphic novels focuses on the study of visual literacy and visual rhetoric. Image and Word sharpens students' analytical skills; students analyze the ways images and words work to communicate with and manipulate audiences. Skills of research and writing are honed through analytical, creative, and reflective assignments. Speaking and listening skills are reinforced through discussion, the school speech, and creative audiovisual projects.

Journalism

Journalism focuses on the academic study of journalism. Skills of research and writing are honed through journalistic writing projects. Speaking and listening skills are reinforced through discussion, the school speech, study of interview techniques, and audiovisual journalism projects. Texts read as part of the course are nonfiction and include narrative nonfiction, memoirs, and articles from periodicals. Topics covered throughout the course include: freedom of speech, journalism ethics, and how to assess the reliability of nonfiction writing. The course is recommended for girls interested in current events, investigation,

and writing. The course involves guest speakers, exploration of primary sources in the Linden Hall archives, and lively class discussions.

Plays and Playwriting

Plays and Playwriting has two essential goals as a course: first, to increase student exposure to and understanding of dramatic literature as form, genre, and historical phenomenon; and second, to give students the tools, opportunities, and skills needed to write, revise, and evaluate their own dramatic scripts. Throughout the year, students examine several plays, both ancient and modern, exploring the literary merits of the pieces and their contributions to the development of world drama. Students also look at model scripts, participate in creative exercises, and practice collaborative feedback and evaluation of their own pieces. Assignments for this course are an even blend of analytical, creative, and reflective assignments.

Poetry, Verse, and Lyric

Poetry, Verse, and Lyric increases students' exposure to and comprehension of poetry, both in literature and in life. Students read a broad spectrum of published poems from a diverse range of authors, explore the ways in which poetry challenges individuals and societies, and examine historical contexts and movements which have influenced poets across time periods and cultures. Students who take this course approach the discipline as readers and writers, making active use of their imaginations and numerous poetic forms and techniques. The course is centered around discussion, collaboration, and workshop-style writing sessions and will feature an even blend of analytical, creative, and reflective assignments.

Women Who Write

Women Who Write is a women's literature and creative writing course. The course focuses on women's experiences and literary contributions. Recognizing that certain voices and stories routinely are underrepresented in high school English curriculums, particular attention is paid to selecting fiction and nonfiction texts that reflect the diverse experiences of women of many cultures and times. The study of texts will include describing, analyzing, and interpreting structure and theme. Communication and critical thinking skills are honed through group discussions, public speaking opportunities, and writing assignments. Students write in many genres with a particular emphasis on honing creative writing skills.

Advanced Placement® English Language and Composition

Not offered in 2019-2020; offered in 2020-2021

AP® Language students become skilled in the use and understanding of rhetoric and argument in a variety of contexts. This course focuses on analyzing non-fiction and argumentative texts from various time periods and disciplines. Students read and analyze sources such as academic writing, journalism, classical philosophy, creative non-fiction, satire, and political cartoons. This course emphasizes a structured writing process to compose expository essays that engage the reader and execute nuanced arguments in formal and informal writing. Assessments include short and long-term writing projects as well as quizzes on vocabulary, rhetorical terms, and reading comprehension.

AP® English Language is open to eleventh and twelfth grade students by departmental invitation only. It is offered in alternating years with AP® English Literature, so students who wish to approach AP® English coursework should plan carefully.

Advanced Placement® English Literature and Composition

Offered in 2019-2020; not offered in 2020-2021

AP® Literature students approach studied texts using strategies that lead to a deeper reading of challenging works while also fostering an understanding of how literary elements help create meaning. Class discussions are a central part of the course, and emphasis is placed on critical thinking and close readings of poetry, novels, and drama, and. Students will interpret and analyze literary texts through reaction papers and in-class essays, working to build strong arguments and develop fluent writing style.

AP® English Literature is open to eleventh and twelfth grade students by departmental invitation only. It is offered in alternating years with AP® English Language, so students who wish to approach AP® English coursework should plan carefully.

Writing Seminar (formerly Language and Composition)

Writing Seminar is a writing elective, offered as a semester-long and year-long course. The course supports students in improving their writing skills, on assignments specific to the course as well as other work they are completing at Linden Hall. It provides targeted instruction, using the exploration of mentor texts, daily writing exercises, and editing workshops. Students make progress thanks to a supportive environment in which they receive individualized instruction, work collaboratively with classmates, and have the opportunity to build confidence when speaking and reading aloud.

Students enrolled in Writing Seminar are co-enrolled in college-preparatory-level English classes. Placement in Writing Seminar may be recommended or required by teachers or requested by students. The course is recommended for students who have an interest in better preparing themselves for college-level writing.

**English Department Flow Chart
2019-2020**

| | | |
|----------|-------------------------------------|---------------------------------|
| Grade 6 | English 6 | |
| Grade 7 | English 7 | |
| Grade 8 | English 8 | |
| Grade 9* | English 9: Ancient World Literature | Honors Humanities English |
| Grade 10 | English 10: Modern World Literature | Honors World Literature |
| Grade 11 | English 11/12 Modules*** | AP Language and Composition |
| Grade 12 | | AP Literature and Composition** |

Writing Seminar is also available on a semester basis for all students in grades 9-12.

* Beginning in grade 9, students who earn an A- or better average in the preceding class and are recommended by the department may be eligible for Honors or AP level coursework. Selection in any given year is not dependent upon honors selection in any previous year.

** AP Language and Composition and AP Literature and Composition are offered in alternating years and are open to students in grades 11 and 12 when invited by the department.

*** Honors coursework in grades 11 and 12 may include independent work; offerings depend on student need and teacher interest and availability.

English as a Second Language Program – 2019-2020

Linden Hall's ESL program provides English language learners with the instructional support they need to become full participants in their coursework and engaged members of the larger Linden Hall community. The goal for students engaged in ESL classes is to progress quickly to standard college-preparatory coursework. Following an initial placement test, the ESL placement committee uses a combination of grades, placement test scores, and teacher recommendations to determine ESL course placement and promotion. Students do not select their own placement.

The ESL program uses a combination of direct language instruction and content-based ESL courses to develop communication skills on the interpersonal and academic levels. In addition to content courses and standard language instruction in the domains of listening, speaking, reading, and writing, the ESL program also features extensive preparation for the TOEFL exam.

Any student who feels the need for additional support may self-select to join an ESL course. Additional academic support services may also be made available on an as-needed basis.

Students are initially placed into ESL courses based upon placement testing completed at Linden Hall. Testing is completed three times each year: in August, November, and May. Students' first semester coursework is determined by August testing, and Upper School students may advance one level in ESL coursework at each semester if appropriate.

Students are required to complete a full year of college-preparatory English work beyond ESL coursework prior to graduation. Students who are promoted from ESL level 2 into college-preparatory English courses with a TOEFL score below 80 are recommended to spend at least one semester in Writing Seminar.

Middle School ESL Support

This course is designed to support international students at the Middle School level as they engage with their domestic peers in regular academic coursework. Emphasis will be placed on specific vocabulary and skills acquisition necessary to participate and excel in activities such as discussions, peer editing sessions, research projects, and class presentations within our standard Linden Hall curriculum. Time is also given in this course to work with the instructor on assignments for regular courses.

Students in MSEL will be Middle School students with TOEFL scores below 45 or else will be assigned to the class by the English or ESL department.

Required Co-requisite: *Standard Middle School English course*

ESL Literature 1

Although ESL Literature 1 focuses on the four language skills of reading, writing, speaking, and listening, its primary purpose is to transition second-language students to the study of English as literature rather than language. Students learn to use literary devices both in their discussions of literature and in their own writing, and they move beyond comprehension of the text into close reading and analysis through full-class discussion.

ESL Lit 1 is taken by Upper School students with TOEFL scores below 55 in lieu of a standard English course. Students may be assigned to the class by TOEFL score or by the English and ESL departments.

Required Co-requisites: *ESL Language 1, ESL History*

ESL English 1: English Language Fundamentals

While the bedrock of ESL English 1 is an absolute mastery of basic structures and grammar forms in the classic tradition, students also begin learning the terms and concepts that their domestic counterparts have been learning in their own studies of grammar. Although all four language domains are addressed, English 1 places especially heavy emphasis on writing and public speaking.

ESL Lang 1 is taken by Upper School students with TOEFL scores below 55 in lieu of studying an additional world language. Students may be assigned to the class by TOEFL score or by the English and ESL departments.

Required Co-requisites: *ESL Literature 1, ESL History*

ESL History

This course provides students with an introductory survey to the major events, people, documents, and ideas of United States history. The course covers pre-Columbian to 20th century American history; it also places special focus on the global language and research skills needed to succeed in most American classrooms.

This course DOES NOT fulfill the U.S. history requirement for graduation.

ESL History is taken by Upper School students with TOEFL scores below 55 as a foundation course in United States history. Students may be assigned to the class by TOEFL score or by the English, history, and ESL departments.

Required Co-requisites: *ESL Language 1, ESL Literature 1*

ESL Support

This course provides students at ESL level 1 with the language support they will need to excel in college prep-level math and science courses. Emphasis will be placed on decoding academic text, the study of word roots and families, and effective research practices for the American classroom. Students will also study directly for the TOEFL exam.

ESL Support is taken by Upper School students with TOEFL scores below 50 or by other students requesting support in their coursework as they become proficient in English.

*Students earning above a 50 on the November TOEFL testing may elect to drop ESL Support for semester 2; however, **ESL Support is strongly recommended all year.***

ESL Literature 2

ESL Literature 2 is designed to prepare students for the use and application of English in college-preparatory-level academic and extracurricular settings. The main focus includes all four language domains: reading, writing, speaking, and listening. Reading includes academic and literary texts, and writing includes various academic essay forms. Students practice speaking and listening through discussions and oral presentations. In addition, there is TOEFL preparation and a stress on fluidity of verbal fluency.

ESL Lit 2 is taken by Upper School students with TOEFL scores between 55 and 70 in lieu of a college-preparatory English course. Students are assigned to the class by TOEFL score or by the English and ESL departments.

Required Co-requisites: *ESL Language 2*

ESL English 2: Application & Extension

ESL English 2 focuses on the structural study of the English language, with heavy emphasis on grammar, writing, and speaking. Students will move beyond functional English to develop a personal and professional style of communication that will serve them effectively in high school and university classes and on both types of TOEFL tests, as well as in any environment where English is used.

ESL Lang 2 is taken by Upper School students with TOEFL scores between 55 and 70 in lieu of study in an additional world language. Students are assigned to the class by TOEFL score or by the English and ESL departments.

Required Co-requisites: *ESL Literature 2*

**English as a Second Language Program Flow Chart
2019-2020**

MIDDLE SCHOOL:

In Middle School, English Language Learners with TOEFL scores below 45* participate in grade-appropriate English courses (English 6, English 7, or English 8) with the required support of the Middle School ESL class in lieu of study of another world language.

UPPER SCHOOL:

English Language Learners in Upper School with TOEFL scores below 70*

| | English | World Language | History | Other |
|---|------------------|--|----------------|--------------|
| ESL Level 1 <i>TOEFL less than 55</i> | ESL Literature 1 | ESL English 1: English Language Fundamentals | ESL History | ESL Support |
| ESL Level 2 <i>TOEFL between 55 and 70</i> | ESL Literature 2 | ESL English 2: Application & Extension | N/A | N/A |

* Students are tested three times per year in-house (in August, November, and March or April); they may also register to take a TOEFL off-campus twice a year (see the schedule published by the college counseling office). Placement for first semester coursework is determined by a student's test score on campus in August.

Students progressing from ESL coursework to college preparatory English may be required to co-enroll in Writing Seminar.

Mathematics Department – 2019-2020

The Mathematics Department at Linden Hall is devoted to developing the reasoning and problem-solving skills of each student and to instilling confidence in her ability in our discipline. We incorporate the use of technology to enhance learning and mastery of concepts and provide a collaborative working environment that emphasizes further development of communication skills. We offer advanced placement and honors level courses for more rigorous study, and we prepare for, and participate in, various math competitions for girls interested in pursuing additional work in math outside their regular coursework. We also provide a peer-tutoring program to enhance communication and leadership skills.

Mathematics 6

The Mathematics 6 curriculum focuses on computational proficiency, critical-thinking skills and developing an organized approach to problem solving. Students study integers, rational numbers, the coordinate system, percentages, and proportions. They investigate the practical applications of two-dimensional geometry and are introduced to solid geometry. Mathematical concepts and Excel skills are taught and reinforced through collaborative critical thinking activities and projects.

Pre-Algebra

Pre-Algebra addresses the transition from arithmetic to the basic elements of theoretical mathematics. This course emphasizes critical-thinking skills that enable students to think mathematically and relate ideas and concepts. Pre-Algebra focuses on writing and solving multistep equations and inequalities, all operations with rational numbers, proportions, percentages, square roots, the Pythagorean Theorem, graphing linear equations, and solid geometry. Mathematical concepts and Excel skills are taught and reinforced through collaborative critical thinking activities and projects.

Algebra 1

This course builds on skills developed in Pre-Algebra and provides the foundation for all Upper School math courses. In Algebra 1, students deepen their understanding of linear functions and inequalities, systems of equations and inequalities and their graphs. Students are introduced to factoring, polynomials, radical equations, all operations with rational expressions, and quadratic equations. Throughout the year, students work collaboratively to apply the skills they learn in solving word problems. In addition, they participate in both individual and group projects in which they explore and solve real-life problems.

Geometry

This course introduces students to the concepts of Euclidean Geometry. Students in this course study the properties of geometric figures and develop abstract and logical thinking skills through deductive and inductive reasoning techniques. Emphasis is placed on justifying conjectures by writing proofs. Topics studied include properties of triangles, including right triangle trigonometry, quadrilaterals, congruence, and similarity.

Algebra 2

This course reinforces and extends students' understanding of concepts from previous math courses and teaches more sophisticated problem-solving skills. Focus in the class is placed on mastering quadratic equations and solving them with graphing. Other functions studied include rational, exponential, and logarithmic families of equations. Emphasis is placed on the processes used to find solutions rather than on the solutions themselves. Students learn different problem-solving strategies and explain the methods used to find solutions both in oral and written form. Technology is used in a variety of ways to enhance learning.

Honors Algebra 2

This course covers the material taught in Algebra 2, and is enhanced with some additional topics. Students are expected to display strong problem-solving skills and approach problems independently. Students build their confidence by doing more mental math and applying basic mathematical thought processes.

Required Pre-Requisite: 87% or higher grade in Algebra 1; permission of the department.

Algebra 3 and Trigonometry

The purpose of the course is to build a solid algebra foundation to prepare students for precalculus and calculus. The course will review major algebra topics such as graphing and analysis of 6 basic functions, including exponential and logarithmic functions. We will also spend time preparing for SAT. Conic sections and other analytical geometry topics will then be introduced. We will devote the second semester to trigonometry. Our goal will be to start with basic trig functions (right triangle and unit circle) and finish with proving identities and solving equations, as well as graphing and analyzing functions and their inverses. By the end of the course, the students will be well prepared for Precalculus.

Pre-Calculus

This course explores basic functions (linear, quadratic, power, polynomial, rational, trigonometric, absolute value, and greatest integer) and their algebraic properties with an emphasis on their graphical, algebraic, and numerical representations. An in-depth study of trigonometric functions includes right-angle geometry, inverse trigonometric functions, trigonometric identities and proofs, trigonometric proofs, trigonometric equations, the Law of Sines, Law of Cosines, and other trigonometric applications.

Required Pre-Requisite: 80% or higher grade in Algebra 2; permission of the department.

Honors Pre-Calculus

This course covers the material covered in Pre-Calculus, but at a significantly faster pace; some topics are covered more in-depth. Some additional topics are introduced.

Required pre-requisite: 87% or higher in Geometry and Honors Algebra 2 or 90% or higher in Algebra 2; permission of the department

Advanced Placement® Calculus AB

Calculus is the study of instantaneous rates of change. Students in this course learn how mathematicians answer science's plea for solutions of questions of rates of change in population growth, interest income, distance traveled, and more. Students explore the idea

of a derivative as the slope of a curve as well as its applications. The inverse function, or integral, is explored as a means to calculate area and volume. The class employs a team approach to learning concepts of calculus together with technological aides. Students will prepare for the AP® exam in May.

Required Pre-requisites: successful completion of Pre-Calculus; permission of the department.

Advanced Placement® Calculus BC

This course includes all the content in AP® Calculus AB as well as the calculus of parametric, polar, and vector functions. Emphasis is placed on the convergence of sequences and series. All students prepare for and take the AP® exam in May.

Required Pre-requisites: successful completion of Honors Pre-Calculus; permission of the department.

Advanced Placement® Statistics

The study of statistics teaches students to communicate methods, results, and interpretations of data using the language of mathematics. Students use graphing calculators and computer software to improve conceptual understanding of abstract concepts by exploring and analyzing data, assessing models, and performing simulations. Students completing this course on the AP® level must complete the exam in May.

Required Pre-Requisite: Algebra 2 or any course completed after Algebra 2. This course is open to English-proficient sophomores who completed Algebra 2 with an average of 85% or higher.

Multivariable Calculus

This is a course in differential and integral calculus of functions of several variables. After the introduction of vectors and the 2 and 3-dimensional Euclidean space, functions of several variables are discussed. Functions of two variables will be visualized by surfaces in the three-dimensional space. Further topics include partial derivatives and the total derivative of real-valued and vector-valued functions, the chain rule, directional derivatives, extrema of real-valued functions, constrained extrema and Lagrange multipliers, double and triple integrals, and the change of variables formula in multiple integrals. Emphasis is placed on the processes used to find solutions rather than on the solutions themselves. Students learn that there are often multiple ways to solve a given problem and to explain their methods of solution in both oral and written form. Since mathematics is a skill, which requires practice, students learn to persevere in the face of challenges. In addition, technology is used in a variety of ways to enhance student understanding and learning.

Required Pre-Requisite: completion of Calculus, AP® Calculus AB, or AP® Calculus BC

Linear Algebra

This course involves college-level study for students who have successfully completed AP® Calculus. Approved students will be motivated, independent learners who will be able to successfully navigate the online environment at One Schoolhouse.

Introduction to Computer Programming

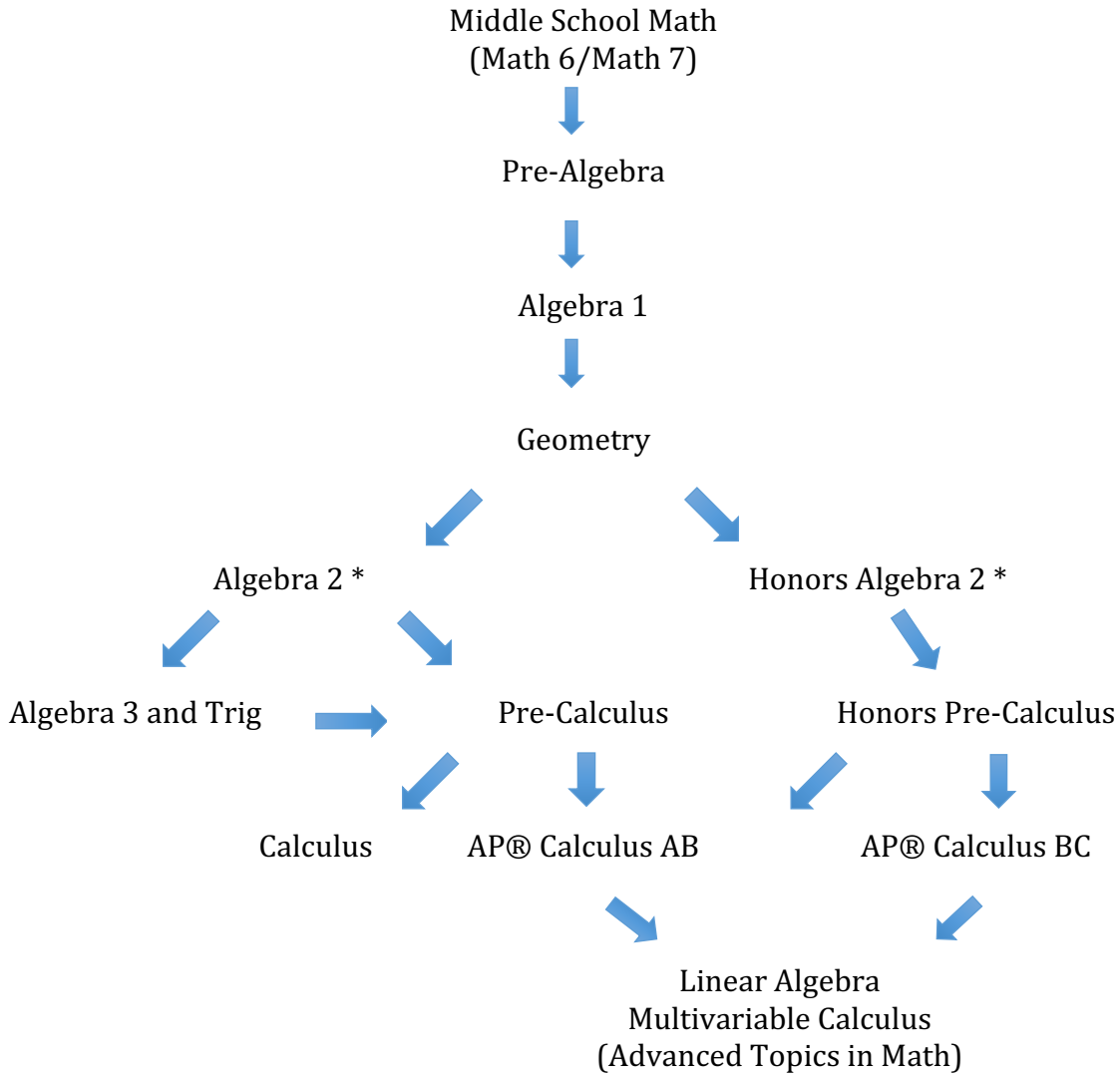
Advanced Placement® Computer Science

Advanced Placement® Computer Science Principles

In conjunction with the science department, these elective courses are offered to strongly interested, self-motivated students with a track record of success in independent work through Linden Hall's relationship with One Schoolhouse. Because this is an elective course, there is a course fee associated with taking this class and it does not satisfy Linden Hall's graduation requirement in mathematics. Interested students should begin by having a conversation with Ms. Teske.

Mathematics Department Flow Chart 2019-2020

Upon entry at Linden Hall, students are placed in the most appropriate math course; subsequent courses depend upon initial placement and performance.



Students may elect to take *AP® Statistics at any time following Algebra 2 or Honors Algebra 2 as noted above. The Mathematics Department recommends that students plan to take AP® Statistics as an additional or terminal math course, rather than interrupting the flow of progression through mathematics coursework.

History Department – 2019-2020

The History Department at Linden Hall encourages each student to develop her critical thinking skills while expanding her knowledge of the world around her. Courses within the department examine western, world, U.S., local, modern, and ancient history as well as related fields in the humanities and social sciences. We use primary and secondary sources, class discussion, independent and guided research, analytical writing, and standardized test preparation as appropriate. Courses in the department develop students' ability to interpret data, think and write clearly, make comparisons, draw conclusions, present and defend material, conduct research, and read actively.

Global Studies

Sixth-grade students examine geography and culture from the ancient world until today. Students begin with an introduction to the study of geography through a review of Ancient World geography and culture; then they expand their study through the modern day. The course teaches traditional tasks and study skills such as chapter notes and map exercises as students investigate the role geography plays in creating regional cultures, economies, and identities.

Women in History

Seventh-grade students examine the roles and lives of women throughout history and around the world with a focus on ancient cultures including Neolithic societies, Mesopotamia, Egypt, Greece, and Rome within an archaeological context. The class introduces students to the field of archaeology and its methods. As a final interdepartmental project, students create a tomb for a fictional woman in antiquity.

Civics

Eighth-grade students will study and discuss how the United States government works on the national, state, and local levels and the rights, responsibilities, and benefits of citizenship. The course will place these themes in historical context through closer study of key moments in American political history, including the American Revolution, the Civil War, the Great Depression, and the Civil Rights Movement. Students also discuss current events and their impact on American domestic and foreign policies. Each semester includes a project that has research, writing, and presentation components. Assignments and projects will integrate with work students complete in English 8.

Ancient World History

This course introduces ninth-grade students to the significant events and recurring themes of Ancient World History. We begin our studies with Human Origins and conclude the course with a thematic approach to The Renaissance. We discuss the rise and fall of great empires, the development and importance of world religious systems, struggles for power and authority, the narration of historical events, scientific and technological revolutions, cultural interactions, and the importance of geography.

Modern World History

This course introduces tenth-grade students to the significant events and recurring themes

of Modern World History. We begin our studies with the Age of Exploration and conclude the course with current modern issues that face our world. We discuss the rise and fall of great empires, the development and importance of world religious systems, struggles for power and authority, economic influences on society and culture, scientific and technological revolutions, cultural interactions, and the importance of geography.

Honors Humanities History

This interdisciplinary course must be taken concurrently with Honors Humanities English. This course studies history as deeply connected to literature and art, holistic and wide-ranging, demanding and interconnected. This course provides a thought-provoking examination of cultures and events that helped shape early modern culture. We examine multiple factors that have shaped history: political, economic, social, religious, intellectual, and social. We follow a number of themes throughout the year: the emergence of culture and institutions; the tension between the individual and society; the evolution and interaction of religion and philosophy.

Honors Humanities History is open to ninth graders by departmental invitation only; to be considered, students must complete Civics with a consistent A- grade or above. Students are required to co-enroll in Honors Humanities English.

Advanced Placement® World History

AP® World History offers students a challenging, college-level world history course that prepares them for the College Board examination in May, a requirement of the class. AP® World History focuses on developing students' abilities to think conceptually about world history from approximately 8000 BCE to the present and apply historical thinking skills as they learn about the past. Five themes of equal importance — focusing on the environment, cultures, state-building, economic systems, and social structures — provide areas of historical inquiry for investigation throughout the course. AP® World History encompasses the history of the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania, with special focus on historical developments and processes that cross multiple regions.

Required Pre-Requisites: B+ in Honors Humanities History or other honors or AP history course OR and A- in World History or other college-preparatory history course; TOEFL score at 80 or higher; permission of the department. Students in eleventh and twelfth grade may discuss the possibility of taking this course with the Department Chair.

ESL History

This course provides students with an introductory survey to the major events, people, documents, and ideas of United States history. The course covers pre-Columbian to 20th century American history; it also places special focus on the global language and research skills needed to succeed in most American classrooms.

This course DOES NOT fulfill the U.S. history requirement for graduation.

ESL History is taken by Upper School students with TOEFL scores below 55 as a foundation course in United States history. Students may be assigned to the class by TOEFL score or by the English, history, and ESL departments.

Required Co-requisites: ESL Language 1, ESL Literature 1 OR ESL Literature 2, ESL Literature 2

United States History

This course offers a survey of U.S. history from the Columbian Exchange to the present day. We examine the multiple factors that have shaped history: political, economic, social, religious, intellectual, and cultural. We will follow a number of themes throughout the year: the emergence of the culture and institutions; the struggle for national unity and identity amidst cultural diversity and conflict; the powerful reform impulse in society; the conflicts between freedom and order, individualism and conformism, progressivism and nostalgia for the past, and state and federal power.

This course fulfills the graduation requirement in U.S. history for Linden Hall. Students may take this course in eleventh or twelfth grade.

Required Pre-requisite: TOEFL score exceeding 80

Honors and Advanced Placement® U.S. History

This course offers a survey of U.S. history from the Columbian Exchange to the present day with additional preparation for the SAT Subject Test and/or Advanced Placement® examination in U.S. History in May, required components of the course. Students study the formation and development of the American nation, political and economic growth, international interactions, and the change of the nation's supremacy on the world stage. We will consider the multiple factors that have shaped human history more broadly: political, economic, social, religious, intellectual, and cultural. Students begin with a recommendation into Honors U.S. History; during the first semester, the teacher and department chair will determine which students may continue in AP® U.S. History for the remainder of the year.

This course fulfills the graduation requirement in U.S. history for Linden Hall.

Honors and AP® U.S. History are open to students by departmental invitation only; to be considered, students must complete Honors Humanities History or AP® World History with a minimum of B+ or World History at an A- level.

UPPER LEVEL ELECTIVE COURSES

Upper School students at Linden Hall are required to take three years of history in their high school years; they are recommended to complete four full years. Upper level elective courses are open to eleventh and twelfth grade students who have successfully completed the U.S. history graduation requirement. Offerings differ from year to year and depend upon teacher availability, student interest, and departmental needs. In recent years, courses that have been offered within the History Department have included: Archaeology, Art History, Microeconomics, Psychology, AP European History, AP Microeconomics, and AP Psychology.

Archaeology

This is an introductory course that exposes students to the art and artifacts of the ancient Mediterranean world including Egypt. Students practice critical analysis and examine ancient history within an archaeological context. This course introduces archaeological methods and research.

Required Pre-requisites: European History or Honors Humanities Social Studies, TOEFL score at 80 or higher.

Art History

This course connects art to cultural, political, economic, and social forces that shaped creative artists and their works. Students acquire a working knowledge of the specialized vocabulary used in art history and gain a basic understanding of Western European art history linked to historical events, intellectual history, and scientific and cultural trends. They become familiar with key works of art, artists, styles, materials, and working methods as they enhance their visual literacy and critical thinking skills. Students discuss artistic references in advertisement and poster, on clothing, and in film and other media.

Required Pre-requisites: European History or Honors Humanities Social Studies, TOEFL score at 80 or higher.

Microeconomics

This introductory course examines the methods and theories of microeconomics. Students study the ideas of opportunity cost, how markets work and are structured, firm behavior, monopoly, monopsony, oligopoly, factors of production, consumer behavior and choice, externalities, and other elements of economic thought. Students will discuss economic current events and complete a variety of simulations to better examine how theory meets the real world.

Required Pre-requisites: completion of Algebra 2, TOEFL score at 80 or higher

Suggested Pre-requisite: completion of Pre-Calculus

Psychology

Psychology will introduce students to the scientific study of behavior and mental experience. We will cover many topics ranging from brain physiology to social behavior. We study many influences on behavior and thought, both internal (genetics, neurophysiology, traits) and external (parenting, learning, culture) to help us figure out why people do what they do.

Advanced Placement® European History

AP® European History offers students a challenging, college-level European history course primarily focusing on the period from 1450 to the present while they prepare for the College Board examination in May, a requirement of the class. In addition to textbook work, we examine various primary and secondary sources for their historical importance and their underlying biases and points of view, work on timed document-based question and thematic question essays, and practice multiple choice standardized test taking.

Required Pre-requisites: B+ in Honors U.S. History, AP® U.S. History, or other honors or Advanced Placement® level history course or an A- in U.S. History or other regular level history course; TOEFL score at 80 or higher; permission of department.

Advanced Placement® Microeconomics

AP® Microeconomics offers students a challenging, college-level course as they prepare for the College Board examination in May, a requirement of the class. Students approach the study of microeconomics through their text and various news and editorial sources. Students look for economic relevance and underlying biases and points of view, work on timed document-based question and thematic question essays, and practice multiple choice standardized test taking.

Required Pre-requisites: B+ in Honors U.S. History, AP® U.S. History, or other honors or Advanced Placement® level history course or an A- in U.S. History or other regular level history course; TOEFL score at 80 or higher; completion of Algebra 2; permission of department.

Suggested Pre-requisite: Completion of Pre-Calculus

Advanced Placement® Psychology

This course introduces students to the scientific study of human and non-human behavior and prepares students to complete the College Board examination in May, a requirement of the class. The course addresses a variety of topics ranging from the brain to social psychology. Students examine topics from biological, cognitive, psychoanalytical, evolutionary, humanistic, and social perspectives.

Required Pre-requisites: B+ in Honors U.S. History, AP® U.S. History, or other honors or Advanced Placement® level history course or an A- in U.S. History or other regular level history course; TOEFL score at 80 or higher; permission of department.

**History and Social Studies Department Flow Chart
2019-2020**

| | | | |
|----------|---|---------------------|---------------------------|
| Grade 6 | Global Studies | | |
| Grade 7 | Women in History | | |
| Grade 8 | Civics | | |
| Grade 9* | Ancient World History | | Honors Humanities History |
| Grade 10 | Modern World History | | AP World History |
| Grade 11 | U.S. History** | Honors U.S. History | AP U.S. History |
| Grade 12 | Upper-level elective courses including: Archaeology, Art History, Microeconomics, Psychology, AP European History, AP Microeconomics, and AP Psychology | | |

* Beginning in grade 9, students who earn a B+ or better average in the preceding class and are recommended by the department may be eligible for Honors or AP level coursework. Selection in any given year is not dependent upon honors selection in any previous year.

** To graduate from Linden Hall, students must successfully complete three credits of Upper School history classes, one of which must be United States history. Classes that meet this requirement are: U.S. History, Honors U.S. History, and AP U.S. History. ESL History does NOT meet this requirement.

Science Department – 2019-2020

We encourage students to develop their understanding of the natural world around them and of technological advances. We also emphasize the development of the analytical and logical thinking skills necessary to succeed in the sciences through:

- Our Physics First curriculum, which introduces students first to the physical sciences, and provides them with the concepts that are the basis for understanding physics, chemistry, and biology.
- Courses that introduce the major ideas of science through the use of laboratory techniques found in 21st century science.
- Discussion of recent advances made in science, the world of opportunities available in modern science, and the impact that science has on our society and environment.

Environmental Science

Sixth-grade students learn about the Earth's atmosphere, hydrosphere, and ecology. The focus is on life science and the interaction between living organisms and our physical environment. Students develop inquiry skills, STEM skills, science concepts, and vocabulary through inquiry and application.

Forensic Science

This seventh-grade course is an introduction to forensic science: the science used to solve crimes. Forensic Science emphasizes the scientific method and includes topics in physics, chemistry, and biology. Students use ideas from all fields of science through discussion and hands-on laboratory exercises. Students participate enthusiastically in solving mysteries.

Engineering

This eighth-grade, project-based, STEAM-focused course incorporates a mixture of creativity, critical thinking, problem-solving and collaboration. Students explore the engineering world through the lens of the engineering design process. We will study the use of energy in engineering, electricity and electronics, and engineering production systems. Additionally, students develop an understanding of the different fields in engineering.

Physics

Physics introduces students to the underlying rules governing the world around us. Students explore concepts of motion, force, momentum, energy and work, properties of matter, electricity and magnetism, and waves through independent and group work. Laboratory experiments are intended to engage students' problem-solving and critical thinking skills; students develop skills in scientific research and writing.

Required Co-requisite: Algebra 1 or higher

Honors Physics

All ninth graders at Linden Hall begin the school year in Physics. Honors Physics designation will be awarded in the second quarter to students who receive a teacher recommendation and have committed to and begun work on a science fair experiment. Completing the science fair will require students to be independently minded

as they apply the scientific method taught in class to design, perform and present an experiment. These experiments will push students to develop their scientific research and writing skills, as well as their analytical skills, above and beyond what is required for Physics. While the Physics curriculum may support the concepts students are exploring, students should be aware that very little class time will be devoted to the completion of the project, which will be due at the end of January. Successful presentation of the project at the Linden Hall science fair is required to maintain honors designation.

Required Co-requisite: Geometry; college prep or honors-level English; permission of the department

Chemistry

Chemistry, commonly called the central science, is the study of matter, any observable change that matter experiences, and the energy differences that accompany changes in matter. This course explores matter at its fundamental levels, focusing on three perspectives: the atomic, the observable, and the symbolic. Skills in critical thinking and problem solving are essential as students manipulate information and synthesize concepts in laboratory exercises and classroom exploration. The use of the language and vocabulary of chemistry is emphasized through class discussion and students work.

Honors Chemistry

Approaching Chemistry on the honors level includes all the ideas explored in Chemistry; additionally, students complete complex, math-based and conceptual problems selected to expand students' depth of knowledge in this subject essential to advanced work in other sciences.

Required Pre-requisites: Physics; permission of the department; co-enrollment in an Algebra 2 class; co-enrollment in college preparatory or honors-level English

Biology

Biology is the study of life. It is the study of how organisms develop, function, and reproduce. Students learn concepts and techniques of modern biology, including: cellular structure and function, molecular biology, biochemistry, genetics, evolution, classification and characteristics of living organisms (plants and animals), and ecology. Students gain an understanding of and appreciation for this complex science through laboratory exercises and classwork. Critical thinking and problem-solving skills are emphasized through individual and group work.

Honors Biology

Approaching Biology on the honors level includes all the ideas explored in Biology, plus additional work that explores more in-depth topics essential to the understanding of life science through inquiry-based exercises. Students completing Honors Biology will be prepared and encouraged to take the SAT Subject Area Test in May.

Required Co-requisite: co-enrollment in college preparatory or honors-level English; permission of the department

Advanced Placement® Physics

Students in AP® Physics explore principles of Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits in this college-level course equivalent to one semester's study of introductory physics. In the inquiry-based laboratory, students establish lines of evidence and use them to develop and refine testable explanations and predictions of natural phenomena. Students enrolled in this course are required to take the Advanced Placement® examination in May.

Required Pre-requisites: A average in Physics or Honors Physics; recommendation and permission of the department

Required Co-requisite: math class of Calculus or higher

Advanced Placement® Chemistry

The AP® Chemistry course provides students with a foundation to support future advanced course work in chemistry as work equivalent to a full year's introduction to college-level chemistry is completed. Students cultivate their understanding of chemistry and science practices as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Through inquiry-based learning and laboratory exercises, students develop critical thinking and reasoning skills. Students enrolled in AP® Chemistry are required to take the College Board® exam in May.

Required Pre-requisites: A average in Chemistry or Honors Chemistry and Algebra 2; co-enrollment in college preparatory or honors-level English; recommendation and permission of department

Advanced Placement® Biology

AP® Biology is the equivalent to a yearlong introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes – energy and communication, genetics, information transfer, ecology, and interactions. Laboratory exercises are emphasized. Students in AP® Biology are required to complete the AP® exam in May.

Required Pre-requisites: A average in Biology or Honors Biology and Chemistry or Honors Chemistry; recommendation and permission of department

Advanced Placement® Environmental Science

The AP® Environmental Science course is the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental Science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography.

Linden Hall offers this elective course to interested students through One Schoolhouse.

Required Pre-requisites: B+ average in Biology or Honors Biology and Chemistry or Honors Chemistry; recommendation and permission of the department

ELECTIVE COURSES IN SCIENCE

Upper School students at Linden Hall are required to take three years of science in their high school years; they are recommended to complete four full years. Upper level elective courses are open to eleventh and twelfth grade students who have successfully completed previous science coursework. Offerings differ from year to year and depend upon teacher availability, student interest, and departmental needs. Elective coursework currently listed includes: Anatomy and Physiology, Biomechanics, Introduction to Computer Programming, and Technology and Design. See also new semester-long electives offered in 2019-2020 in: Audio and Visual Technology, Innovation and Invention, Robotics, and Web Design. Elective offerings will depend upon student interest and teacher availability.

Anatomy and Physiology

Anatomy and Physiology will take an in-depth look at the multitude of processes that enable humans to survive in almost every climate on earth. A focus on homeostasis will lead students through various body systems, starting with anatomical form and shifting into physiologic function. Introduction to muscles and bones, nervous, circulatory, renal, respiratory, digestive, and hormonal systems will be covered. While not an AP Class, this course will be taught at the introductory collegiate level and is designed for students interested in premedical tracking for undergraduate study.

Required Pre-requisite: successful completion of Biology

Audio and Visual Technology (semester elective)

This semester-long class offers students an introduction to audio and visual technology at Linden Hall. Students learn about audio hardware and software, a variety of video recording devices, and learn the video software on the device they have readily available to them including iMovie, Garage Band, Microsoft, and Adobe products. The skills developed in this semester will benefit the students on projects, both in classes and extra-curricular activities. Students will begin a portfolio of work if this is their first class in the Makerspace. Students may concentrate on specific areas of interest for their semester project such as videography, video editing, film editing, audio recording, audio mixing, sound reinforcement, sound design. Upon completion of this class, students will be able to plan, capture, and edit a research-based production, with increasing complexity, individually and through collaboration in teams.

This course is available to students in grades 9-12.

Biomechanics (Not offered in 2019-2020)

Biomechanics is usually studied as a branch of anatomy and physiology. This yearlong study of how the body moves focuses on the muscular-skeletal system and how common physics tenets can be applied to it. Video analysis will be used regularly to study common motions in day-to-day life, in athletics, and in art.

Required Pre-requisites: successful completion of Physics, Biology, and Algebra 2

Innovation and Invention (semester elective)

This semester-long class is an introduction to engineering and entrepreneurship. Students are provided with a place to use collaborative and problem-solving skills creatively to innovate or invent something they imagine. This class teaches the fundamental elements in engineering as well as the engineering and design process while students build a business from the ground up. Students plan a new venture by determining their personal vision, conducting a market analysis, looking at start-up costs and writing a business plan.

This course is available to students in grades 9-12.

Introduction to Computer Programming

Advanced Placement® Computer Science

Advanced Placement® Computer Science Principles

In conjunction with the mathematics department, these elective courses are offered to strongly interested, self-motivated students with a track record of success in independent work through Linden Hall's relationship with One Schoolhouse. Because this is an elective course, there is a course fee associated with taking this class. Interested students should begin by having a conversation with Ms. Teske.

Physics and Art: Waves

This is a Physics elective that offers an in-depth look at several topics only briefly covered in the ninth grade Physics course that overlap with topics important to Art – specifically sound, light, and color. The course opens with an introduction to waves and will dedicate the rest of the year to the discovery and discussion how specific types of waves play a key role in our world. The class will address questions about music, color, photography, and vision, providing students with multiple opportunities to connect their own personal interests and experiences to the topics at hand. Additionally, students will have the chance to participate in both guided and student-designed laboratory activities. This class will not have a final exam – instead, students will create a multi-media portfolio of work demonstrating their understanding of the material.

Required Co-requisite: Algebra 2 or higher

Robotics (semester elective)

This one-semester class is perfect for those students who want to build and code with LEGO. This hands-on, project-based course introduces students to the exciting world of Robotics. In this STEAM-focused course, students develop skills in design and programming. Throughout the semester, students complete specific design challenges. Students take on coding challenges along with their creative builds. Students become creative problem solvers, collaborate with peers, and are inspired to love learning by doing.

This course is available to students in grades 9-12.

Technology and Design

This hands-on, project-based course will introduce students to the exciting world of computer science, robotics, coding, engineering, 2D and 3D design and emerging technologies. Students will study robotic and computer components including electronics, circuits, sensors and mechanical power. In this STEAM-focused course, students will develop skills in design and programming. Throughout the year, students will complete

projects and design challenges. Students will complete a year-long project, whether they select to build a robot or a computer program. Using the design process students will research, plan, create, build and improve on their creation throughout the year with a presentation at Lyceum and in place of a final exam. The class will also have a reading and discussion component, that will compliment all the areas and technologies studied. The goal of the class is to motivate students to be innovative, creative problem solvers, who collaborate with peers, inspired by a love of learning by doing.

Web Design (semester elective)

This one-semester class introduces students to the mechanics and elements of web design. Students learn the concepts of planning and organizing websites, along with documentation and copyright issues associated with website design. Students engage in a variety of project-based assessments to evaluate their understanding. At the end of the course, students are able to plan and organize a website, demonstrate the elements of design, explain and implement copyright and fair use doctrines and how they apply to website creation, and use a WYSIWIG editor and other online tools to create a website. *This course is available to students in grades 9-12.*

**Science Department Flow Chart
2019-2020**

| | | |
|------------|---|--|
| Grade 6 | Environmental Science | |
| Grade 7 | Forensic Science | |
| Grade 8 | Engineering | |
| Grade 9* | Physics | Honors Physics |
| Grade 10 | Chemistry | Honors Chemistry |
| Grade 11** | Biology | Honors Biology |
| Grade 12 | Elective offerings: Anatomy and Physiology, AP Computer Science (online), AP Environmental Science (online), Physics and Art, Technology and Design, semester classes | AP Physics AP Chemistry AP Biology |

* Beginning in grade 9, students who earn an A- or better average in the preceding class and are recommended by the department may be eligible for Honors level coursework. Selection in any given year is not dependent upon honors selection in any previous year.

** Students may elect to participate in Advanced Placement coursework in science beginning in the eleventh grade; we recommend that advanced students considering taking an AP class in the junior year co-enroll in Honors Biology and an AP course only after careful consideration with the department.

World Languages Department – 2019-2020

In the World Language Department, we believe that the acquisition of a second language is an integral part of every student's education. Knowledge of another language provides an insight into other cultures and other people and therefore creates a better understanding of the world.

Annual advancement in World Languages is a straightforward progression through levels, provided that students are displaying mastery in a given year. Selection for honors-level classes takes place during the school year, and advanced-level classes may be taught in conjunction with Advanced Placement® courses.

Classics 1: Latin

Sixth grade students study the fundamentals of the Latin language: vocabulary, grammar, and syntax. Texts and text in translation is used to examine various aspects of Roman society. This course lays the foundation for the study of English and other Romance languages like French and Spanish.

Classics 2: Greek

Seventh grade students study the fundamentals of the Greek language: vocabulary, morphology, and syntax. Understanding the basics of Greek advances students' study of English and other European languages, and familiarity with the Greek script prepares students for reading comprehension of non-European languages. Interdepartmental work will contribute to the study of Greek history, mythology, and culture.

French 1

French 1 is an introduction and foundation to the study of French language, literature, and culture. Students intensely study vocabulary and grammar structures to build the base for continuing study of the language. Through the use of appropriate-level authentic texts and resources, students learn commonly used French words and idiomatic expressions and begin to write and speak in full sentences and paragraphs in French.

French 2

French 2 builds upon work completed in French 1 in the use of authentic texts and resources to build French vocabulary, grammar, and understanding of Francophone cultures. Students develop and improve French reading, writing, speaking, and listening skills, while also broadening their understanding of French grammatical structures.

French 3

The French 3 class builds upon the grammar and vocabulary studied in levels 1 and 2. Students learn more complex grammar structures, including a thorough study of the subjunctive verb mood. Students continue to develop their French reading, writing, speaking, and listening skills. There is a strong emphasis on writing and speaking, as students are expected to speak in French every day and to submit weekly journal entries written in French. In addition, students read and discuss a variety of short stories in French.

French 4 Honors

French 4 Honors includes a review of all of the grammatical structures learned in the previous levels of study. Students continue to hone their reading, writing, listening and speaking skills with daily conversations in French, weekly writing assignments, and regular reading and listening assignments both inside and outside of class. Students read stories and literature excerpts spanning the centuries of French history, read and discuss current events from France and the Francophone world, look at and analyze French works of art, and listen to and discuss French music. Students enrolled in Honors French 4 may choose to take the SAT Subject Test in May.

Advanced Placement® French Language and Culture

AP® French hones students' French reading, writing, speaking, and listening skills in preparation for the College Board test in May. Reading and writing are completed with primary source documents, AP® style practice activities, essays, e-mails and reaction pieces, and original language French literature and poetry spanning the centuries.

Mandarin 1

This foundation course teaches Mandarin Chinese through cultural activities and theme-based language lessons focused on the areas of speaking, listening, reading, writing, and typing. Students learn Pinyin as well as basic Chinese sentence structure and grammar. Students experience Chinese culture in celebration of major Chinese holidays. Students engage in small conversations introducing themselves and their family. Students begin learning to write Chinese characters with the correct stroke order and to type Chinese.

Mandarin 2

This course builds upon work completed in Mandarin 1 as students advance in their knowledge of sentence structure and grammar as they become more familiar with the language. Students aim to perfect their tones and Chinese character writing and typing as well as listening and speaking skills. Students deepen their love of the language as they become more aware of their own culture and language. Students engage in simple conversations about places they live, transportation, food, and weather.

Mandarin 3

This intermediate-level course studies more complex grammar rules and sentence structures. Students use the target language every day in this course and engage in more sophisticated communication and conversations about topics like asking for help and summer plans. Students continue to expand their knowledge and understanding of Chinese culture and explore the Chinese-speaking communities nearby.

Mandarin 4 Honors

Fluency is the goal of this intermediate to advanced level course. Communication, cultures, connections, comparisons, and communities are stressed by using authentic language in real-life contexts. Students demonstrate their Chinese language ability in the areas of reading, writing, listening, and speaking. This class is conducted mainly in the target language and students are encouraged to speak Mandarin Chinese at all times. Students

develop their confidence in using the language to initiate a conversation in a culturally appropriate manner and engage in more profound discussion.

Mandarin 5 Honors

This course, designed for advanced level high school students, provides students with maximum opportunities to develop their language proficiencies. The focus is across the three communicative modes including interpersonal (listening, speaking, reading, and writing skills), interpretive (listening and reading skills), and presentational (speaking and writing skills) and five goal areas of communication, cultures, connections, comparisons, and communities.

Advanced Placement® Chinese Language and Culture

The AP® Chinese Language and Culture course in Mandarin Chinese emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP® Chinese Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Chinese. The AP® Chinese Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products, (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

Spanish 1

Spanish 1 introduces grammar principles, cultural themes, and provides a simple structure of the language through reading, writing, listening, and speaking. This course is a foundation for further study of the language and includes the present tense of regular and irregular verbs, vocabulary needed for introductory-level communication in Spanish, and grammar needed to construct complete sentences in the target language. Students will ask and answer questions in Spanish.

Spanish 2

Spanish 2 advances a more complex structure of the language and expands upon the grammatical and cultural themes presented in Spanish 1, including the study of the preterit, imperfect, future and conditional tenses; adverbs, diminutives, comparatives, and superlatives. Students increase their skills in reading, writing, listening, and speaking, and speak in Spanish every day.

Spanish 3

Spanish 3 focuses on a review of grammar principles while emphasizing conversation and written expression. This course increases the student's language skills in reading, writing, listening, and speaking. Students speak in the target language every day, write weekly in Spanish, and give a short presentation quarterly in Spanish. Students read, discuss, and analyze short stories and literary texts.

Spanish 4 Honors

Spanish 4 Honors focuses on an intensive review of grammar, from subject pronouns to the more complex pluperfect subjunctive mood. It is designed to further increase the students' language skills in reading, writing, listening, and speaking. Students implement grammar and vocabulary by writing weekly compositions and personal journals, giving informal speeches, and reading materials on everyday life and cultural aspects of Latin America and Spain. This course includes an introduction to major art and literary works and different cultural aspects of Spanish-speaking countries. Students study the works of various artists and writers; read and analyze short stories, novels, and prose; and compare and contrast works of art. The students may choose to take the SAT Subject Test in May.

Advanced Placement® Spanish Language and Culture

The AP® Spanish Language course is conducted completely in Spanish, and students are expected to interact with each other and the teacher in Spanish outside the classroom as well. Students master a strong command of the language through speaking, writing, listening, and reading. Current events and literary works of the Spanish-speaking world are accessed through newspaper and magazine articles as well as short stories. Students are required to complete the College Board® examination in May and round out the year with an independent project after the exam.

Advanced Placement® Spanish Literature

For those students who complete AP® Spanish Language, AP® Spanish Literature is an option as an online class through One Schoolhouse. The course provides a college level survey of texts from Peninsular, Latin American, and U.S. Hispanic authors. Students complete readings from the College Board® required reading list, and analyze the works within their social, literary, and historical contexts. Students build an understanding of form, structure, theme, and literary devices; they then analyze and evaluate the global interdependence that fosters the evolution of Hispanic and Latino literatures.

Students interested in taking this course should have a conversation with Ms. Teske.

Arts Department – 2019-2020

The Visual and Performing Arts are an integral part of human culture and education. Historically, they have served as a means of storytelling, religious enhancement, social documentation, and personal expression. Ultimately the Arts reflect the conventions of the society in which they are created. At Linden Hall, we teach an appreciation for historic and contemporary Arts through hands-on experiences and art history. We nurture student creativity and strive to celebrate students' individuality.

Linden Hall students are encouraged to:

- See the cross-curricular connection between the Arts, Mathematics, Science, English, and History – and apply the knowledge
- Embrace the influences of their international peers
- Share their talents beyond the classroom through exhibitions and performance

MUSIC COURSES

Music classes at Linden Hall develop comprehensive musicianship with a focus on musical literacy and development. We believe that all students are musical by nature and have tremendous potential to learn and enjoy music. Research shows that music helps students develop higher-order thinking skills and an increased desire to learn.

Language of Music

This sixth-grade course introduces students to the concepts of reading, writing, and performing music. Through a comprehensive Kodaly curriculum, students gain a deeper understanding for reading, writing, and performing music individually and in groups. Students study key elements in music theory including intervals, key signature, rhythmic notation, sight-singing, and solfege. Performers gain musical confidence as they learn to interpret music cohesively and effectively.

Choir

Choir allows students the opportunity to perform with peers in a school concert choir setting. Students learn choral repertoire through a performance-based curriculum and perform at several on-campus events throughout the year. There is no audition required to enroll and previous choral experience is not required. Students gain a better understanding of the fundamentals of musical literacy through an active rehearsal process.

Orchestra

The Linden Hall Orchestra consists of string, woodwind, brass, and percussion families. This class educates and reinforces the fundamental principles of playing in an ensemble while performing music of an appropriate level. Ensemble members must have at least four months of experience playing their instrument prior to enrolling in Orchestra.

Music Theory/AP® Music Theory

Students in Music Theory are introduced to the elements of music theory and composition and learn how these elements are used in music. The emphasis is on the rules of theory

and composition, ear training, sight singing, analysis, and keyboard skills. The course is designed both for students who desire to prepare for music as a career as well as those who desire it for personal enrichment. While the main emphasis is placed on music of the Common Practice Period (1600-1750), music of other stylistic periods is also studied. Students taking the course at the AP® level are required to take the Advanced Placement® Music Theory Exam in May.

PERFORMING ARTS COURSES

Middle School Drama

During the winter months, Linden Hall's Middle School Drama opportunity allows sixth, seventh, and eighth grade girls to experience the joys of performance. Students participate in the audition process, learn theater discipline through improvisation and drama exercises, and perform a full-length play. Students are introduced to theater vocabulary and the geography of the stage.

Theater Arts

While primarily a course in the discipline of acting, Introduction to Theater seeks to provide an overview of the world of theater to our students. Several units will introduce key moments in Western theater history, focusing on classical monologues and scenes. This is a studio course, so much of our energy will be to develop poise and confidence in the arena of public speaking. A great deal of time will be spent developing vocal technique through various exercises. Opportunities will be given for all our students to attend local theatrical presentations both amateur and professional. Students will become comfortable with basic stage geography and movement, as well as terms associated with the theater. The time given to each unit will largely be determined by the overall experience of the students. While geared to the novice actress, this class is strongly recommended for ESL students and any student seeking to gain confidence with public speaking.

Dance

In this course, students learn the basics of multiple styles of movement including ballet, tap, jazz, and modern. The history and vocabulary of these styles will be explored and applied in the studio setting. Students will spend approximately 75-80% of their time in the studio and 20-25% of their time in the classroom. Participation in Dance includes attending and producing performances, including the opportunity to showcase students' original choreography. Students are graded on studio work, theory, choreography, and performance. Students must commit to Dance for one semester but have the option of continuing throughout the year. Dance is an interdepartmental course that may count each semester for *either* 0.5 credits in the Art Department or 0.5 credits towards PE.

VISUAL ARTS COURSES

Middle School Art

This course teaches students the basic elements of design: line, texture, color, shape/form, value, and space as well as the principles of design: repetition, balance emphasis, contrast, and unity. Students examine works of art throughout history and identify symbols, subject matter, and techniques applied. Students use information presented in class to create novel works of art that display problem solving skills and sequential thinking. The class introduces the language of art and students are expected to employ their new vocabulary.

Foundations of Art (Not offered in 2019-2020)

This Foundation class will introduce students to art concepts and processes as well as nurture creative expression and problem-solving skills through the production of works of art. Special attention will be given to the basic elements of design: line, texture, color, shape/form, value, and space as well as the principles of design: repetition, balance, emphasis, contrast, and unity. We will reference works of art from history and identify the symbols, discuss the significance of subject matter, and study techniques applied. Drawing on this information, students will create their own works of art employing sequential thinking. The introduction and use of art terms will assist students in becoming fluent in the Language of Art.

Ceramics

This semester-long Upper School course focuses on creating both functional and non-functional works of art with clay. Emphasis is placed on the basic elements of design (line, texture, color, shape/form, value, and space) as well as the principles of design (repetition, balance, emphasis, contrast, and unity). Students examine and discuss works of art and create their own works exercising problem-solving skills and sequential thinking.

This class may be taken more than once and can be approached on an advanced level in coordination with the instructor.

Photography

Students in Photography learn rules of composition, how to use a 35mm manual camera and accessories, how to develop their own film in the darkroom, how to make photo enlargements, and how to edit digital photographs. Additional photographic techniques are taught throughout the semester. Students learn to formally and informally critique each other's work in class discussion and written assignments. Students become better image-makers as they push themselves to express themselves creatively with a camera.

This semester-long Upper School class may be taken more than once and can be approached on an advanced level in coordination with the instructor.

2D Visual Art

This semester-long Upper School class focuses on the exploration of color, line, texture, and form as elements for creating a balanced, aesthetically pleasing composition. We follow the tradition of working from life and explore abstraction and modeling after established artists when studying drawing and painting. Students begin with the brush on canvas and paper, charcoal and pencil on paper, and explore alternate techniques using objects from

nature. Students also study printmaking, the process of creating an image or idea on one surface and transferring it to another surface, most often paper.

3D Visual Art

This semester-long Upper School class teaches an appreciation for historic and contemporary visual arts through a hands-on experience. Units of study will focus on the use of mixed media, textiles and fiber, and artist books. Lessons may overlap as student interests vary; work is driven by student interest and is individualized. Mixed media focuses on symbolism in art. Students create works of art that can be displayed on the human form in the wearable art unit. The artist's book unit concentrates on visual communication and the power of words in art in history.

Advanced Placement® Studio Art – 2D Design (studio work)

Advanced Placement® Studio Art – 2D Design (photography)

Advanced Placement® Studio Art – 3D Design

These portfolio courses are designed for experienced, highly motivated, and dedicated students interested in the practical experience of art. Students prepare a portfolio for presentation to the College Board in May, highlighting aspects of Quality, Breadth, and Concentration. Extensive work for these classes must be completed independently, and students are expected to take advantage of opportunities to visit museums, galleries, and art exhibits as they study masters of art as a means of personal artistic enrichment.

Students interested in completing one of these courses should speak with the department chair in their sophomore year (or before) to prepare their approach to this coursework.

Art History

This course connects art to cultural, political, economic, and social forces that shaped creative artists and their works. Students acquire a working knowledge of the specialized vocabulary used in art history and gain a basic understanding of Western European art history linked to historical events, intellectual history, and scientific and cultural trends. They become familiar with key works of art, artists, styles, materials, and working methods as they enhance their visual literacy and critical thinking skills. Students discuss artistic references in advertisement and poster, on clothing, and in film and other media.

**Arts Department Flow Chart
2018-2019**

| | | | |
|-----------|---|---|---|
| Grade 6* | Language of Music | Middle School Drama | 6 th grade Art |
| Grade 7 | Middle School Music | | Middle School Art |
| Grade 8 | Women's Choir Orchestra | | |
| Grade 9** | <u>MUSIC</u> Music Theory AP Music Theory Choir*** Orchestra*** | <u>PERFORMING ARTS</u> Theater Arts Dance | <u>VISUAL ARTS</u> Ceramics Photography 2D Studio Art 3D Design Studio Art 2D Portfolio AP Studio Art 2D Design (Studio) AP Studio Art 2D Design (Photo) AP Studio Art 3D Design Art History |
| Grade 10 | | | |
| Grade 11 | | | |
| Grade 12 | | | |

* Students complete courses in visual and performing arts while in Middle School concurrent with their physical education activities; these courses include units in music, drama, and art. Seventh- and eighth-grade girls may also participate in Choir and Orchestra.

** Beginning in grade 9, students may access coursework in many areas of the arts department (all columns).

*** Advanced students in instrumental and vocal music are invited to audition for Linden Hall's extracurricular music groups, Sinfonia and Musea.

Individual music lessons, instrumental and vocal, are available to all students at Linden Hall, contracted with independent instructors who meet with students during or after the school day.

**Physical Education Department Flowchart
2019-2020**

MIDDLE SCHOOL:

| | |
|--------------------|---|
| Grade 6 | All sixth-grade students must attend PE class year-round; they may also participate on a sports team but are not exempt from PE class. |
| Grade 7 Grade 8 | All seventh- and eighth-grade students are scheduled in PE class, offered concurrently with their art class. If a student is participating in a seasonal sport, she may elect to participate in a study hall rather than attending PE during her sports season. When the sports season is over, the student returns to PE class. Middle School equestrians who attend two or more classes per week are similarly exempt from PE class. The exception to PE exemptions is the archery unit. All seventh and eighth graders are required to attend this unit. |

UPPER SCHOOL:

All Upper School students are required to participate in physical education every year and must accrue at least 0.5 credits each year. This may be accomplished in the following ways:

| Sports Team Participation | Riding | ASPE |
|---|--|--|
| <p>Seasonal sports teams (fall, winter, spring) earn participants 0.5 credits per season.</p> <p>Sports teams that fall outside the seasons (archery, dance, equestrian) also earn 0.5 credits for the year.</p> <p>See the Linden Hall website for the broad range of sports and interest levels available for students. Participation in the Warwick Co-operative program satisfies the Linden Hall PE requirement.</p> | <p>Equestrian students who complete two or more lessons a week over the year earn 0.5 credit to satisfy their PE requirement. It is the responsibility of the student-rider to ensure that she is completing her required classes.</p> <p>Students on any level of the Equestrian Team will earn 0.5 credits for the year.</p> | <p>Students who do not select other pathways to earning PE credit will be enrolled in After School Physical Education (ASPE). Students select from among a few options and attend class two days a week that will keep them physically active throughout the year. Options change periodically.</p> <p>Participation in ASPE over the year earns students 0.5 credits.</p> |

- Upper School students may also earn their 0.5 PE credit by participating in the Dance class offered during the school day.
- Upper School students who participate in 8 or more hours of intensive sports training during the week may be eligible for an Independent Sports credit. Ask Shellee Copley, Interim Athletic Director, for more information.