

HOLDERNESS

HOLDERNESS SCHOOL CURRICULUM & REGISTRATION GUIDE

**A Guide for Students,
Families, Faculty, and Staff**

2024–2025 Edition

WELCOME

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From the Dean of Academic Affairs

Dear Holderness Families,

I am thrilled to work with our new and returning families as the Academic Dean at Holderness. Time spent as a Holderness teacher, as a member of our Academic Committee, and in my present role has provided me countless opportunities to witness the excellent instruction and support that your children will receive from the best faculty in boarding schools.

Families new to our community, welcome to Holderness School! This letter is intended to help you select and sign up for correct courses via the [myHOLDERNESS Portal](#) (please see our instructions on page 5). I suggest familiarizing yourselves with the Portal, as it will be the key source of information throughout the year. **Returning families**, your children have already selected courses with the help of their advisors, but we welcome you to discuss and ponder their choices. There is certainly time to make changes before the school year begins, and you will find that we have added courses and revised our curriculum as we do each year.

Ninth Graders, please note that you will all enroll in the school's Foundations of Language and Literature course (for the year). Ninth graders are also required to take Foundations of Modern Society, a semester-length history course, as well as an introductory-level Performing or Visual Arts course. We will do our best to balance semesters and assign art courses with student preference in mind.

Tenth graders, please note that you will be required to take a year of US History. Most students will opt to take US History 1 in the fall semester and then select a seminar from the US History 2 options in the spring. All of these options are outlined in this Curriculum Guide and within the Course Requests. Tenth graders are also required to take one quarter of Human Development, a course that requires no homework but is essential in addressing our students' developmental needs.

Many students have started a language prior to ninth grade and each school labels its world language levels differently. Please bear in mind that often world language courses in junior high school move gently through content; in general, we counsel you to consider each year of junior high language as a half year of high school world language. In order to double check your level selection, new students will meet with the language teachers during your first week on campus.

Of course, each school has its own system of sequencing and each student has individual needs. I ask that you give our materials a thorough read, then of course contact me if you have any individual questions.



Jordan Graham, Dean of Academic Affairs

- ## Planning Documents

[illegible]Holderness School Curriculum and Registration Guide | 5

COURSE REQUIREMENTS

Clarifying Levels of Courses

On Holderness transcripts, courses are listed with “Course Codes” which include a Departmental Code (i.e. HIST for history and MATH for math) and a number between 100-699. The first digit corresponds with the level of the course which is further explained below, the second digit signifies an honors class if it is above 50 and the third digit is simply a course identifier and does not indicate a specific “level”. We believe this will further support our students in the college admissions process to clarify their courses. It also allows us to demonstrate the rigor of a course without the term A.P; this may be particularly useful for a course such as Linear Algebra—a post AP Calculus BC course—or Statelessness and Civil Strife, a semester-long history elective.

We hope this numbering system can help inform course sign ups, support clear homework expectations and more generally indicate the rigor of a course (see chart below). The terms “honors”, “advanced” and “Advanced Placement” will remain in the titles of the courses.

LEVEL	DESCRIPTION	AVERAGE HOMEWORK
Level 1 = 100	Courses that introduce a subject or discipline, typically taken by 9th or 10th grade students.	30-45 min
Level 2 = 200	Courses that are second in a sequence, typically taken by 9th or 10th grade students and open to 11th grade students.	30-45 min
Level 3 = 300	Courses that are third in a sequence, or elective courses typically taken by 11th and 12th grade students.	30-45 min
Level 4 = 400	Courses that are fourth in a sequence, or some elective courses typically taken by 11th and 12th grade students.	45-50 min
Level 5 = 500	Courses that are equivalent to college freshman classes, sometimes indicated by preparation for an AP.	60-75 min
Level 6 = 600	Courses that would be taken for a major, or typically taken after the first year of college. Has a 500 prerequisite.	60-75 min

Guidelines

SUBJECT AREA	REQUIREMENT
English	Four years, minimum. Students must be enrolled in an English course in each of their semesters.
World Language	Two consecutive years of the same language
History	Two years, including Foundations of Modern Society as a 9th grader and either US History 1&2 OR Advanced History of the West
Science	Two years, including one year of life science and one year of physical science
Mathematics	Three years, including Geometry and Algebra 2
Fine Arts	Two semesters
Human Development	One quarter; required for 10 th graders (students who enroll after 10 th grade are exempt)
Theology & Religious Studies	One semester
Senior Capstone	Full year required for 12th graders (full credit)

Students are required to take five full-credit courses during any year or term. This requirement applies to all students in all years, even when students have repeated a year of high school. A course in the Fine Arts counts as a full-credit course, with the exception of Vocal Ensemble or Music Ensemble, which may be taken as a sixth course. Human Development is also taken as a sixth course. Students who feel that the five-course load is too burdensome during any particular term must submit their request to the Academic Committee to carry a four-course load for that term. Requests will be considered only for students in extreme circumstances. Interested in AP classes? Please see the [AP Program section](#).

Students considering application to selective colleges should plan to take:

- 4 years of English
- 3+ years of History (4 if interested in highly selective colleges); AP Economics recommended if interested in Business/Economics programs
- 4 years of Math; at least up to Calculus if interested in Engineering programs; at least up to Calculus/AP Statistics if interested in Business and/or Pre-Health programs
- 4 years of Science; at least up to Physics if interested in Engineering programs; AP Biology recommended if interested in Pre-Health programs
- 3+ years of the same World Language; 4 years if interested in highly selective colleges
- 2 semesters of Art; Studio Practices 3 is recommended if interested in design and/or architecture
- 1 semester of Theology & Religious Studies
- 1 year of Senior Capstone; connect to college interests and/or ways to make a positive impact

COURSE OFFERINGS

English

CODE	COURSE	LENGTH	NOTES
ENG 101	Foundations of Language and Literature (formerly English 9)	Year	9 th grade requirement
ENG 201	Global Literature (formerly English 10)	Year	10 th grade requirement
ENG/THEO 403	AES: The Bible as Literature	Semester	Co-listed in Theology
ENG 408	AES: Creative Writing	Semester	
ENG 412	AES: Film Theory and Criticism	Semester	
ENG/THEO 413	AES: The Spiritual Memoir	Semester	Co-listed in Theology
ENG 414	AES: The Short Story	Semester	
ENG 416	AES: Greek Literature: From the Myth to the Modern	Semester	
ENG/ART 417	AES: Playwriting	Semester	Co-listed in Art
ENG/THEO 419	AES: Biblical Roots of Folk	Semester	Co-listed in Theology
ENG 420	AES: Shakespeare Out Loud	Semester	
ENG 501	AP English Language & Composition	Year	Open to qualified 11 th & 12 th graders; see AP reqs
ENG 601	AP English Literature & Composition	Year	Open to qualified 12 th graders; see AP reqs

** AES stands for Advanced English Seminar

French

CODE	COURSE	LENGTH	NOTES
LANG 101	French 1	Year	
LANG 201	French 2	Year	
LANG 301	French 3	Year	
LANG 401	French 4	Semester / Year	12th graders have the option of taking this as a semester or full-year course.
LANG 501	AP French Language & Culture	Year	See AP requirements

Mandarin Chinese

CODE	COURSE	LENGTH	NOTES
LANG 302	Mandarin Chinese 3	Year	
LANG 402	Mandarin Chinese 4	Semester / Year	12th graders have the option of taking this as a semester or full-year course.
LANG 552	Honors Mandarin Chinese 5	Semester / Year	12th graders have the option of taking this as a semester or full-year course.

Spanish

CODE	COURSE	LENGTH	NOTES
LANG 103	Spanish 1	Year	
LANG 203	Spanish 2	Year	
LANG 303	Spanish 3	Year	
LANG 403	Spanish 4	Semester / Year	12th graders have the option of taking this as a semester or full-year course.
LANG 503	AP Spanish Language	Year	See AP requirements
LANG 603	AP Spanish Literature	Year	See AP requirements

History

CODE	COURSE	LENGTH	NOTES
HIST 101	Foundations of Modern Society	Semester	9th grade requirement
HIST 201	US History 1	Semester	
HIST 206	US History 2: An African American History for Today	Semester	Prerequisite: US History 1
HIST/THEO 207	US History 2: History of Christianity in America	Semester	Prerequisite: US History 1 Co-listed in Theology
HIST 208	US History 2: Revolution & Resistance: American Politics in 1960's and 70's	Semester	Prerequisite: US History 1
HIST 301	Ancient Greece	Semester	
HIST 302	Intro to Philosophy	Semester	
HIST/ART 307	American Popular Music: The Confluence of History, Culture & Race	Semester	Co-listed in Art
HIST 404	Ancient Africa: "The Echoes of Africa"	Semester	
HIST 501	AP US/AP European History: Advanced History of the West 1	Year	See AP requirements
HIST 502	AP US/AP European History: Advanced History of the West 2	Year	See AP requirements
HIST 503	AP Economics	Year	History credit; Staffed by Math depart.; see AP reqs
HIST 507	Foundations and Cognitive Psychology	Semester	
HIST 508	Statelessness and Civil Strife	Semester	
HIST 552	AP US Government and Politics	Year	See AP requirements
HIST 553	AP Psychology	Semester	Prereq: Foundations and Cognitive Psychology; See AP Requirements
HIST 601	AP Comparative Government & Politics	Year	See AP requirements

Science

CODE	COURSE	LENGTH	NOTES
SCI 101	Biology	Year	
SCI 201	Chemistry	Year	
SCI 251	Honors Chemistry	Year	Recommended only for students who are very strong in math and science
SCI 301	Physics	Year	Recommended for students who are at the Precalculus level of math or above
MATH/SCI 305	STEM Robotics 1	Semester	Must have completed Biology; Co-listed in Math
SCI 451	Honors Physics	Year	Recommended for students who are at the Precalculus level of math or above
SCI 402	Exercise Physiology	Semester	Must have completed Biology & Chemistry
SCI 404	Nutrition	Semester	Must have completed Biology & Chemistry
MATH/SCI 405	STEM Robotics 2	Semester	Must have completed STEM Robotics 1; Co-listed in Math
SCI 406	Forest Ecology & Management	Semester	
SCI 407	Freshwater Ecology & Management	Semester	
SCI 408	Marine Biology	Semester	
SCI 501	AP Biology	Year	See AP requirements
SCI 502	AP Environmental Science	Year	See AP requirements
SCI 503	AP Physics C: Mechanics	Year	Must have completed Physics & AP Calculus; see AP requirements
SCI 504	Biomechanics	Semester	Must have completed a course in Physics; see AP requirements
SCI 601	AP Physics C: Electricity & Magnetism	Year	Must have completed AP Physics C: Mechanics; see AP requirements

Mathematics

CODE	COURSE	LENGTH	NOTES
MATH 101	Algebra 1	Year	
MATH 151	Geometry	Year	
MATH 201	Algebra 2	Year	Must have completed Geometry
MATH 251	Honors Algebra 2	Year	
MATH 301	Precalculus	Year	Must have completed Geometry & Algebra 2
MATH 303	Intro to Computer Science	Semester	
MATH/SCI 305	STEM Robotics 1	Semester	Must have completed Biology & Chemistry; Co-listed in Science
MATH 351	Honors Precalculus	Year	
MATH 401	Financial Math and Mathematical Modeling	Year	Must have completed Algebra 2
MATH / SCI 405	STEM Robotics 2	Semester	Must have completed STEM Robotics 1; Co-listed in Math
MATH 411	Advanced Precalculus	Year	
MATH 451	Calculus	Year	Must have completed Precalculus
MATH 501	AP Calculus AB	Year	See AP requirements
MATH 502	AP Statistics	Year	See AP requirements
MATH 503	AP Computer Science A	Year	Must have completed Geometry & Algebra 2; see AP requirements
HIST 503	AP Economics	Year	Counts as History credit; Staffed by Math depart.; see AP requirements
MATH 551	AP Calculus BC (Semester)	Semester	See AP requirements
MATH 552	AP Calculus BC (Full-Year)	Year	See AP requirements
MATH 601	Differential Equations	Semester	Offered on a rotating basis with MATH 602 - not offered in 2024-25
MATH 602	Linear Algebra	Semester	Offered on a rotating basis with MATH 601 - offered in 2024-25

Performing Arts

CODE	COURSE	LENGTH	NOTES
ART 101 ART 201	Vocal Ensemble 1 Vocal Ensemble 2	Semester	
ART 102 ART 202 ART 302 ART 402	Music Ensemble 1 Music Ensemble 2 Music Ensemble 3 Advanced Music Ensemble	Semester	
ART 103 ART 203 ART 305	Guitar 1 Guitar 2 Guitar 3	Semester	
ART 104	Intro to Acting	Semester	
ART 105	Intro to Theater	Semester	
ART 204	Creative Movement	Semester	
ART 304	Acting & Scene Study	Semester	Prereq: Intro to Acting
HIST/ART 307	American Popular Music: The Confluence of History, Culture and Race	Semester	Co-listed in History
ENG/ART 417	Advanced English Seminar: Playwriting	Semester	Co-listed in English

Visual Arts

CODE	COURSE	LENGTH	NOTES
ART 106 ART 206 ART 306	Studio Practices 1 Studio Practices 2 Studio Practices 3	Semester	
ART 107	2D Digital Design	Semester	
ART 108 ART 208 ART 308	3D Foundations Ceramics 2 Ceramics 3	Semester	
ART 109 ART 209 ART 309	Photography 1 Photography 2 Photography 3	Semester	
ART 110 ART 210 ART 310	Filmmaking 1 Filmmaking 2 Filmmaking 3	Semester	

Theology & Religious Studies

CODE	COURSE	LENGTH	NOTES
THEO 201	World Religions	Semester	
HIST/THEO 207	US History 2: History of Christianity in America	Semester	Co-listed in History
ENG/THEO 403	AES: The Bible as Literature	Semester	Co-listed in English
ENG/THEO 413	AES: Spiritual Memoir	Semester	Co-listed in English
ENG/THEO 419	AES: Biblical Roots in Folk	Semester	Co-listed in English

*AES = Advanced English Seminar

Human Development

CODE	COURSE	LENGTH	NOTES
HEALTH 201	Human Development	Quarter	See below

Human Development is offered as a quarter course, required only for 10th grade students. This course may be taken as a sixth course for one quarter of the 10th grade year. Students who have taken a very similar course at another school in 9th or 10th grade may petition to have their course accepted in lieu of Human Development. Health courses prior to 9th grade may not replace Health 201.

Senior Capstone

CODE	COURSE	LENGTH	NOTES
CAPSTONE 501	Senior Capstone	Year	See below

Senior Capstone is a required year-long independent research course for 12th graders.

COURSE PROGRESSION

Suggested Courses for Grade 9

Students are required to take five courses each semester. The following are guidelines for course selection by grade.

SUBJECT	CODE	COURSE
English	ENG 101	Foundations of Language & Literature
World Languages	LANG 101 or 201 LANG 103 or 203	French 1 or French 2 Spanish 1 or Spanish 2
History	HIST 101	Foundations of Modern Society
Science	SCI 101	Biology
Math	MATH 101 MATH 150	Algebra 1 Geometry
Arts	ART 101 ART 102 ART 103 ART 104 ART 105 ART 106 ART 107 ART 108 ART 109 ART 110	Vocal Ensemble 1 (<i>may be taken as sixth course</i>) Music Ensemble 1 (<i>may be taken as sixth course</i>) Guitar 1 Intro to Acting Intro to Theater Studio Practices 1 2D Digital Design 3D Foundations Photography 1 Filmmaking 1

Suggested Courses for Grade 10

Students are required to take five courses each semester, plus Human Development for one quarter. Students may propose to take more or fewer classes by writing a formal proposal to the Academic Committee. An * indicates special requirements— please see the [Advanced Placement Program section](#).

SUBJECT	CODE	COURSE
English	ENG 201	Global Literature
World Languages	LANG 201 or 301 LANG 302 LANG 203 or 303	French 2 or French 3 Mandarin Chinese 3 Spanish 2 or Spanish 3
History	HIST 201 & 206-208; OR HIST 501	US History 1 AND US History 2 Seminar; OR AP US/AP European History: Advanced History of the West 1*
Science	SCI 201 SCI 251	Chemistry (<i>must have completed Biology</i>) Honors Chemistry (<i>must be strong in math & science</i>)
Math	MATH 201 MATH 251 MATH 301 or 351	Algebra 2 (<i>must have completed Geometry</i>) Honors Algebra 2 (<i>must be strong in math</i>) Precalculus or Honors Precalculus (<i>must be very strong in math</i>)
Theology & Religious Studies	THEO 201 HIST/THEO 207	World Religions US History 2: History of Christianity in America
Other	HEALTH 201	Human Development (<i>required quarter course</i>)
Arts	Any entry-level course (100s); ART 201 ART 202 ART 203 ART 204 ART 206 ART 208 ART 209 ART 210	See Suggested 9th grade offerings; Vocal Ensemble 2 Music Ensemble 2 Guitar 2 Creative Movement Studio Practices 2 Ceramics 2 Photography 2 Filmmaking 2

Suggested Courses for Grade 11

Students are required to take five courses each semester. Students may propose to take more or fewer classes by writing a formal proposal to the Academic Committee. An * indicates special requirements—please see the [Advanced Placement Program section](#).

SUBJECT	CODE	COURSE
English	ENG 401-440 ENG 501	Advanced English Seminars AP English Language & Composition*
World Languages	LANG 301, 401 or 501 LANG 302, 402 or 552 LANG 303, 403 or 503	French 3, French 4, or AP French Language & Culture* Mandarin 3, Mandarin 4, or Honors Mandarin 5 Spanish 3, Spanish 4, or AP Spanish Language*
History	HIST 301-307 HIST 404 HIST 501 HIST 503 HIST 507 HIST 508 HIST 552 HIST 553 HIST 601	Ancient Greece, Intro to Philosophy, and/or American Popular Music Ancient Africa: "The Echoes of Africa" AP US/AP European History: Advanced History of the West 1* AP Economics* (staffed by Math department) Foundations and Cognitive Psychology Statelessness and Civil Strife AP US Government and Politics* AP Psychology* AP Comparative Government & Politics*
Science	SCI 201 or 251 SCI 301 or 451 MATH/SCI 305 SCI 402-408 SCI 501 SCI 502 SCI 503 SCI 504	Chemistry or Honors Chemistry Physics or Honors Physics STEM Robotics 1 Exercise Physiology, Nutrition, Forest Ecology & Management, Freshwater Ecology & Management, and/or Marine Biology AP Biology* AP Environmental Science* AP Physics C: Mechanics* Biomechanics*
Math	MATH 201 or 251 MATH 301, 351 or 411 MATH 303 MATH/SCI 305 MATH 401 MATH 451 MATH 501 MATH 502 MATH 503 MATH or 551 or 552 MATH 601 or 602	Algebra 2 or Honors Algebra 2 Precalculus, Honors Precalculus or Advanced Precalculus Intro to Computer Science STEM Robotics 1 Financial Math and Mathematical Modeling Calculus AP Calculus AB* AP Statistics* AP Computer Science A* AP Calculus BC* (semester or full-year) Differential Equations or Linear Equations
Theology & Religious Studies	ENG/THEO 403 ENG/THEO 413 ENG/THEO 419	Advanced English Seminar: The Bible as Literature Advanced English Seminar: Spiritual Memoir Advanced English Seminar: Biblical Roots in Folk
Arts		<i>All courses are available to 11th grade students</i>

Suggested Courses for Grade 12

Students are required to take five courses each semester. Students may propose to take more or fewer classes by writing a formal proposal to the Academic Committee. An * indicates special requirements—please see the [Advanced Placement Program section](#).


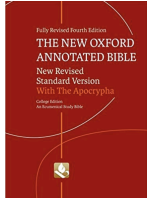
SUBJECT	CODE	COURSE
English	ENG 401-440 ENG 501 or 601	Advanced English Seminars AP English Lang & Comp*, or AP English Lit & Comp*
World Languages	LANG 401 or 501 LANG 402 or 552 LANG 403, 503 or 603	French 4, AP French Language & Culture* Mandarin 4 or Honors Mandarin 5 Spanish 4 or AP Spanish Language* or AP Spanish Literature*
History	HIST 301-307 HIST 404 HIST 501 HIST 503 HIST 507 HIST 508 HIST 552 HIST 553 HIST 601	Ancient Greece, Intro to Philosophy and/or American Popular Music Ancient Africa: "The Echoes of Africa" AP US/AP European History: Advanced History of the West 1* AP Economics* (staffed by Math department) Foundations and Cognitive Psychology Statelessness and Civil Strife AP US Government and Politics* AP Psychology* AP Comparative Government & Politics*
Science	SCI 301 or 451 MATH/SCI 305 SCI 402-408 SCI 501 SCI 502 SCI 503 SCI 504 SCI 601	Physics or Honors Physics STEM Robotics 1 Exercise Physiology, Nutrition, Forest Ecology & Management, Freshwater Ecology & Management, and/or Marine Biology AP Biology* AP Environmental Science* AP Physics C: Mechanics* Biomechanics* AP Physics C: Electricity & Magnetism*
Math	MATH 301, 351 or 411 MATH 303 MATH/SCI 305 or 405 MATH 401 MATH 451 MATH 501 MATH 502 MATH 503 MATH 551 or 552 MATH 601 or 602	Precalculus, Honors Precalculus or Advanced Precalculus Intro to Computer Science STEM Robotics 1 or STEM Robotics 2 Financial Math and Mathematical Modeling Calculus AP Calculus AB* AP Statistics* AP Computer Science A* AP Calculus BC* (semester or full-year) Differential Equations or Linear Equations
Theology & Religious Studies	ENG/THEO 403 ENG/THEO 413 ENG/THEO 419	Advanced English Seminar: The Bible as Literature Advanced English Seminar: Spiritual Memoir Advanced English Seminar: Biblical Roots in Folk
Arts		<i>All courses are available to 12th grade students</i>
Other	CAPSTONE 501	Senior Capstone (required year-long course)

COURSE DESCRIPTIONS

English Department


In all English courses at Holderness, the school's Core Values of Community, Character, and Curiosity become habits students practice as they grow into more effective critical and creative readers, writers, speakers, listeners, viewers, and thinkers. At every level, we aim to develop in students an increased self-awareness, a lifelong love of spoken and written language, and a commitment to engaging the world in its complexity and diversity.


The following pages contain descriptions of our English Department courses. An * indicates special requirements— please see the [Advanced Placement Program section](#). To order textbooks, click on the image of the book(s) next to the course description for direct purchasing options. If you would like to find the books through another vendor, be sure to take note of the exact ISBN numbers so you/your child has the correct book for class.

ENG 101 FOUNDATIONS OF LANGUAGE AND LITERATURE (formerly English 9)	TEXTBOOK(S)
<ul style="list-style-type: none"> This year-long course introduces students to literary study through interdisciplinary lenses. Focus is on developing essential and multisensory reading, writing, collaboration, critical thinking, and habits of mind. Students draw connections between their English study and their service learning during their March Experience, Project Outreach. 	<p><i>Texts may include: The Odyssey by Homer, American Born Chinese by Gene Luen Yang, A Christmas Carol by Charles Dickens, short stories by a variety of authors, along with a Shakespeare play. Teachers will communicate with students in time to order or purchase books.</i></p>
ENG 201 GLOBAL LITERATURE (formerly English 10)	TEXTBOOKS
<ul style="list-style-type: none"> This course presents literary study through global, social, and cultural contexts. Students engage in a keen exploration of themselves and our world through writing, literature, and discussion. They will read a variety of texts, write often and in a variety of modes, and participate through discussion, presentations, and creative endeavors. Students are expected to reflect on their own learning and be active participants in their development. 	
ENG/THEO 403 ADVANCED ENGLISH SEMINAR: THE BIBLE AS LITERATURE	TEXTBOOK
<ul style="list-style-type: none"> Is there a Bible on your shelf somewhere but you've never really read it? Did you know the Bible is more of a library than a book? Are the readings in chapel a total mystery to you? Have you ever encountered a biblical reference in another book and wished you knew more? Are you or a loved one named after a figure in the Bible but know little about the namesake? Do you wish to call yourself well read? These are just 	

<p>some of the questions that might lead you to consider taking this course. In The Bible as Literature, we will consider the ways the Bible animates historical and contemporary political rhetoric, and how it serves as an example of graceful and dramatic writing and storytelling, the influence of which is felt in ways we often take for granted.</p> <ul style="list-style-type: none"> The Bible as Literature is an upper-level semester course which provides an additional choice for students seeking to satisfy the graduation requirement in Theology & Religious Studies. Cross-listed in the Theology and English departments. 	
ENG 408 ADVANCED ENGLISH SEMINAR: CREATIVE WRITING	TEXTBOOK
<ul style="list-style-type: none"> Creative Writing is a course that encourages students to engage with their own creative process and to provide constructive feedback to their peers. The course promotes good writing habits with a rigorous writing and revision schedule. The class also provides space for students to read and engage with literature, both published and drafted by their peers, and to think about and deliver conscientious criticism. Over the semester, we'll consider questions such as, "What makes a good narrative?"; "Where are the lines between poems, stories, and nonfiction?"; "How can we learn from each other in order to write more compelling work?" 	<p><i>Exact texts will be determined by the teacher with plenty of time to purchase them in advance.</i></p>
ENG 412 ADVANCED ENGLISH SEMINAR: FILM THEORY AND CRITICISM	TEXTBOOK
<ul style="list-style-type: none"> This course focuses on helping students to develop the vocabulary, framework, and critical faculties needed to evaluate films and visual narratives more broadly. Students will be exposed to a number of films both past and present, as well as reviews and criticism by authors such as James Baldwin, Ralph Ellison, Zadie Smith, Joyce Carol Oates, Michael Chabon, and others. During the first quarter, we will focus on learning how to think more deeply and critically about films, as well as examining the argumentative frameworks available for expressing those thoughts via criticism. During the second quarter, students will shift toward constructing some of their own narratives as we look at the screenplay as a distinct literary genre. By the end of the course, students will have acquired the framework and rhetorical skills needed to engage in evaluations of and discussions about films from a variety of genres and time periods. 	<p><i>Exact texts will be determined by the teacher with plenty of time to purchase them in advance.</i></p>
ENG/THEO 413 ADVANCED ENGLISH SEMINAR: THE SPIRITUAL MEMOIR	TEXTBOOK
<ul style="list-style-type: none"> The Spiritual Memoir class will examine how people have processed topics related to faith and spirituality through the art of memoir. The class will read a variety of best-selling memoirists, such as Anne Lamott, C.S. Lewis, Simone Weil, Brian McClaren, Shauna Niequist, and Kate Braestrup, and consider how they processed the experiences of leaving 	<p><i>Texts may include the following: "Here if you need me" by Kate Braestrup, "Raising a Rare Girl" by Heather</i></p>

<p>or finding their faith community, traumatic events, or just everyday life. We will look at how their faith or spirituality helped them – or didn't help them – through these experiences and how their concept of God changed as they did. Students will also personally engage with the authors' central questions: Who/what/where is God? How do we make sense of unthinkable tragedy? What does it mean to live a "good life"? Who am I and where do I belong? This dual credit English and Theology course offers students the opportunity to not only read compelling literature, but also to wrestle with questions about the divine and reflect on their own life through practicing some memoir writing of their own.</p> <ul style="list-style-type: none"> The Spiritual Memoir is an upper-level semester course which provides an additional choice for students seeking to satisfy the graduation requirement in Theology & Religious Studies. Cross-listed in the Theology and English departments. 	<p>Lanier, "Finding Freedom" by Erin French. Exact texts will be determined by the teacher with plenty of time to purchase them in advance.</p>
<p>ENG 414 ADVANCED ENGLISH SEMINAR: THE SHORT STORY</p>	<p>TEXTBOOK</p>
<ul style="list-style-type: none"> This course is an intensive study of one of the most popular forms of fiction: the short story. Through an examination of stories by some of the greatest contemporary and historical writers, students will broaden their understanding of the intricacies of narrative theory and literary analysis while working to produce their own original short stories. Assigned authors could include James Joyce, Zora Neal Hurston, Flannery O'Connor, Jhumpa Lahiri, Bobbie Ann Mason, Louise Erdrich, ZZ Packer, George Saunders, and Kevin Wilson, among others. 	
<p>ENG 416 ADVANCED ENGLISH SEMINAR: GREEK LITERATURE: FROM THE MYTH TO THE MODERN</p>	<p>TEXTBOOK</p>
<ul style="list-style-type: none"> This course will explore the traditions of classical literature exemplified by classic Greek writers. Students will examine ancient poetic and theatrical works by the likes of Homer, Sappho, Sophocles, and Aristophanes, while learning about the foundations of modern literature and theater, and discussing the origins of the Greek tragicomic play, mythology, philosophy, and poetry. We'll then move into the reading of a modern Greek novel, in order to better trace the lineage of Greek literature in contemporary writing. This course will culminate in a March break trip to Greece. 	
<p>ENG/ART 417 ADVANCED ENGLISH SEMINAR: PLAYWRITING</p>	<p>TEXTBOOK</p>
<ul style="list-style-type: none"> This advanced semester-long elective provides students an opportunity to create work in playwriting. Students will acquire and develop skills for dramatic writing while increasing their comfort level with storytelling on the stage. Through the writing of monologues, scenes, and short plays, students will examine the techniques a playwright uses 	<p>Exact texts will be determined by the teacher with plenty of time to purchase them in advance.</p>


<p>to develop a story through plot and character. Instruction will focus on the craft basics: plot, character, conflict, structure, setting, dialogue, and formatting. Students will also analyze and critique existing plays through readings and viewings to gain context and understanding.</p> <ul style="list-style-type: none"> Playwriting is an upper-level semester course and is cross-listed in the Arts and English departments. 	
ENG/THEO 419 ADVANCED ENGLISH SEMINAR: BIBLICAL ROOTS OF FOLK	TEXTBOOK
<ul style="list-style-type: none"> Biblical Roots of Folk will examine the ways in which the Bible influenced the American folk tradition. We'll read selections from the Old Testament and trace these narratives in folk lyrics, beginning in the 1930s with Woody Guthrie, all the way through contemporary folk. We'll perform lyrical analyses with an eye toward biblical allusion, developing a shared religious vocabulary in order to better understand the profound influence the Bible has had on folk music and poetry. The course will begin by looking at Woody Guthrie and Jack Kerouac, and then move on to the works of Bob Dylan, Joan Baez, Judy Collins, Simon & Garfunkel, Peter, Paul and Mary, etc. These artists leaned on fundamental religious narratives in order to convey their own lyrical imagery and feeling. In addition to the Bible, readings might include <i>The Road</i> (Kerouac), <i>Bound For Glory</i> (Woody Guthrie), <i>Book of Longing</i> (Leonard Cohen), and <i>Chronicles</i> (Bob Dylan). 	
ENG 420 ADVANCED ENGLISH SEMINAR: SHAKESPEARE OUT LOUD	TEXTBOOK
<ul style="list-style-type: none"> In this class, students will work toward an understanding and appreciation of Shakespeare's plays through performance: their own and others'. Though not a film study or an acting class, analyzing movies, reading aloud, and performing scenes will be integral aspects of the class. Students will also write both creatively and analytically throughout the semester. Those interested should be willing to take creative risks and be a member of a supportive community. 	<p><i>Exact texts will be determined by the teacher with plenty of time to purchase them in advance.</i></p>
ENG 501 AP ENGLISH LANGUAGE & COMPOSITION*	TEXTBOOKS
<ul style="list-style-type: none"> The course aims to further student understanding and appreciation of the English language, particularly language used to argue and persuade. The class will study the logic of English usage, learn new words, and read writing that exemplifies precision and rhetorical force. In the first semester, content and assignments in the course will center on understanding and clarifying personal values, and weighing these against accepted societal values. The second semester will explore specific means of persuasion employed in American society. Articulate, deliberate, precise language will be encouraged and reinforced in writing assignments, oral reports, and class discussions. 	<p><i>For now, please hold off on ordering books, as required texts may vary by teacher. Texts could include <u>50 Essays</u>, <u>The Moon is Down</u>, and <u>Between the World and Me</u>, among others.</i></p>


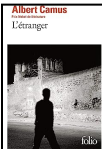


<ul style="list-style-type: none"> Our curriculum is designed with two factors in mind. First, it is intended to further the language development fostered in earlier grades of our school's English curriculum and prepare students (those juniors enrolled in the class) for their final year of secondary school. Second, it capitalizes on the specific goals of the Advanced Placement curriculum. The demands of the AP program diverge from our school's traditional curriculum—among them the focus of specific rhetorical techniques and language and the development of image analysis skills—require our enrolled students to be especially dedicated and diligent. 	
ENG 601 AP ENGLISH LITERATURE & COMPOSITION*	TEXTBOOKS
<ul style="list-style-type: none"> AP Literature & Composition focuses on the study of language used for artistic purposes. Students develop their analytical skills by reading poetry, novels, short stories, and plays. In addition to teaching students to appreciate the skillful use of rich, complex, evocative language, the class aims at developing students' writing skills. Most of the writing in AP Literature is analytic in nature, although some time is devoted to the college essay in September. The course is open to 12th graders and culminates in the taking of the Advanced Placement examination in May. 	 <p>+ <i>Crime & Punishment</i> (exact edition TBD)</p>



World Languages Department




The Holderness World Languages Department encourages students to achieve comprehension and mastery of a language other than their native tongue. Knowledge of at least one culture different from our own is essential in today's world. To this end, the school requires two years of study in one language and students are urged to continue beyond this minimal requirement. No single method or theory of language instruction is exclusively advocated by the department. Thoroughness of learning is the common emphasis. Students improve their ability to speak, listen, read, and write by using the language in the classroom as much as possible.

The following pages contain descriptions of our World Languages Department courses. An * indicates special requirements— please see the [Advanced Placement Program section](#). To order textbooks, click on the image of the book(s) next to the course description for direct purchasing options. If you would like to find the books through another vendor, be sure to take note of the exact ISBN numbers so you/your child has the correct book for class.

LANG 101 FRENCH 1	TEXTBOOK
<ul style="list-style-type: none"> The goals of the first two years of French are to develop concurrently the basic skills of reading, writing, speaking, and listening comprehension, and to expose the student to the culture of the francophone world. At the more advanced levels, the department emphasizes the development of reading and writing skills through the study of literature and current cultural texts, while continuing to provide grammar review. An Advanced Placement course is offered to qualified students with the permission of the department and the Dean of Academic Affairs. 	Teachers will help you purchase the correct textbook and VHL access codes on the first day of class.
LANG 201 FRENCH 2	TEXTBOOK
<ul style="list-style-type: none"> The goals of the first two years of French are to develop concurrently the basic skills of reading, writing, speaking, and listening comprehension, and to expose the student to the culture of the francophone world. At the more advanced levels, the department emphasizes the development of reading and writing skills through the study of literature and current cultural texts, while continuing to provide grammar review. An Advanced Placement course is offered to qualified students with the permission of the department and the Dean of Academic Affairs. 	Teachers will help you purchase the correct textbook and VHL access codes on the first day of class.
LANG 301 FRENCH 3	TEXTBOOK
<ul style="list-style-type: none"> French 3 is an intermediate course in French language and culture, bridging the levels of beginning language to advanced study. During the year, students continue their study of French grammar and become more proficient at interpreting, reading, speaking and writing directly in 	 Level 3

<p>the language. Students also continue their study of French and francophone cultures around the world.</p>	<p><u>Without textbook: 978-1-54338-802-2</u> OR <u>With textbook: 978-1-54339-453-5</u></p>
<p>LANG 401 FRENCH 4</p> <ul style="list-style-type: none"> French 4 continues the study of French language and serves as the preparatory semester for Advanced Placement French Language and Culture. Students develop greater proficiency in the details of French language through the study of advanced grammar, readings, discussion, and composition. The goals of the course are to develop the ability to discuss one's ideas coherently and logically in spoken and written French and to deepen one's knowledge and understanding of French civilization and francophone culture through readings in French and francophone literature. Seniors (only) have the option of taking French 4 as a first-semester course or as a full-year course. 	<p>TEXTBOOKS</p> <p>3rd Edition</p>  <p><u>with loose leaf textbook & Supersite 978-1-54332-003-9</u> AND</p> 
<p>LANG 501 AP FRENCH LANGUAGE AND CULTURE*</p> <ul style="list-style-type: none"> The AP French Language and Culture course emphasizes continued language acquisition, communication skills, and cultural knowledge and understanding. The course will be conducted exclusively in French, and students will practice on a daily basis their interpersonal, interpretive and presentational modes of communication and expression. The course organizes the study of literature, current events, and cultural topics under the umbrella of the six College Board designated themes: Science and Technology, Contemporary Life, Global Challenges, Aesthetics and Beauty, Family and Communities, and Private and Public Identities. Students are required to take the AP exam in May. 	<p>TEXTBOOK</p> <p>2nd Edition</p>  <p><u>With textbook: 978-1-54334-717-3</u> OR <u>Without textbook: 978-1-54334-413-4</u></p>
<p>LANG 302 MANDARIN CHINESE 3</p> <ul style="list-style-type: none"> The goals of the Mandarin Chinese program are to develop skills of reading, writing, speaking, and listening comprehension, and to develop students' understanding of Chinese culture. Students enrolled in Mandarin Chinese 3 will spend time focusing on daily conversation topics. Each successive course builds on the work done in previous years, leading to linguistic and cultural proficiency in the low intermediate level course. 	<p>TEXTBOOKS</p> 

LANG 402 MANDARIN CHINESE 4	TEXTBOOKS
<ul style="list-style-type: none"> The goals of the Mandarin Chinese program are to develop skills of reading, writing, speaking, and listening comprehension, and to develop students' understanding of Chinese culture. Students enrolled in Mandarin Chinese 4 will spend time focusing on daily conversation topics. Each successive course builds on the work done in previous years, leading to linguistic and cultural proficiency in the medium intermediate level course. Seniors (only) have the option of taking Mandarin 4 as a first-semester course or as a full-year course. 	
LANG 552 HONORS MANDARIN CHINESE 5	TEXTBOOKS
<ul style="list-style-type: none"> The goals of the Mandarin Chinese program are to develop skills of reading, writing, speaking, and listening comprehension, and to develop students' understanding of Chinese culture. Students enrolled in Mandarin Chinese 5 will spend time focusing on writing and speaking fluency in deeper and more complicated topics. Successfully completing this course will help students prepare for higher level Chinese courses in college. 	
LANG 103 SPANISH 1	TEXTBOOK
<ul style="list-style-type: none"> The aim of the first two years of Spanish is to help students achieve a mastery of basic written and spoken language, and to introduce Spanish and Hispanic history and culture. The Spanish 1 and Spanish 2 courses stress vocabulary, grammar, syntax, and pronunciation. Students and teachers use internet sources alongside the textbook to engage with real-life situations, current events and to look at the cultural differences and similarities between what we study and the students' own experiences. 	<p>Teachers will help you purchase the correct textbook and VHL access codes on the first day of class.</p>
LANG 203 SPANISH 2	TEXTBOOK
<ul style="list-style-type: none"> The aim of the first two years of Spanish is to help students achieve a mastery of basic written and spoken language, and to introduce Spanish and Hispanic history and culture. The Spanish 1 and Spanish 2 courses stress vocabulary, grammar, syntax, and pronunciation. Students and teachers use internet sources alongside the textbook to engage with real-life situations, current events and to look at the cultural differences and similarities between what we study and the students' own experiences. 	<p>Teachers will help you purchase the correct textbook and VHL access codes on the first day of class.</p>
LANG 303 SPANISH 3	TEXTBOOK
<ul style="list-style-type: none"> In the third and fourth years, students continue to expand their working vocabularies and grammatical understanding, and focus on writing and speaking with fluidity and idiomatic language. Students will study not only literary selections in Spanish, but will also use current events, pop culture, art and historical events to practice the language and increase their cultural understanding of the many Spanish-speaking 	<p>Teachers will help you purchase the correct textbook and VHL access codes on the first day of class.</p>

regions of the world. These courses are conducted almost exclusively in Spanish.	
LANG 403 SPANISH 4	TEXTBOOK
<ul style="list-style-type: none"> In the third and fourth years, students continue to expand their working vocabularies and grammatical understanding, and focus on writing and speaking with fluidity and idiomatic language. Students will study not only literary selections in Spanish, but will also use current events, pop culture, art and historical events to practice the language and increase their cultural understanding of the many Spanish-speaking regions of the world. These courses are conducted almost exclusively in Spanish. Seniors (only) have the option of taking Spanish 4 as a first-semester course or as a full-year course. 	<p>5th Edition</p>  <p>With loose leaf text: 978-1-54337-433-9 OR Without textbook: 978-1-54336-816-1</p>
LANG 503 AP SPANISH LANGUAGE*	TEXTBOOK
<ul style="list-style-type: none"> The AP Spanish Language and Culture course emphasizes continued language acquisition, communication skills, and cultural knowledge and understanding. The course will be conducted exclusively in Spanish, and students will practice on a daily basis their interpersonal, interpretive and presentational modes of communication and expression. The course organizes the study of literature, current events, and cultural topics under the umbrella of the six College Board designated themes: Science and Technology, Contemporary Life, Global Challenges, Aesthetics and Beauty, Family and Communities, and Private and Public Identities. Students are required to take the AP exam in May. 	<p>ISBN: 0130679275</p>  <p>Students may get a used copy (in good condition) from a place like Abebooks or Thriftbooks</p>
LANG 603 AP SPANISH LITERATURE*	TEXTBOOK
<ul style="list-style-type: none"> The AP Spanish Literature and Culture course is a survey of Spanish and Hispanic literary works ranging from the 13th century to the 21st century. Students read and analyze poetry, prose, essays and theater pieces from several time periods, including such notable works as Cervantes' El ingenioso hidalgo don Quijote de la Mancha (excerpts), Lorca's La casa de Bernarda Alba, and poetry by Sor Juana Ines de la Cruz. Students refine their analytical writing skills through comparative essays and shorter, interpretive pieces. Much of the class time is spent discussing the readings; students thus hone their speaking skills as well. The class is conducted exclusively in Spanish. Students are required to take the AP exam in May. 	 <p><i>If you purchase a used textbook, make sure there is no writing in it.</i></p>

History Department

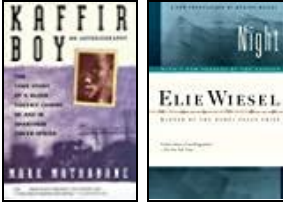
All courses in history at Holderness School emphasize the need to read critically, think carefully, and communicate clearly. Teachers attempt to instill the idea that “history” is an ever-changing, individual reinterpretation of the past. To understand history one must therefore understand the historian. Students are challenged to think for themselves, engage their peers’ ideas and to balance the different interpretations of our past as they establish and hone historical thinking skills.

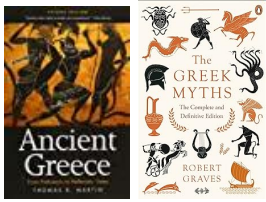
All ninth grade students are required to take “HIST: 101: Foundations of Modern Society,” a one-semester course, and all tenth grade students must take a year of US History. After these introductory courses, students are well positioned to embrace our upper-level electives. The history requirement is two full years, and thus at some point in their 11th or 12th grade year students take a minimum of one semester of history. In the upper levels of the curriculum, students may begin to branch out into the social sciences of comparative government, media studies, psychology or economics. Two intellectual history offerings allow students to foray into philosophy. We also offer several area studies courses.

HISTORY: Path to Graduation 2 Years of History is required; Must include 1 year of US History			
9th	•Foundations of Modern Society (semester-length course) <u>Required for all 9th graders</u>		
10th	US History <u>One year required for graduation</u>		
	<u>Full Year - AP Coursework</u> •Advanced History of the West 1* <i>A 2-year course, which combines AP United States and AP European History. AHOW 1 is the only advanced history course available for 10th graders. AHOW 2 is for 11th graders only.</i>	<u>1st Semester</u> US History 1	<u>2nd Semester</u> US History 2 Seminar •An African American History for Today •History of Christianity in America • Revolution and Resistance: American Politics in 1960's & 70's
11th & 12th	Non-US History <u>At least 1 semester required to graduate</u>		
	<u>Full Year - AP Coursework</u> •Adv. History of the West 1 & 2* •AP US Government and Politics* •AP Comparative Government* •AP Economics*	<u>1st Semester</u> •Intro to Philosophy •American Pop Music •Ancient Africa •Foundations of Cognitive Psychology	<u>2nd Semester</u> •Ancient Greece •Statelessness & Civil Strife •AP Psychology*

*[See AP requirements](#)

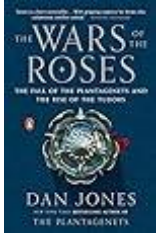
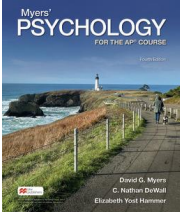
The following pages contain descriptions of our History Department courses. An * indicates special requirements—please see the [Advanced Placement Program section](#). To order textbooks, click on the image of the book(s) next to the course description for direct purchasing options. If you would like to find the books through another vendor, be sure to take note of the exact ISBN numbers so you/your child has the correct book for class.

HIST 101 FOUNDATIONS OF MODERN SOCIETY	TEXTBOOKS
<ul style="list-style-type: none"> All ninth grade students are required to take Foundations of Modern Society, a one-semester course. Emphasizing fundamental historical thinking skills through diverse case studies, this course serves as a unifying academic experience for the students and is a foundation for their future studies in history. It is intentionally broad in scope and teachers employ 3-4 diverse content areas to grapple with the essential question: What are the forces that lead to conflict? While the specific units vary from year to year and teacher to teacher, there is a special focus on the transitions of power and authority, the way perception of the “other” can form a group, and the way an idea can develop a group identity. There is an explicit focus on developing in each student an understanding that every source, primary or secondary, is an interpretation. Current topics include antisemitism in the 19th century, women and war (Artemisia in the ancient war between Greeks and Persians, for example), and more broadly exploring humanity's "State of Nature" with comparative approaches between the ancient and modern worlds. 	
HIST 201 US HISTORY 1	TEXTBOOK
<ul style="list-style-type: none"> This semester-length required US History course will be the starting point for all future historical inquiry at Holderness. The course will focus on the development of the Constitution and the Reconstruction eras. These foundational topics will introduce themes of a variety of civil liberties, but notably freedom of speech and suffrage. The essential question will be: What does it mean to be a US citizen? 	<p><i>No textbook required.</i></p>
HIST 206 US HISTORY 2: AN AFRICAN AMERICAN HISTORY FOR TODAY	TEXTBOOK
<ul style="list-style-type: none"> This course will consider what it means to be both African and American in today's United States by considering often overlooked African-American voices of our past and present. By using such touchstone moments as the arrival of the first Africans to the British colonies, early slave rebellions, the American Revolution, the Civil War, Reconstruction, the Civil Rights Era, the Obama Presidency, and the Black Lives Matter movement, students will discover a new, richer history that predates the Founding Fathers. 	<p><i>No textbook required.</i></p>

HIST/THEO 207 US HISTORY 2: HISTORY OF CHRISTIANITY IN AMERICA	TEXTBOOK
<ul style="list-style-type: none"> This dual credit History and Theology course takes a deep dive into the evolution of the Christian faith since its arrival on American soil. The course will examine how Christian theology and social movements have reciprocally impacted each other and how this has shaped American identity, values, and culture. We will look at major events such as: colonization, The Great Awakening, Slavery and the Civil War, the Great Revival, the ordinations of women, the emergence of the black church, and The Civil Rights Movement. Throughout the semester students will engage in a variety of primary sources and learn how to extract theological claims and arguments. Students will also have an opportunity to research a topic of their own choosing, exploring the religious landscape throughout American history not limited to the Christian faith. The class will culminate with a look into modern American Christian culture and theology, and its challenges and opportunities. While the class is focused on the history of the Christian faith, students only need a sense of intellectual curiosity and a commitment to learning in order to do well and develop valuable skills. 	<p><i>No textbook required.</i></p>
HIST 208 US HISTORY 2: REVOLUTION AND RESISTANCE: AMERICAN POLITICS IN 1960'S & 70'S	TEXTBOOK
<ul style="list-style-type: none"> This semester-long course offers a comprehensive exploration of the transformative era spanning the 1960s and 1970s, with a focus on its profound impact on the nation's political landscape. Delving into the themes of “resistance” and “revolution”, this course analyzes the dynamic interplay between social movements, cultural shifts, and political developments during this tumultuous period. From the civil rights movement to the Vietnam War, from the emergence of the “Hippie”, to the rise of conservatism and Watergate, students will examine how grassroots resistance and revolutionary fervor altered American politics, challenged existing power structures and catalyzed significant legislative and societal changes. 	<p><i>No textbook required.</i></p>
HIST 301 ANCIENT GREECE	TEXTBOOK
<ul style="list-style-type: none"> In this survey course (with a thematic approach), students will learn the history of ancient Greece. Topics covered in this course include Greek warfare, the Trojan War, Greek mythology, the origins of democracy, the Golden Age of Athens, Sparta, The Persian Wars, The Peloponnesian War, and Alexander the Great. Students will learn how the ancient Greeks influenced modern society and how they left behind a rich cultural and political legacy that still affects us today. 	

HIST 302 INTRO TO PHILOSOPHY	TEXTBOOK
<ul style="list-style-type: none"> What do I know? Why do I exist? Where does evil come from? These are just some of the questions this course attempts to answer. Introduction to philosophy aims to teach students how philosophy emerged in ancient times, from the presocratics like Thales of Miletus, to more established and recognized ancient philosophers like Socrates and Aristotle, and how they influenced later thinkers like Hypatia and Seneca. Besides covering famous philosophers, this course attempts to introduce students to life's most riveting questions using both ancient and modern philosophy, and philosophy in today's popular media like Star Wars. 	
HIST/ART 307 AMERICAN POPULAR MUSIC: THE CONFLUENCE OF HISTORY, CULTURE AND RACE	TEXTBOOK
<ul style="list-style-type: none"> The course will offer students interested in music, history, cultural studies, ethnic studies, or just simply enjoys Pop music a chance to explore the rich, complicated, and at times, bewildering history of American Popular Music. This course is intended to help students think creatively and critically about popular music. We will study the most significant styles of American music in chronological order, beginning with the roots and continuing through the present day. We will explore several recurring themes throughout the course: <ul style="list-style-type: none"> The interaction of European American, African American, and Latin American traditions The influence of mass media and technology (printing, recording, radio, video, Internet) The role of popular music as a symbol of identity (race, class, gender, generation) 	
HIST 404 ANCIENT AFRICA: "THE ECHOES OF AFRICA"	TEXTBOOK
<ul style="list-style-type: none"> In this semester-long course, students will delve into the Ancient and Medieval periods of African History. We will analyze the migration that the Bantu people took across the continent, the cultures that developed out of their migration and settlement, and the mythology that was birthed from these diverging groups. How did the various civilizations govern? What materials and resources did they value? What were the societal norms? How did the geography they existed in play a role in their communal growth? We will travel to the farthest reaches of the African continent, analyzing the interactions between these diverse civilizations as well as their accounts of foreign travelers. By the end of the semester, students will have a strong understanding of the role this massive continent and her fascinating cultures played in history. 	<p><i>Required textbook:</i></p>  <p><i>Additional textbook:</i></p> 

HIST 501 & 502 AP US/AP EUROPEAN HISTORY: ADVANCED HISTORY OF THE WEST 1 & 2*	TEXTBOOKS
<ul style="list-style-type: none"> • Application required • This two year course, beginning in the 10th or 11th grade year, will prepare students for both the Advanced Placement European History Exam and the Advanced Placement US History Exam. Students must submit an application and will be vetted for admission. This course will employ a broader lens to explore historical phenomena on both sides of the Atlantic embracing the globalized approach of modern historical research. Study of the American constitution, for example, will be endowed with prior study of the Enlightenment. Students will be expected to engage in a project in the summer between the two years of the course. Students will take both exams, but may petition to take only one at the end of their second year of the course (in their junior or senior year). This course will be team taught (either two teachers ½ time, or two teachers full time) for the first iteration of the course. 	<p>Year 1 Texts</p>  <p>Year 2 Text</p> 
HIST 503 AP ECONOMICS*	TEXTBOOK
<ul style="list-style-type: none"> • This course counts as a History course and is staffed by the Math department. • A year-long course which is broken into two parts AP Macroeconomics in the first semester and AP Microeconomics in the second semester. Macroeconomics will give students an understanding of the economy as a whole. Students will look at what is happening at a national level. This course allows the student to think more about theory and abstract ideas in economics. Students will learn about the national debt, GDP in different countries, international economics, and an economy's growth. Microeconomics will give the students an understanding of the basic principles of economics based on what consumers and producers do as individuals in an economy. Microeconomics consists of more math concepts, for example, using the supply and demand graphs. We will look at specifics in an economy rather than the whole economy. Students will learn the basic concepts of microeconomics, different product markets and how they work, supply and demand, and the role of the government. 	<p><i>No textbook required.</i></p>
HIST 507 FOUNDATIONS OF COGNITIVE PSYCHOLOGY	TEXTBOOKS
<ul style="list-style-type: none"> • Students will learn about the basis of psychological theories and examine the complex nature of how biology, memory, intelligence, and other mental processes impact human behavior. The semester will cover major historical figures in psychology, theoretical approaches to describing behavior, a variety of research methods used by psychologists, as well a focus on the biology of the mind and the psychology of learning and cognition. Students will consistently work to connect psychological concepts and theories to real-life scenarios. 	 <p><i>Click the book above to access the direct purchasing link.</i></p>

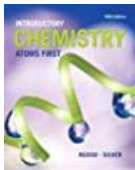
HIST 508 STATELESSNESS AND CIVIL STRIFE	TEXTBOOKS
<ul style="list-style-type: none"> In this semester-long course, we will grapple with 5 examples of when the state ceases and how the people of a given location were impacted. Through the writings of various political philosophers, students will develop a strong knowledge on the concept of the state, perspectives on the lack thereof, and the role that the citizens play in both instances. We will then entertain in-depth case studies of historical periods in Japan, China, England, Southern Africa and Afghanistan. Students will develop an understanding of how the different cultures and people react to periods of near anarchy, and what forms of government emerged from such chaotic environments. 	
HIST 552 AP US GOVERNMENT AND POLITICS*	TEXTBOOKS
<ul style="list-style-type: none"> AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project. 	<p>Summer Reading:</p>  <p>Textbook:</p> 
HIST 553 AP PSYCHOLOGY*	TEXTBOOKS
<ul style="list-style-type: none"> Prerequisite: Foundations and Cognitive Psychology Students will spend the semester continuing to prepare for the AP Exam. Students will focus on Social Psychology, Personality Psychology, Developmental Psychology, Psychological Disorders, and Therapeutic Interventions. 	 <p><i>Click the book above to access the direct purchasing link.</i></p>
HIST 601 AP COMPARATIVE GOVERNMENT & POLITICS*	TEXTBOOKS
<ul style="list-style-type: none"> This year-long course prepares students for the AP Comparative Government and Politics exam. The course uses a comparative approach to examine the political structures, policies, and challenges of six core countries: the United Kingdom, China, Mexico, Russia, Nigeria, and Iran. In addition to the democratic and authoritarian nations listed above, the course will reach to include India and North Korea - notable exceptions from the AP curriculum. 	  <p>Summer Read Textbook</p>

Science Department

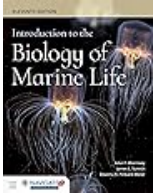
The science faculty cultivates an appreciation for the role of science in society while providing foundations in the disciplines of Environmental Science, Biology, Chemistry and Physics. Teachers emphasize the scientific method as a process for problem-solving in their course work, which includes a lab component. Students of science are guided toward an understanding of the need for both discipline and imagination in their pursuit of a greater mastery of course constructs.

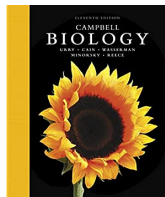

The faculty is also dedicated to raising student awareness of the way that humans interact with the natural environment and the role that the sciences play in those interactions. We hope that our students will leave their courses better prepared to make intelligent choices as voters and consumers.

The following pages contain descriptions of our Science Department courses. An * indicates special requirements— please see the [Advanced Placement Program section](#). To order textbooks, click on the image of the book(s) next to the course description for direct purchasing options. If you would like to find the books through another vendor, be sure to take note of the exact ISBN numbers so you/your child has the correct book for class.

SCI 101 BIOLOGY	TEXTBOOK
<ul style="list-style-type: none"> This course introduces students to essential principles of biology: cells, chemistry of life, genetics, evolutionary theory, biological diversity, and organism structure and function. Human anatomy and physiology are emphasized. Students use the framework of the scientific method to explore the living world in laboratory investigations. They are challenged to learn highly detailed material in order to gain greater appreciation for the diversity of life on earth, to understand prevailing thinking on the origin and evolution of living things, and to develop a clear sense of how Homo sapiens fit into this intricate web. 	<p>Students will rent the <i>2019 Miller & Levine Biology</i> text from the school. The cost is \$56/year. Students will sign this agreement when they receive their text.</p>
SCI 201 CHEMISTRY	TEXTBOOK
<ul style="list-style-type: none"> This course is designed to explore the fundamental nature of matter and study its physical and chemical characteristics. Students engage in laboratory activities that reinforce the scientific method, apply knowledge to real-world applications, and integrate technology in the science classroom. The honors course differs from regular chemistry in its more strenuous mathematical component, complexity, and depth of theory studied. 	
SCI 251 HONORS CHEMISTRY	TEXTBOOK
<ul style="list-style-type: none"> Though this is a demanding college preparatory course, the teachers encourage an appreciation of the role chemistry plays in our daily lives outside of the classroom. Simply stated, chemistry is the study of matter and the changes it undergoes. This course is designed to challenge students' problem-solving skills while covering the concepts of a 	<p>No textbook required.</p>

traditional introductory college preparatory course. Students are given the opportunity to explore the world around them through lab work, class discussions, and activities including an in-depth look at the chemistry of the food we eat and a study of the gasses in our atmosphere.	
SCI 301 PHYSICS	TEXTBOOK
<ul style="list-style-type: none"> Physics examines four basic areas of study: mechanics, electricity and magnetism, thermal energy, and modern physics. The objective of this course is to provide students with the opportunity to identify four unifying themes of science: scale, models (physical, mathematical, or conceptual), constancy and change, and systems. 	<i>No textbook required.</i>
MATH/SCI 305 STEM ROBOTICS 1	TEXTBOOK
<ul style="list-style-type: none"> As an introductory course in robotics the students will learn JAVA computer programming as well as problem solving strategies. This course will involve students in the development, building and programming of a Tetrix robot. Working in teams they design, build, program and document their progress. Topics include motor control, gear ratios, torque, friction, sensors, timing, program loops, logic gates, decision-making, timing sequences, propulsion systems and binary number systems. Student designed robots will be programmed to compete in a variety of autonomous and remote controlled challenges. 	<i>No textbook required.</i>
SCI 402 EXERCISE PHYSIOLOGY	TEXTBOOKS
<ul style="list-style-type: none"> In this course, students will study acute and chronic physiological responses to exercise. Muscle, environmental physiology, practical physiology testing, energy metabolism, and cardiovascular function in response to exercise training will be emphasized in the classroom and applied to laboratory activities. Objectives: Students who successfully complete the requirements for this course will: <ul style="list-style-type: none"> Have a foundational understanding of the complex nature of the human organism from a physiological perspective. Understand the muscular and energy physiological demands from an inactive state to an active state. Understand the acute physiological responses to exercise. Understand the chronic physiological adaptations to exercise. Have mastered basic physiological laboratory experiments and procedures. 	<i>Textbooks will be assigned in class.</i>
SCI 404 NUTRITION	TEXTBOOK(S)
<ul style="list-style-type: none"> This is an introductory course in nutrition. The focus of the course will be placed on evidence-based nutritional strategies to meet the nutrient and energy demands of basic life functions, physical activity, exercise and athletic performance. Scientific literature will be used to evaluate nutritional information found in the media, claims for dietary supplements and popular diets. 	<i>Coming soon.</i>

MATH/SCI 405 STEM ROBOTICS 2	TEXTBOOK
<ul style="list-style-type: none"> The STEM Robotics II course builds upon the skills students learned in STEM Robotics I. Working in teams, students will design, build, and program Tetrix robots which must complete more complex and more precise tasks with less margin for error than the projects in STEM Robotics I. 	<i>No textbook required.</i>
SCI 406 FOREST ECOLOGY AND MANAGEMENT	TEXTBOOK
<ul style="list-style-type: none"> This course examines forest ecology from the ground up, starting with geology, to pedology, and moving up to biogeochemistry and tree physiology. Once they gain a general understanding of how forests work, students will work with a partnering forester to create a forest management plan for the forests on campus. Jon Martin of Martin Forestry Consulting in Bridgewater has already offered to help students create this report. This course will also include units on the impacts of and adaptations for climate change, as well as topics around Social Forestry and indigenous forestry practices. 	<i>Coming soon.</i>
SCI 407 FRESHWATER ECOLOGY AND MANAGEMENT	TEXTBOOK
<ul style="list-style-type: none"> This course will take a similar ground-up approach to Forest Ecology & Management, starting with the physiography of lakes, ponds, rivers, and streams, moving up to hydrology, water quality, and macroinvertebrates followed by cold water and warm water fisheries. It will take advantage of the equipment and training in New Hampshire Fish & Game's Watershed Education Program. This will allow electro-fishing surveys of the brook on campus, the hatching and rearing of trout in the classroom, and/or the creation and maintenance of a warm water fish tank in Davis for observing and teaching about those species. 	<i>Coming soon.</i>
SCI 408 MARINE BIOLOGY	TEXTBOOK
<ul style="list-style-type: none"> This Marine Biology course will focus on the habitats, conditions and organisms in the marine environment. Students will learn about the chemical and physical oceanographic processes that influence the biological features of marine life. The course will examine various marine habitats and how their conditions affect the types of organisms that inhabit them. Additionally, students will examine the various marine phyla and their unique adaptations. Lastly, the course will focus on threats to ocean ecosystems and potential mitigation strategies. This course will conduct laboratory experiments and use case studies to further student understanding of the concepts. 	 <p><i>11th edition. John Morrissey and James L. Sumich</i></p>
SCI 451 HONORS PHYSICS	TEXTBOOK
<ul style="list-style-type: none"> The Honors Physics course is a rigorous, math-intensive introduction to the subject. The bulk of the course is devoted to the study of mechanics, or the behavior of particles subject to systems of forces, and includes 	<i>No textbook required.</i>

<p>topics such as one- and two-dimensional kinematics, Newton's Laws, momentum, mechanical energy, rotational motion, gravitation, and oscillations. During the final quarter of the year students examine a variety of modern topics, particularly electricity and magnetism. The course emphasizes collaborative work and problem-solving techniques and involves frequent lab work. The course is designed to develop a solid foundation for college-level physics and to instill an appreciation for and curiosity about the complexity of the universe.</p>	
SCI 501 AP BIOLOGY*	TEXTBOOK(S)
<ul style="list-style-type: none"> The AP Biology course covers the entire Advanced Placement curriculum, fully preparing students for the AP exam. There is a comprehensive laboratory component to the course, which includes applications of recombinant DNA technologies and experience using modern lab techniques and equipment. The AP Biology course assists students in organizing biological concepts and topics into a coherent conceptual framework, helps students internalize and effectively utilize the processes of scientific reasoning, and helps them develop or enhance their interest in biology and gain a sense of the subject's relevance to their everyday lives. Students are expected to take the AP exam in May. 	
SCI 502 AP ENVIRONMENTAL SCIENCE*	TEXTBOOK(S)
<ul style="list-style-type: none"> The goal of the Advanced Placement Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems, both natural and human made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Environmental Science is interdisciplinary; it embraces a wide variety of topics from different areas of study (e.g. biology, chemistry, earth science, geography), yet there are several major unifying themes that cut across the many topics included in the study of environmental science. The course takes advantage of the environs surrounding our campus for firsthand research. Students are expected to take the AP exam in May. 	
SCI 503 AP PHYSICS C: MECHANICS*	TEXTBOOK
<ul style="list-style-type: none"> AP Physics C is a demanding college-level course that requires the use of calculus. The course emphasizes collaborative work and problem-solving techniques. The course aims at covering Mechanics (one of the two Physics C AP examinations). Instruction includes video lectures and computer applets. In class, students will engage in problem sets and labs. Labs – both virtual and real – will be done on a weekly basis. This course is designed to replace introductory college physics courses designed for physics and engineering majors. 	<p><i>No textbook required.</i></p>

SCI 504 BIOMECHANICS*	TEXTBOOK
<ul style="list-style-type: none"> This course is an upper level class for students interested in physics and how physical principles tie into living and manmade systems. The course will be largely split into fluid mechanics and solid mechanics. The fluid mechanics portion will focus on a few principles of flow such as the relationship between pressure and velocity, laminar vs turbulent flow, boundary layers, Reynolds number, and lift, drag and thrust. Lab investigations will include examining how these principles influence flow in the circulatory system, as well as the hydrodynamics and aerodynamics of living organisms and manmade structures. The solid mechanics portion of the course will first examine material properties and then will look at the different types of skeletal structures for living organisms. The culminating project for the solid portion will be designing a lower leg prosthetic. The entire course will periodically discuss biomimicry and how we can use natural systems and properties to influence our own design. Must have completed a course in Physics with a B or higher in Honors or AP Physics, or an A- or higher in non-honors/AP Physics. 	<p><i>Case studies and selected readings will take the place of a textbook.</i></p>
SCI 601 AP PHYSICS C: ELECTRICITY AND MAGNETISM*	TEXTBOOK
<ul style="list-style-type: none"> AP Physics C-E&M is a second-year AP physics class that is intended to replace a college-level introductory course in electricity and magnetism. The course makes extensive use of calculus techniques in the exploration of topics such as electric fields, electric potential, capacitance, circuits, magnetic fields, and electromagnetic induction. Students are required to work well both independently and in small groups, and labs involve long-term, independent projects. Due to the sophisticated conceptual material and mathematical techniques involved, it is strongly recommended that students complete AP calculus and AP physics C-M before taking the course. 	<p><i>No textbook required.</i></p>

Mathematics Department

The teaching of mathematics at Holderness is founded on a practice of collaboration that deepens understanding in two ways. First, we believe that working in partnership with others provides an important exercise in articulating mathematical thinking. Our students read or hear new concepts and then discuss this knowledge with their peers—a process that fosters both active and passive learning, as well as accountability. Second, in working collaboratively, our students develop their critical listening skills. As they seek to understand their peer collaborators, they develop openness and flexibility with regard to their mathematical analyses. Our department values are:

- **Connections:** Students are exposed not only to the many connections present within mathematics as a discipline, but also the exciting connections that occur between mathematics, other fields of study, and a variety of possible career paths. Our students use current events, data from websites and companies, and other available sources to apply classroom concepts to real world applications.
- **Collaboration:** Holderness students work in collaborative learning environments so as to deepen their understanding of mathematical concepts, allowing students the opportunity to articulate their own thinking and to develop the listening skills that allow them to enrich their understanding through teamwork.
- **Technology:** Students have the opportunity to learn and review concepts by using flipped classrooms created by teachers, video tutorials, and Smartboard classroom notes. Students are also able to hone problem solving skills by completing online practice problems. Technology, including graphing calculators and specialized software (e.g., Excel and Fathom), are introduced and explored as important tools to be used in the study of mathematics. We recognize that technology is an important tool; however we also believe that core skills and mental math are important.
- **Develop Independent and Critical Thinking:** We build math confidence. We develop a work ethic towards math. Through problem solving techniques, utilization of extra help, nightly homework, and group projects, our students learn to be confident mathematicians who can think creatively. We recognize that we are preparing our students for jobs and a world that is currently unknown to us and to them, and our goal is for them to be curious and able to adapt to difficult problems.

Math Department Policy on Summer Courses: To be eligible to advance ahead a year in math, you must have earned an A- or better for a final grade in the previous course in the sequence. (For example, to take Geometry over the summer, you must have earned an A- or better in Algebra 1. To take Precalculus over the summer, you must have earned an A- or better in Algebra 2 or Honors Algebra 2). If you would like to take a course over the summer in order to advance ahead a year in math, you must complete the following steps:


1. Take an in-person or online course that has been preapproved* by the Math Department and earn a B or better. You must then provide that transcript to Holderness School;
2. Take a placement test before the start of classes and earn at least 85%;
3. Complete all summer work for the course in which you are hoping to enroll.

Additional Notes on Summer Courses:

- *The approval must happen before you take the course. If you do not get the course approved, it will not count, even if you follow the other steps.
- Algebra 2 should be completed in a full academic year at Holderness or at another school. We believe it is too foundational a course to be done in the short time frame of one summer.
- If you take a Precalculus course over the summer, your only options for the fall will be AP Calculus AB or non-AP Calculus. AP Calculus BC will not be an option.

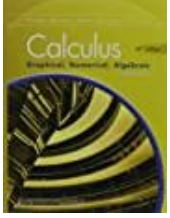
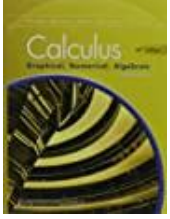
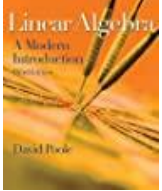
The following pages contain descriptions of our Mathematics Department courses. An * indicates special requirements— please see the [Advanced Placement Program section](#). To order textbooks, click on the image of the book(s) next to the course description for direct purchasing options. If you would like to find the books through another vendor, be sure to take note of the exact ISBN numbers so you/your child has the correct book for class.

MATH 101 ALGEBRA 1	TEXTBOOK
<ul style="list-style-type: none"> • This is a cornerstone course designed to prepare students to investigate and master more complex, but related, concepts studied over the balance of the mathematics curriculum. Students review the language of algebra, real number operations, and approaches used to solve linear equations before engaging in an expanded study of function graphing, linear analysis, methods of solving linear inequalities, and systems of both inequalities and linear equations. Multiplication of polynomials, factoring, and solving quadratic and exponential functions, together with simplification and evaluation of radical expressions, constitute the remainder of the course. 	<i>A TI-84 Plus calculator is required. No textbook required.</i>
MATH 151 GEOMETRY	TEXTBOOK
<ul style="list-style-type: none"> • This course covers the fundamental concepts of geometry, with algebra and discrete mathematical topics woven into the curriculum. Topics include reasoning and proof, building blocks of geometric shapes, congruence and similarity, right triangles and trigonometry, transformations of figures and equations, and surface area and volume. 	<i>A TI-84 Plus calculator is required. No textbook required.</i>
MATH 201 ALGEBRA 2	TEXTBOOK
<ul style="list-style-type: none"> • In this course, students continue the study of concepts introduced in Algebra I and Geometry. The concept of function is introduced and families of functions are introduced as important tools to explore, analyze, and make conjectures as we further develop mathematical problem-solving skills. Using real-world examples, students explore quadratic equations, polynomials, and operations of functions. Students also examine properties, applications, and graphs of absolute value, exponential, logarithmic, power, and radical functions. 	<i>A TI-84 Plus calculator is required. No textbook required.</i>
MATH 251 HONORS ALGEBRA 2	TEXTBOOK
<ul style="list-style-type: none"> • In this honors course, students continue the study of concepts introduced in Algebra I and Geometry. Concepts such as families of functions, transformation of functions, and modeling, and systems of 	<i>A TI-84 calculator is required. No textbook required. A small</i>

equations are introduced as important tools to explore, analyze, and make conjectures as we further develop mathematical problem-solving skills. Using real-world examples, students explore quadratic equations, polynomials, and operations of functions. Students also examine properties, applications, and graphs of absolute value, exponential, logarithmic, power and radical functions.	<i>subscription fee will be charged to your student account in the fall.</i>
MATH 301 PRECALCULUS	TEXTBOOKS
<ul style="list-style-type: none"> This course offers a more rigorous approach to the study of functions and to the topics needed for calculus. The emphasis of this course is on analysis through formal mathematical notation and the relation of mathematical concepts to real world scenarios. Major topics include linear, exponential, and logarithmic functions; trigonometric functions; polynomials; radical functions; mathematical limits; composition of functions; and inverses of functions. 	<i>A TI-84 calculator is required. No textbook required. A small subscription fee will be charged to your student account in the fall.</i>
MATH 303 INTRO TO COMPUTER SCIENCE	TEXTBOOK
<ul style="list-style-type: none"> This is an entry-level course in coding and robotics for students who wish to explore these topics. Beginning with the basic principles of computer science, students will learn to write code and program simple instructions into code editors as well as hardware applications such as Arduino or Raspberry Pi devices. Students will learn light mechanical skills, proper use of small electronics tools, basic electrical circuitry, and troubleshooting techniques. Languages covered may include but not be limited to Scratch, Arduino, and Python. 	<i>Coming soon.</i>
MATH/SCI 305 STEM ROBOTICS 1	TEXTBOOK
<ul style="list-style-type: none"> As an introductory course in robotics the students will learn Arduino computer programming as well as problem solving strategies. This course will involve students in the development, building and programming of a Tetrix robot. Working in teams they design, build, program and document their progress. Topics include motor control, gear ratios, torque, friction, sensors, timing, program loops, logic gates, decision-making, timing sequences, propulsion systems and binary number systems. Student designed robots will be programmed to compete in a variety of autonomous and remote controlled challenges. 	<i>No textbook required.</i>
MATH 351 HONORS PRECALCULUS	TEXTBOOKS
<ul style="list-style-type: none"> This course is designed for students who have completed Honors Algebra 2. Honors Precalculus covers all of the topics studied in the regular pre-calculus course; however, the pace is slightly faster than regular pre-calculus so that the students will be able to cover more trigonometry and topics that will prepare them for AP Calculus. By the end of the class the students will not only be introduced to topics that are vital to understanding Calculus, such as continuity and limits, but they will also be introduced to the derivative through the limit definition. 	 <p><i>*Students: email Ms. Wolf before buying—she has copies to borrow. A used book is encouraged. A TI-84 Plus calculator is required. Click here for a free electronic copy.</i></p>

MATH 401 FINANCIAL MATH AND MATHEMATICAL MODELING	TEXTBOOK
<ul style="list-style-type: none"> In this year-long course, students study mathematics in contexts and develop their abilities to problem solve, reason, and communicate. Real world situations provide the contexts for mathematical investigation. The topics include but are not limited to: logic, numeration, statistics, financial mathematics, history of mathematics, and functions. 	<p><i>A TI-84 Plus calculator is required. No textbook required.</i></p>
MATH/SCI 405 STEM ROBOTICS 2	TEXTBOOK
<ul style="list-style-type: none"> The STEM Robotics II course builds upon the skills students learned in STEM Robotics I. Working in teams, students will design, build, and program Tetrix robots which must complete more complex and more precise tasks with less margin for error than the projects in STEM Robotics I. 	<p><i>No textbook required.</i></p>
MATH 411 ADVANCED PRECALCULUS	TEXTBOOK
<ul style="list-style-type: none"> This course is designed for students who have done very well in Algebra II. Advanced Precalculus covers all of the topics studied in the regular pre-calculus course; however, the pace is slightly faster than regular pre-calculus so that the students will be able to cover more trigonometry and topics that will prepare them for AP Calculus. By the end of the class the students will not only be introduced to topics that are vital to understanding Calculus, such as continuity and limits, but they will also be introduced to the derivative through the limit definition as well as basic derivative rules. 	<p><i>A TI-84 Plus calculator is required. No textbook required.</i></p>
MATH 451 CALCULUS	TEXTBOOK
<ul style="list-style-type: none"> Calculus begins with a thorough review of standard high school mathematics in preparation for Calculus and the SAT. The class is designed to introduce students to important Calculus topics and to prepare them for college Calculus. The course will cover the conceptual basis of Calculus including the limit definition of the derivative and Riemann Sums. It will also cover in great detail the rules for differentiation and introduce the integral. By the end of the class students will be exposed to the applications of Calculus with Related Rate and Optimization problems. 	<div data-bbox="1224 1152 1365 1331" data-label="Image"> </div> <p><i>A used book is acceptable & encouraged. A TI-84 Plus calculator is required.</i></p>
MATH 501 AP CALCULUS AB*	TEXTBOOK
<ul style="list-style-type: none"> AP Calculus is primarily concerned with developing a student's understanding of the concepts of calculus through the use of the unifying themes of derivatives, integrals, limits, approximation, and applications and modeling. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. Students are expected to take the AP exam in May. 	<div data-bbox="1224 1551 1365 1730" data-label="Image"> </div> <p><i>A used book is encouraged. A TI-84 Plus calculator is required.</i></p>

MATH 502 AP STATISTICS*	TEXTBOOK
<ul style="list-style-type: none"> This is the high school equivalent of a one-semester, introductory college statistics course. In this course, students develop strategies for collecting, organizing, analyzing, and drawing conclusions from data, with a focus on univariate and bivariate data. Simulations and probability aid students in constructing models for chance phenomena and lead to the study of inference, where students learn to complete confidence intervals and hypothesis tests. Students use technology, such as the Ti calculator, Fathom, and online applets, to strengthen their understanding of statistical concepts. Throughout the year, students apply statistical skills learned in class to analyze data from a variety of sources, including data from our athletic teams, student-generated data, and online sources. The coursework culminates with an AP exam in May. 	<p><i>A TI-84 calculator is required. Access to the textbook will be provided with the summer work.</i></p>
MATH 503 AP COMPUTER SCIENCE A	TEXTBOOK
<ul style="list-style-type: none"> AP Computer Science A is a year-long course that introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. The course is designed For 11th and 12th grade students who have completed Algebra 2 with a grade of B or higher. 	<p><i>The textbook is online and access will be provided the first day of class.</i></p>
HIST 503 AP ECONOMICS*	TEXTBOOK
<ul style="list-style-type: none"> This course counts as a History course and is staffed by the Math department. A year-long course which is broken into two parts AP Macroeconomics in the first semester and AP Microeconomics in the second semester. Macroeconomics will give students an understanding of the economy as a whole. Students will look at what is happening at a national level. This course allows the student to think more about theory and abstract ideas in economics. Students will learn about the national debt, GDP in different countries, international economics, and an economy's growth. Microeconomics will give the students an understanding of the basic principles of economics based on what consumers and producers do as individuals in an economy. Microeconomics consists of more math concepts, for example, using the supply and demand graphs. We will look at specifics in an economy rather than the whole economy. Students will learn the basic concepts of microeconomics, different product markets and how they work, supply and demand, and the role of the government. 	<p><i>No textbook required.</i></p>

MATH 551 AP CALCULUS BC* (SEMESTER)	TEXTBOOK
<ul style="list-style-type: none"> AP Calculus BC is a semester course designed for students who have completed AP Calculus AB. The course is a continuation of Calculus AB and emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The course will cover advanced integration, differential equations, sequences and series, (including Taylor Series and Maclaurin Series), polar functions, and parametric functions. Students are expected to take the AP Calculus BC exam in May. 	 <p>A used book is acceptable & encouraged. A TI-84 Plus calculator is required.</p>
MATH 552 AP CALCULUS BC* (FULL-YEAR)	TEXTBOOK
<ul style="list-style-type: none"> Prerequisite: Advanced Precalculus at Holderness or permission by the department chair. AP Calculus is primarily concerned with developing a student's understanding of the concepts of calculus through the use of the unifying themes of derivatives, integrals, limits, approximation, and applications and modeling. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. Students are expected to take the AP exam in May. 	 <p>A used book is acceptable & encouraged. A TI-84 Plus calculator is required.</p>
MATH 601 DIFFERENTIAL EQUATIONS	TEXTBOOK(S)
<ul style="list-style-type: none"> Not offered in 2024-25; Differential Equations is a semester-long course for students who have completed AP Calculus AB and/or BC. Students will study ways to solve differential equations graphically, numerically, and algebraically. Students will also study the real world applications of these equations. 	<p>A TI-84 Plus calculator is required. No textbook required.</p>
MATH 602 LINEAR ALGEBRA	TEXTBOOK
<ul style="list-style-type: none"> Linear Algebra is a semester course for students who have completed AP Calculus AB and/or BC. There are widespread applications of Linear Algebra to business, engineering, and higher level mathematics. The main topics covered are systems of linear equations, matrices, Gaussian elimination, Gram-Schmidt orthogonalization, determinants, vector spaces, eigenvalues, and eigenvectors. Students explore a wide range of applications and may use computer software. 	 <p>*Students: email Ms. Wolf before buying the book—she has several copies available to borrow for the year</p> <p>A TI-84 Plus calculator is required.</p>

Art Department - Performing Arts

At Holderness, we believe that the arts are not a frill, but an essential means of developing creativity, imaginations, resourcefulness, teamwork, and self-discipline. The theater department mounts full-scale fall and spring productions in addition to regular coursework, helping students build skills of communication, analysis, problem-solving, and organization while working toward a common goal.

The Carpenter Arts Center—a spacious and sunny renovation of the original Holderness School gymnasium—features soundproof rehearsal rooms and a recording studio. The Hagerman Center—which features a 325-seat auditorium—hosts student and professional performances as well as weekly all-school assemblies.

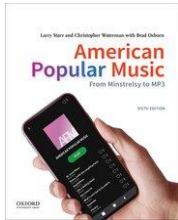
PERFORMING ARTS: Offerings & Progression				
Introductory Courses (9-12)		Intermediate Courses (10-12 with prerequisites OR approval)		Advanced Courses (10-12 with prerequisites)
Theater / Dance Courses	• Introduction to Acting	➡	• Acting & Scene Study	• Playwriting (x-listed in English; may be taken without other acting courses)
	• Introduction to Theater			
	• Creative Movement			
Music Courses	• Music Ensemble 1	➡	• Music Ensemble 2	➡
	• Vocal Performance 1	➡	• Vocal Performance 2	➡
	• Guitar 1	➡	• Guitar 2 • Music Production	➡
				• Advanced Music Ensemble
				• Guitar 3

The following pages contain descriptions of our Performing Arts courses. To order textbooks, click on the image of the book(s) next to the course description for direct purchasing options. If you would like to find the books through another vendor, be sure to take note of the exact ISBN numbers so you/your child has the correct book for class.

ART 101& 201 VOCAL ENSEMBLE	TEXTBOOK(S)
<ul style="list-style-type: none"> Vocal Ensemble will work on a variety of pieces written for mixed voice group singing, with the opportunity for solo and group work. The aim of each semester will be to expose students to the extensive world of vocal performance. Student performance opportunities include: chapel, assembly, open mic and winter and spring concerts. 	<i>No textbook required.</i>

ART 102, 202 & 302 MUSIC ENSEMBLE	TEXTBOOK(S)
<ul style="list-style-type: none"> • Open to students with some experience playing an instrument. May need teacher approval. • Students will play a variety of genres of music based on the abilities and instruments provided in the group as it varies year to year. The aim of each semester will be to expose students to a breadth of music, work on playing as an ensemble, solo/improvisation work, basic music comprehension and performing. 	<p><i>No textbook required.</i></p>
ART 103 GUITAR 1	TEXTBOOK
<ul style="list-style-type: none"> • Guitar 1 is a class for students who want to learn to play the guitar or further develop their guitar skills. The Guitar 1 curriculum provides a framework for students to learn a wide range of musical genres and styles while learning or mastering the fundamentals of playing the guitar. The course was developed primarily with beginners in mind, but whether you are new to the guitar or have been playing for years, all are welcome. During this semester-long course, students will learn and reinforce proper playing techniques, how to read traditional notation, how to play songs both in small and larger group contexts, music theory, improvisation, as well as major scales, minor scales, pentatonic scales and blues scales. Ultimately the key to improvement on a musical instrument is through one's dedication to daily practice. Although each student in the class usually has different levels of musical experience, with hard work and practice both in and outside of class, everyone in this class should see considerable musical growth throughout the semester. Guitar 1 is a fun and challenging class that introduces students to the joy of playing the guitar. 	<p><i>No textbook required.</i></p>
ART 104 INTRO TO ACTING	TEXTBOOK
<ul style="list-style-type: none"> • This semester-length course covers the foundations of acting: action, objective, emotions, motivation, movement, and voice. Through coursework focused on the history of drama and influential acting teachers and their methods, students will understand the context of this craft. Students will also develop essential skills such as focus, imagination, attention, observation, memorization, teamwork, and problem-solving through exercises, activities, and scene work. This course serves to strengthen students' skills and confidence on stage. 	<p><i>No textbook required.</i></p>
ART 105 INTRO TO THEATER	TEXTBOOK
<ul style="list-style-type: none"> • This introductory study of theater as an art form explores how a dramatic text transforms into a stage production. From audition to performance, this course takes the student through the creative process of staging a play. Depending on the season, the students serve as the production staff for the school play and are responsible for the significant aspects of the show. After participating in auditions, the students also build and design sets, costumes, and playbills. The students also study the fundamentals of acting, musical theater, and storytelling during the course. 	<p><i>No textbook required.</i></p>

ART 203 GUITAR 2	TEXTBOOK
<ul style="list-style-type: none"> Building on the foundation built in Guitar 1, Guitar 2 offers an elevated and more advanced experience in learning to play the guitar. Moving beyond the open position, students will explore playing scales in multiple positions on the guitar neck, reading in 2nd and 5th position on the guitar, learning the Minor Pentatonic Scale comprehensively all over the neck, as well as explore more sophisticated chords, barre chords, and wide use of a capo. Students will also explore classical style fingerstyle guitar, jazz styles, blues guitar, rock guitar, and self-expression through improvisation on the guitar. Students will also engage in self-directed independent projects which allows each student to explore their own specific musical interest under the mentorship of the instructor. This class will also focus on various forms of music making from solo to large ensemble pieces. Guitar 2 provides students with an exciting opportunity to continue their guitar studies at Holderness, while taking their playing to new levels of musical and instrumental artistry. 	<p><i>No textbook required.</i></p>
ART 204 CREATIVE MOVEMENT	TEXTBOOK(S)
<ul style="list-style-type: none"> Creative Movement is an active performance-based course that enhances overall fitness, movement range, and creativity. Techniques and skills are at levels appropriate to each student's dance experience. Students learn the four core elements of dance: basic dance steps, combinations, theories & contexts, and performance through daily class warm-ups, exercises, practice, and individual and group work. The emphasis is on fusing physical techniques and creative collaboration with social, cultural, and historical contexts. Classes include flow-through warm-ups designed to highlight strength and flexibility, movement across the floor ranging from basic locomotor to choreographed phrases, and exercises to develop motor learning by exploring the elements of movement - space, time, force, and shape. Students will develop an individual movement language. This course is for students and athletes alike. Through Creative Movement, they will understand the importance of using a variety of muscles and body parts, improving their overall athleticism, creativity, and flexibility on and off the field. 	<p><i>Coming soon.</i></p>
ART 303 MUSIC PRODUCTION	TEXTBOOK
<ul style="list-style-type: none"> This course is an introduction to music performance, composition, and appreciation. Students will be introduced to the work of prominent experimental musicians and explore their creative methods. Fundamental musical concepts will be explored including: perceptions of time, harmony, melody as spoken language, naturally occurring and man made music (ambient music vs. popular song forms), etc. Concepts will be incorporated during lab style creative projects, where discoveries are documented and shared as part of the peer learning process. Improvisation and various styles of notation are part of experiencing musical concepts. This is an ideal environment to begin creating music or continue a musical practice. 	<p><i>Textbooks will be assigned in class.</i></p>

ART 304 ACTING & SCENE STUDY	TEXTBOOK(S)
<ul style="list-style-type: none"> ● Acting experience either in the productions or Intro to Acting course required. Special exceptions may be requested from the teacher. ● Acting & Scene Study is a semester-long elective designed to allow students to create advanced work in acting. Students acquire and develop advanced skills for acting while increasing their comfort level with performing on stage. Through monologues, scene work, and exercises, students will examine an actor's techniques to develop a character. Activities include movement, sense memory, personalization, objective, beat work, and text analysis. This course will also provide opportunities to analyze, critique, and construct meanings from informal and formal theater, video, and film. 	Coming soon.
ART 305 GUITAR 3	TEXTBOOK(S)
<ul style="list-style-type: none"> ● Prerequisite of Guitar 2 or equivalent work with the guitar. ● Guitar 3 builds on the foundation that Guitar 1 and Guitar 2 have provided for students. The foundational principle of this class is to develop the student's individual skills to the advanced-intermediate level, while also preparing the student for corresponding performance opportunities. The curriculum of this course will provide a framework for students to learn a wide range of musical genres and styles while mastering advanced-intermediate skills of playing the guitar. 	No textbook required.
HIST/ART 307 AMERICAN POPULAR MUSIC: THE CONFLUENCE OF HISTORY, CULTURE AND RACE	TEXTBOOK
<ul style="list-style-type: none"> ● The course will offer students interested in music, history, cultural studies, ethnic studies, or just simply enjoys Pop music a chance to explore the rich, complicated, and at times, bewildering history of American Popular Music. This course is intended to help students think creatively and critically about popular music. We will study the most significant styles of American music in chronological order, beginning with the roots and continuing through the present day. We will explore several recurring themes throughout the course: <ul style="list-style-type: none"> ○ The interaction of European American, African American, and Latin American traditions ○ The influence of mass media and technology (printing, recording, radio, video, Internet) ○ The role of popular music as a symbol of identity (race, class, gender, generation) 	
ART 402 ADVANCED MUSIC ENSEMBLE	TEXTBOOK(S)
<ul style="list-style-type: none"> ● Prerequisite Vocal Ensemble 3 or Music Ensemble 3 ● The Performance Ensemble is a collective of advanced instrumentalists and vocalists focused on performing and recording the music of living artists. Projects include off campus performances and collaborations with professionals, as well as regular features at school events. Students are encouraged to develop original work and share it with the ensemble during 	No textbook required.

monthly studio classes. This is a supportive and challenging course ideal for students interested in continuing their musical growth beyond high school.	
ENG/ART 417 ADVANCED ENGLISH SEMINAR: PLAYWRITING	TEXTBOOK
<ul style="list-style-type: none"> ● This advanced semester-long elective provides students an opportunity to create work in playwriting and dramatic works. Students will acquire and develop skills for dramatic writing while increasing their comfort level with storytelling created for the stage. Through the writing of monologues, scenes, and short plays, students will examine the techniques a playwright uses to develop a story through plot and character. In this course, instruction will focus on the craft basics: structure, plot, character, conflict, setting, dialogue, and formatting. Students will also analyze and critique existing plays through readings and viewings to gain context and understanding. Playwrights and their works will include August Wilson, Lynn Nottage, Yasmina Reza, Tarell Alvin McCraney, and Martin McDonagh. ● Playwriting is an upper-level semester course and is cross-listed in the Arts and English departments. 	<p><i>Exact texts will be determined by the teacher with plenty of time to purchase them in advance.</i></p>

Art Department - Visual Arts

Holderness School offers a wide range of visual arts curricula. The fine arts faculty offers training in studio arts, ceramics, photography, filmmaking, and regularly exhibits student work in the Heide Family Gallery as well as in other campus common spaces.

The Carpenter Arts Center—a spacious and sunny renovation of the original Holderness School gymnasium—is home to most of the fine arts coursework. The facility features a digital photography lab, a ceramics studio with eight wheels and a gas kiln, a press for linoleum or wood block printing, a darkroom with 11 enlarger-equipped work stations, a studio for still-life and portrait photography, a matting and critiquing room, and student gallery space.

VISUAL ARTS: Offerings & Progression					
Introductory Courses (9-12)		Intermediate Courses (10-12 with prerequisites OR approval)		Advanced Courses (10-12 with prerequisites)	
Studio / Design Courses	• Studio Practices 1	➡	• Studio Practices 2	➡	• Studio Practices 3
	• 3D Foundations	➡	• Ceramics 2	➡	• Ceramics 3
Photo / Film Courses	• Photography 1	➡	• Photography 2	➡	• Photography 3
	• Filmmaking 1	➡	• Filmmaking 2	➡	• Filmmaking 3
	• 2D Digital Design				


The following pages contain descriptions of our Visual Arts courses. An * indicates special requirements— please see the [Advanced Placement Program section](#). To order textbooks, click on the image of the book(s) next to the course description for direct purchasing options. If you would like to find the books through another vendor, be sure to take note of the exact ISBN numbers so you/your child has the correct book for class.

ART 106 STUDIO PRACTICES 1	TEXTBOOK
<ul style="list-style-type: none"> Student artists in the Studio Practices course will experiment with a variety of media to create visual art. The elements of art (line, shape, space, color, value, texture, and form) are applied in two-dimensional drawing, painting and design lessons. Students will begin to apply the principles of design, (rhythm/ movement, balance, proportion/ scale, variety/ unity, emphasis, contrast and repetition) in their art expression. The development and application of artistic techniques and skills are emphasized. Students will express their ideas by using art as a form of communication and will develop the confidence and ability to evaluate and discuss their own work and the work of others. As students work toward an appreciation and 	<p><i>No textbook required.</i></p>

<p>understanding of art, they will relate visual arts to various historical and cultural traditions. Students will learn to respect their own ideas and artistic expressions and those of others as they analyze and evaluate works of art.</p>	
ART 107 2D DIGITAL DESIGN	TEXTBOOK
<ul style="list-style-type: none"> • This course places an emphasis on graphic communication. Students will develop their creative process through brainstorming and sketching, explore design principles and elements, and practice digital image manipulation. Assignments include: personal branding, logo, business card & letterhead design. Depending on student interest, potential projects include infographic, package, sticker, poster, album, and t-shirt design. • The goals of this course are for students to develop their creative process, learn and practice the foundations of design, discover how design permeates other areas of study, and explore potential career paths. 	<p><i>No textbook required.</i></p>
ART 108 3D FOUNDATIONS	TEXTBOOK
<ul style="list-style-type: none"> • Student artists in the 3D Foundations course will experiment with a variety of media to create visual art during this semester-long course. The elements of art (line, shape, form, space, color, value, and texture) are applied in two and three-dimensional design lessons. Students will apply the principles of design, (movement, balance, proportion/ scale, variety, unity, emphasis, contrast, figure/ground relationships and rhythm/ repetition) with their artistic expression. The development and application of artistic techniques and skills are emphasized. Students will express their ideas by using art as a form of communication. • A wide range of mediums are used in this course including, but not limited to pencils, paper, cardboard, wire, clay, found materials and mixed media. Students will develop the confidence and ability to evaluate and discuss their own work and the work of others. As students work toward an appreciation and understanding of art, they will relate visual arts to various historical and cultural traditions. Students will learn to respect their own ideas and artistic expressions and those of others as they analyze and evaluate works of art. Students will develop ePortfolios that will be assessed after each lesson and at the end of the semester. 	<p><i>No textbook required.</i></p>
ART 109 PHOTOGRAPHY 1	TEXTBOOK
<ul style="list-style-type: none"> • Photography 1 will establish a solid photographic foundation in a hands-on teaching environment by introducing students to the magic and craft of digital photography. Students will learn basic photographic techniques using professional digital cameras in manual exposure mode. Students will work individually as well as collaboratively in groups while discussing the photographic merits of particular places and shooting at different times of day. • Students will learn how to see and recognize the quality of light, color and tone when making photographs as well as how to compose an image, and how to capture a photographic moment. They will also be introduced to 	<p><i>Media Literacy Required Reading: Students will be required to regularly read one of several mainstream news outlets, such as the New York Times or the Wall Street Journal for</i></p>

<p>studio lighting, Adobe Photoshop, and the process of printing professional quality photographs.</p> <ul style="list-style-type: none"> Students will also experience the analog traditional darkroom and make their own pin-hole cameras. In short, students will learn diverse photographic techniques with an emphasis on how to see and create meaningful and powerful photographs. 	<p><i>class discussions about news and culture.</i></p>
ART 110 FILMMAKING 1	TEXTBOOK
<ul style="list-style-type: none"> Students will be introduced to the technical and fundamental skills needed to create short films using digital video cameras and Adobe Premiere Pro. They will study conceptual aspects of narrative storytelling in documentary and fiction. The class will emphasize creativity, personal vision and collaboration. We will view many films and scenes from various genres as creative examples for both technique and inspiration. Students will be challenged to consider the images and videos we make and view in order to improve visual literacy in the fast-paced visual culture we live in. The course will involve hands-on training while working towards a final project. 	<p><i>No textbook required.</i></p>
ART 206 STUDIO PRACTICES 2	TEXTBOOK
<ul style="list-style-type: none"> This advanced course is a study of the principles and elements of art using a variety of studio media to explore compositional possibilities on a two-dimensional surface or three-dimensional space. The elements of design are like a palette of possibilities that artists use to express themselves. The principles of design help guide artists in making decisions about how to organize the elements on a picture plane or in physical space in order to communicate content. In order to think critically about visual design, this course will begin with a practical approach to solving visual problems while introducing the vocabulary of visual terms and visual analysis. Through structured studio experiences, students in intermediate studio courses will learn the intrinsic qualities of various media and develop an understanding of compositional strategies, technical skills and design processes. The importance of good craftsmanship and a professional approach to studio practices will be emphasized along with the experimental and imaginative manipulation of form and content. Increasing emphasis will be placed on subjectivity, content and conceptual development in student work. Students will develop digital portfolios that will be assessed after each lesson and at the end of the semester with the guidance of specific grading rubrics and group critiques. 	<p><i>No textbook required.</i></p>
ART 208 CERAMICS 2	TEXTBOOK
<ul style="list-style-type: none"> This semester-long course builds on skills and ideas learned in 3D Foundations. Ceramics 2 focuses on the technique of wheel-throwing to create functional and sculptural clay forms. Students will gain familiarity with the tools and equipment used in throwing clay while increasing their technical proficiency, exploring a diversity of forms, and employing a variety of glazing techniques. Students learn terms and definitions in order to become more familiar with the technical aspects of ceramics. 	<p><i>Learning resources to be provided in class.</i></p>

<ul style="list-style-type: none"> ● Through structured studio experiences, students in advanced ceramics courses will learn the intrinsic qualities of clay and develop an understanding of compositional strategies, technical skills and design processes. The importance of good craftsmanship and a professional approach to studio practices will be emphasized along with the experimental and imaginative manipulation of form and content. Increasing emphasis will be placed on subjectivity, content and conceptual development in student work. ● Students will develop digital portfolios that will be assessed after each lesson and at the end of the semester with the guidance of specific grading rubrics and group critiques. 	
ART 209 PHOTOGRAPHY 2	TEXTBOOK
<ul style="list-style-type: none"> ● Photography 2 begins where Photography 1 left off. Students will continue using professional digital cameras and learn additional Adobe Photoshop techniques. Emphasis will be placed on further developing talent, artistic expression and documentary communication in a hands-on environment. Students will be exposed to modern and contemporary photography and will study the work of influential photographers. We will often work together shooting as a group while discussing the photographic merits of particular places, quality of light and shooting at different times of day. Students will also have access to professional lighting equipment they can use in the studio as well as out on location. ● Students will also take part in meaningful group critiques of their work and consider standards and ethics in art and documentary practice. The class will have an emphasis on creativity and diverse interpretation of assignments as well as a personal project of the students' choosing. ● The class will also look at photography that illustrates diverse cultures at home and abroad as well as photography that takes an activist approach. Students will learn how to present photographs in murals, print portfolios, on the web and mounted on a wall. 	<p><i>Media Literacy Required Reading: Students will be required to regularly read one of several mainstream news outlets, such as the New York Times or the Wall Street Journal for class discussions about news and culture.</i></p>
ART 210 FILMMAKING 2	TEXTBOOK
<ul style="list-style-type: none"> ● Students will continue their filmmaking education with an emphasis on narrative storytelling and self-expression in documentary and fiction. Students will work to develop their personal vision in a hands-on creative environment individually as well as collaboratively in groups. Craft and creating compelling films with emotional impact are of principal importance in this class. Students will shoot with professional grade DSLR cameras and audio equipment as they fulfill creative, enjoyable and gratifying assignments while working towards a final project. Students enrolled in this course will gain more experience with writing screenplays and creating storyboards for film projects. We will also view films and regularly have constructive group discussions and critiques. Filmmaking 1, or equivalent, is required to sign-up for this course. ● During the course each student will be taught: <ul style="list-style-type: none"> · How to tell an impactful and emotive story · Expand their knowledge of composition and lighting · To develop editing techniques in Adobe Premier Pro 	<p><i>No textbook required.</i></p>


ART 306 STUDIO PRACTICES 3	TEXTBOOK
<ul style="list-style-type: none"> • This advanced course is a study of the principles and elements of art using a variety of studio media to explore compositional possibilities on a two-dimensional surface or three-dimensional space. The elements of design are like a palette of possibilities that artists use to express themselves. The principles of design help guide artists in making decisions about how to organize the elements on a picture plane or in physical space in order to communicate content. In order to think critically about visual design, this course will begin with a practical approach to solving visual problems while introducing the vocabulary of visual terms and visual analysis. • Through structured studio experiences, students in intermediate studio courses will learn the intrinsic qualities of various media and develop an understanding of compositional strategies, technical skills and design processes. The importance of good craftsmanship and a professional approach to studio practices will be emphasized along with the experimental and imaginative manipulation of form and content. Increasing emphasis will be placed on subjectivity, content and conceptual development in student work. • Students will develop digital portfolios that will be assessed after each lesson and at the end of the semester with the guidance of specific grading rubrics and group critiques. 	<p><i>No textbook required.</i></p>
ART 308 CERAMICS 3	TEXTBOOK
<ul style="list-style-type: none"> • Ceramics 3 allows students to build on skills and ideas learned in 3D Foundations and Ceramics 2. Assignments are tailored to each student, focusing on individual interests, while experimenting with conceptual ideas, and techniques in building and glazing work. • Through structured studio experiences, students in advanced ceramics courses will learn the intrinsic qualities of clay and develop an understanding of compositional strategies, technical skills and design processes. The importance of good craftsmanship and a professional approach to studio practices will be emphasized along with the experimental and imaginative manipulation of form and content. Increasing emphasis will be placed on subjectivity, content and conceptual development in student work. • Students will develop digital portfolios that will be assessed after each lesson and at the end of the semester with the guidance of specific grading rubrics and group critiques. 	<p><i>Learning resources to be provided in class.</i></p>
ART 309 PHOTOGRAPHY 3	TEXTBOOK
<ul style="list-style-type: none"> • Photography 3 is for advanced photographers who wish to immerse themselves further into photographic practice. The curriculum is geared towards a student's interest: whether it be abstraction, portraiture, documentary, landscape, digital or traditional film and darkroom techniques. Emphasis is placed on creating personal work and spending time deeply involved in longer-term projects using photography to create a series of images that work together. Students will regularly view classic and contemporary photography and take part in group discussions and critiques. They will be 	

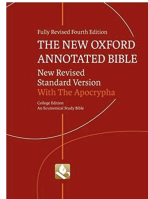
required to present their long-term project(s) in either book form, murals, alternative techniques, print portfolio, on the web or mounted on a wall.	
ART 310 FILMMAKING 3	TEXTBOOK
<ul style="list-style-type: none"> ● This course is designed for more advanced filmmakers who wish to immerse themselves further in the medium of film and cinema. The curriculum is geared towards students' interest; whether it be narrative fiction or documentary. Strong emphasis is placed on creating personal work, exploration of a theme and spending time deeply involved in a long-term film project in an experiential learning environment. ● Students will regularly share their work as it is in progress, view films and film scenes and be expected to participate in group discussions and critiques. They will be required to present their long-term film project(s) at the end of the semester. 	<i>No textbook required.</i>


Theology & Religious Studies Department

The Holderness Theology & Religious Studies Department promotes a pedagogical partnership between a student's academic learning and personal reflection in the pursuit of meaningful engagement with religious traditions. In addition to the historical and critical examination of material from primary and secondary sources in religious studies, all coursework also contains a self-reflective component designed to cultivate thinking on spiritual themes. Topics relate to spiritual dimensions of life that are often universal to human experience. This provides an opportunity for students to explore and develop themselves spiritually, even as they grow intellectually in their understanding of major religious traditions. Students are required to take one course in the Theology & Religious Studies Department in order to graduate.

The following pages contain descriptions of our Theology & Religious Studies Department courses. An * indicates special requirements— please see the [Advanced Placement Program section](#). To order textbooks, click on the image of the book(s) next to the course description for direct purchasing options. If you would like to find the books through another vendor, be sure to take note of the exact ISBN numbers so you/your child has the correct book for class.

THEO 201 WORLD RELIGIONS	TEXTBOOKS
<ul style="list-style-type: none"> The one-semester World Religions course cultivates students' cultural and analytical reasoning, expands their capacities for empathy and creative imagination, develops their reflective and moral sensibilities, and builds foundational knowledge of Judaism, Christianity, Islam, Hinduism, and Buddhism. 	
HIST/THEO 207 US HISTORY 2: HISTORY OF CHRISTIANITY IN AMERICA	TEXTBOOK
<ul style="list-style-type: none"> This dual credit History and Theology course takes a deep dive into the evolution of the Christian faith since its arrival on American soil. The course will examine how Christian theology and social movements have reciprocally impacted each other and how this has shaped American identity, values, and culture. We will look at major events such as: colonization, The Great Awakening, Slavery and the Civil War, the Great Revival, the ordinations of women, the emergence of the black church, and The Civil Rights Movement. Throughout the semester students will engage in a variety of primary sources and learn how to extract theological claims and arguments. Students will also have an opportunity to research a topic of their own choosing, exploring the religious landscape throughout American history not limited to the Christian faith. The class will culminate with a look into modern American Christian culture and theology, and its challenges and opportunities. While the class is focused on the history of the Christian faith, students only need a sense of intellectual curiosity and a commitment to learning in order to do well and develop valuable skills. 	<p><i>No textbook required.</i></p>

ENG/THEO 403 ADVANCED ENGLISH SEMINAR: THE BIBLE AS LITERATURE	TEXTBOOK
<ul style="list-style-type: none"> Is there a Bible on your shelf somewhere but you've never really read it? Did you know the Bible is more of a library than a book? Are the readings in chapel a total mystery to you? Have you ever encountered a biblical reference in another book and wished you knew more? Are you or a loved one named after a figure in the Bible but know little about the namesake? Do you wish to call yourself well read? These are just some of the questions that might lead you to consider taking this course. In The Bible as Literature, we will consider the ways the Bible animates historical and contemporary political rhetoric, and how it serves as an example of graceful and dramatic writing and storytelling, the influence of which is felt in ways we often take for granted. The Bible as Literature is an upper-level semester course which provides an additional choice for students seeking to satisfy the graduation requirement in Theology & Religious Studies. Cross-listed in the Theology and English departments. 	
ENG/THEO 413 ADVANCED ENGLISH SEMINAR: THE SPIRITUAL MEMOIR	TEXTBOOK
<ul style="list-style-type: none"> The Spiritual Memoir class will examine how people have processed topics related to faith and spirituality through the art of memoir. The class will read a variety of best-selling memoirists, such as Anne Lamott, C.S. Lewis, Simone Weil, Brian McClaren, Shauna Niequist, and Kate Braestrup, and consider how they processed the experiences of leaving or finding their faith community, traumatic events, or just everyday life. We will look at how their faith or spirituality helped them – or didn't help them – through these experiences and how their concept of God changed as they did. Students will also personally engage with the authors' central questions: Who/what/where is God? How do we make sense of unthinkable tragedy? What does it mean to live a "good life"? Who am I and where do I belong? This dual credit English and Theology course offers students the opportunity to not only read compelling literature, but also to wrestle with questions about the divine and reflect on their own life through practicing some memoir writing of their own. The Spiritual Memoir is an upper-level semester course which provides an additional choice for students seeking to satisfy the graduation requirement in Theology & Religious Studies. Cross-listed in the Theology and English departments. 	<p><i>Exact texts will be determined by the teacher with plenty of time to purchase them in advance.</i></p>

ENG/THEO 419 ADVANCED ENGLISH SEMINAR: BIBLICAL ROOTS OF FOLK	TEXTBOOK
<ul style="list-style-type: none"> Biblical Roots of Folk will examine the ways in which the Bible influenced the American folk tradition. We'll read selections from the Old Testament and trace these narratives in folk lyrics, beginning in the 1930s with Woody Guthrie, all the way through contemporary folk. We'll perform lyrical analyses with an eye toward biblical allusion, developing a shared religious vocabulary in order to better understand the profound influence the Bible has had on folk music and poetry. The course will begin by looking at Woody Guthrie and Jack Kerouac, and then move on to the works of Bob Dylan, Joan Baez, Judy Collins, Simon & Garfunkel, Peter, Paul and Mary, etc. These artists leaned on fundamental religious narratives in order to convey their own lyrical imagery and feeling. In addition to the Bible, readings might include <i>The Road</i> (Kerouac), <i>Bound For Glory</i> (Woody Guthrie), <i>Book of Longing</i> (Leonard Cohen), and <i>Chronicles</i> (Bob Dylan). 	

Human Development

HEALTH 201 HUMAN DEVELOPMENT	TEXTBOOKs
<ul style="list-style-type: none"> Human Development is a quarter-long course covering topics such as human sexuality, reproductive anatomy, gender roles and identity, sexual orientation, birth control, and teen pregnancy. In addition to the human sexuality component, the course discusses the dangers of drug and alcohol use. Human Development is a pass/fail course. 	<p><i>No textbook required.</i></p>

Senior Capstone

CAPSTONE 501 SENIOR CAPSTONE	TEXTBOOK
<ul style="list-style-type: none"> Senior Capstone is an experiential educational opportunity designed to provide seniors with the platform to develop their intellectual curiosity while researching and delving into the exploration of a topic of their choosing. While the essential question they create is central, it is the educational journey the students take to address that question which is most important. Included in that experience are the following components of Senior Capstone: <ul style="list-style-type: none"> Researching and annotating Communicating with mentors Interviewing experts Writing a literature review Planning and completing a March Experience Presenting to the community 	<p><i>No textbook required.</i></p>

ADVANCED PLACEMENT PROGRAM

Introduction

Holderness School offers Advanced Placement courses in each discipline to students prepared for the rigor of these courses. These courses are more time-consuming than other courses because their content and pace resembles that of a college-level course. Advanced Placement courses demand a high level of independent work on the part of the student and a commitment to more than an hour of homework time each night. Therefore, only students who are extremely well prepared, possess an unusual level of self-discipline, and are intensely interested in the subject matter should consider taking an Advanced Placement course.

All Advanced Placement students are required to take their Advanced Placement exam(s) when they are given in May. The exams are graded on a scale of 1 through 5, 5 being the highest. Many colleges accept scores of 3, 4 or 5 either for course credit or for placement; policies for placement and credit are determined independently by each college. The fee of approximately \$100.00 per exam is high, but much less than a semester credit college course. Your student's account will be charged \$40 at the time of signing up in case of cancellation. The remaining amount will be charged after the exams.

The end of year exam, offered by the College Board, is a requirement for all courses bearing the "AP" designation. Failing to take the test will result in loss of the "AP" designation from your course transcript. For seniors in their spring term, loss of designation may require notifying your college of the change in courses (from AP to a non-AP course), which may trigger a reevaluation of your acceptance to that school.

Some students may qualify for several Advanced Placement courses. In constructing appropriately balanced schedules, however, Holderness limits a student to no more than four AP courses (including any non-AP course that is designated as a 500 or 600 level course) in any given year. In our experience, such a schedule permits a student to maintain quality performance in all areas. Students should know that the listing of AP courses on transcripts is impressive only when the student's grades in all courses are also impressive, and that each academic year is filled with other important opportunities in athletics, the arts, and leadership roles. Students looking to take more than four 500 level (or higher) courses, including AP courses, must submit their request to the Academic Committee for approval.

On the next pages, please find the criteria used in the student selection process for Advanced Placement courses. We hope it will be helpful to you as you decide your entire course schedule for next year.

English - Qualifications for Selection

ENG 501: AP ENGLISH LANGUAGE & COMPOSITION

Prerequisites and Application

- Open to qualified 11th & 12th grade students
- Students applying for AP English Language & Composition must:
 - Earn a grade of at least “A-” in the previous English course
 - Obtain the support and recommendation of the student’s previous English teacher
 - Submit a letter of intent explaining the student’s interest in the course

Selection: The department will review applications and accept qualified applicants.

ENG 601: AP ENGLISH LITERATURE & COMPOSITION

Prerequisites and Application

- Open to qualified 11th & 12th grade students
- Students applying for AP English Literature & Composition must:
 - Earn a grade of at least “A-” in AP English Language & Composition
 - Obtain the support and recommendation of the student’s previous English teacher
 - Submit a letter of intent explaining the student’s interest in the course

Selection: The department will review applications and accept qualified applicants.

World Languages - Qualifications for Selection

LANG 501: AP FRENCH LANGUAGE, LANG 503: AP SPANISH LANGUAGE, OR LANG 603: AP SPANISH LITERATURE

Prerequisites & Application

- The student applying for an Advanced Placement level course in a world language must:
 - Complete the previous language course with a “B+” minimum average
 - Receive a written recommendation for the course from the previous language course teacher
 - Participate in a 2-5 minute oral interview with the AP instructor to demonstrate speaking proficiency
 - Demonstrate, through a recent sample paper or a letter of intent, particular interest and strength in reading, literary analysis, and writing in the target language

Selection: The department chair will receive all written recommendations, and the AP instructor will review the students’ work. The chair and instructors will then accept all qualified candidates.

History - Qualifications for Selection

HIST 501 & 502: AP ADVANCED HISTORY OF THE WEST 1 & 2

Prerequisites

- This two-year course is designed for sophomores or juniors only. This course combines a survey of U.S. and European history and is intended for students who have not completed survey work in either histories in high school. Thus, any students with previous high school level survey work in U.S. and/or European History are precluded from taking Advanced History of the West.
- Sophomores who wish to apply for Advanced History of the West:
 - Must have an average of A- in their freshman history course
 - Returning students must receive a recommendation from their current history teacher and new students need approval from the history department chair and Academic Dean
- Juniors who wish to apply for Advanced History of the West:
 - Must have an average of A- in all their high school history courses
 - Returning students must receive a recommendation from their current history teacher and new students need approval from the history department chair and Academic Dean

HIST 503: AP ECONOMICS

Prerequisites

- The student applying for AP Economics must have:
 - An average grade of “B” or higher in the current math course at the time of application
 - Completed Algebra II successfully
 - Successfully completed assigned summer work

HIST 552: AP US GOVERNMENT AND POLITICS

Prerequisites

- Open to qualified 11th & 12th grade students
- Must have achieved a “B+” or higher average in the student’s previous English course
- Must have achieved a “B+” or higher average in the student’s previous history course
- Returning students must receive a recommendation from their current history teacher and new students need approval from the history department chair and Academic Dean

HIST 553: AP PSYCHOLOGY

Prerequisites

- Open to qualified 11th & 12th grade students
- Must have completed Foundations and Cognitive Psychology
- Must have achieved a “B+” or higher average in the student’s previous English course
- Must have achieved a “B+” or higher average in the student’s previous history course
- Returning students must receive a recommendation from their current history teacher and new students need approval from the history department chair and Academic Dean

HIST 601: AP COMPARATIVE GOVERNMENT

Prerequisites

- Open to qualified 11th & 12th grade students
- Completion of at least one AP history course
- Returning students must receive a recommendation from their current history teacher and new students need approval from the history department chair and Academic Dean

Science - Qualifications for Selection

SCI 501: AP BIOLOGY

Prerequisites

- Students applying for AP Biology must have:
 - Achieved a year-end average of “B+” or higher in the student’s first year Biology course
 - Earned a year-end average of “B” in the Honors Chemistry course (“B+” in regular Chemistry)
 - A strong academic record in all courses in the previous academic year
 - The recommendation of a student’s current science teacher
 - A sincere interest in the study of biology

Selection: Students who meet the above criteria and who are willing to make the commitment to meet the course expectations (including four to six hours of homework per week, plus work on some vacations and during the summer) will be selected for AP Biology.

SCI 502: AP ENVIRONMENTAL SCIENCE

Prerequisites

- Open to qualified 11th & 12th grade students
- Students applying for AP Environmental Science must have:
 - An “A” or “B” in a previous biology course
 - An “A” or “B” in a previous chemistry course
 - A sincere interest in the study of environmental science

Selection: Students must provide evidence of the above to be considered for the course. Students who are missing one of the above criteria must request permission from the instructor.

SCI 503: AP PHYSICS C: MECHANICS

Prerequisites

- Students applying for Physics C must have:
 - An “A” or a “B” in a previous physics course
 - An “A” or a “B” in a previous calculus or pre-calculus course
 - Permission from the instructor

Selection: Students who meet the above criteria will be enrolled in the course. Students who are interested in taking the course but lack one of the prerequisites must seek permission from the instructor.

SCI 504: BIOMECHANICS

Prerequisites

- Students applying for Biomechanics must have completed a course in Physics with a B or higher in Honors or AP Physics, or an A- or higher in non-honors/AP Physics.

Math - Qualifications for Selection

MATH 501: AP CALCULUS AB

Prerequisites

- Students applying for AP Calculus AB must have:
 - Completed Precalculus with a year-end average of “B+” or higher or completed Honors Precalculus with a “B” or higher or completed Advanced Precalculus
 - The recommendation of the student’s current Precalculus teacher

Application: Students must complete the assigned AP Calculus AB summer work based on the current text, and successfully pass (earn a “B-” or higher) a test on that material during the first week of classes.

MATH 502: AP STATISTICS

Prerequisites

- The student applying for AP Statistics must have:
 - An average grade of “B” or higher in the current math course at the time of application
 - Completed Algebra II successfully
 - Successfully completed assigned summer work

MATH 503: AP COMPUTER SCIENCE A

Prerequisites

- The student applying for AP Computer Science A must have:
 - An average grade of “B” or higher in the current math course at the time of application
 - Completed Algebra II successfully
 - Successfully completed assigned summer work

MATH 552: AP CALCULUS BC (Semester)

Prerequisites

- Students applying for AP Calculus BC must have:
 - A recommendation from the student’s current AP Calculus teacher

MATH 552: AP CALCULUS BC (Full-year)

Prerequisites

- Students applying for AP Calculus BC must have:
 - Completed Advanced Precalculus Teacher
 - A recommendation from the student’s current Advanced Precalculus Teacher
 - Successfully completed assigned summer work