GRADUATION REQUIREMENTS
Students must successfully complete a fundamental liberal arts course of study, develop essential physical skills, and expand interests and competence in visual and performing arts and co-curricular activities. A total of eighteen (18) academic credits is required with the following departmental distribution:

- English: 4 credits
- History: 2 credits (Asia: East and West and U.S. History/AT American Public History)
- Mathematics: 3 credits (in grades 9-12 and completing at least Algebra II)
- World Language: 3 credits (must successfully complete level three of one language; two levels must be completed in the Upper School)
- Science: 2 1/3 credits (Biology and Chemistry, plus one trimester elective)
- Creative Arts: 1 credit (3 trimesters, one of which is Visual Foundations in 9th grade)
- Computer Science (Computer Science Practice and Principles in 10th grade)
- L.E.A.D. (Leadership, Ethics, and Development: all students must satisfactorily participate in LEAD each semester)
- Athletics: All students must satisfactorily participate in either a team sport, an independent sport, or a noncompetitive sport two (2) out of three (3) trimesters each year.

THE UPPER SCHOOL PROGRAM
Students entering the Upper School (grades 9-12) should plan their course of study in the context of graduation requirements, college plans, and interest. A well-balanced program that expands perspectives and deepens experiences in interest areas is desirable. All students must take a minimum of five (5) academic courses each term.

UPPER SCHOOL COURSE OFFERINGS

ACADEMIC SUPPORT
Academic Foundation (F, W, S)
Academic Advancement (F, W, S)
(Grades 10-12)
Academic Writing for the International Student (F)

CREATIVE ARTS
Visual Arts
Visual Foundations
Introduction to Studio Art (F, W)
Drawing (S)
Painting I (F)
Painting II (S)
Ceramics I (W)
Digital Photography (F, S)
Digital Art (W)
Printmaking (S)
Graphic Design (F)
Art History and Studio Art (W)
3D Mixed Media (W)
Exploring Forms in Art (S)
Advanced Studio Art I: 2D Concentration (F)
Advanced Studio Art II: 3D Concentration (W)

Advanced Studio Art III: Refining and Presenting the Artist Portfolio (S)
Independent Studies in Art (IS) (F, W, S)

Music
Concert Choir (f, W, S)
Upper School Instrumental Ensemble (F, W, S)
Concert Choir/Instrumental Ensemble Combined (F, W, S)
String Instrumental Ensemble (F, W, S)
Introduction to Piano (F)
Project Mixtape (W)
Music Theory (W, S)

Drama
Theatre Technical Arts (W)
Public Speaking (F, W, S)
The Composition of Film (F, W, S)
Shakespeare for Performance (S)
FILMMAKING

ENGLISH
English IV: “Coming of Age in Our World” (Grade 9)
Honors English IV (Grade 9)

English V: “The World’s Stories” (Grade 10)
Honors English V (Grade 10)

English for Grade 11:
American Literature and Composition or AT English
Algebra II, Honors Algebra II, Honors Algebra II & PreCalculus
Chemistry, Honors Chemistry
World Language
Riots, Revolution, and Reforms or Environmental Studies
LEAD (Leadership, Ethics, and Dev.)
Computer Science (required) and other STEM electives
Creative Arts electives
Academic Advancement elective

History
AT History: US Since 1960
World Language
American Public History
LaB Science or STEM X
calculus, Statistics
World Language
History electives, AT History: US Since 1960
STEM X electives
LEAD (Leadership, Ethics, and Dev.)
Creative Arts electives
Academic Advancement elective

Science
Biology, Honors Biology
Chemistry, Honors Chemistry
World Language
Riots, Revolution, and Reforms or Environmental Studies
LEAD (Leadership, Ethics, and Dev.)
Computer Science (required) and other STEM electives
Creative Arts electives
Academic Advancement elective

Mathematics
Algebra II, Honors Algebra II, Honors Algebra II & PreCalculus
PreCalculus, Precalculus
Honors Precalculus, Calculus, Honors Calculus
AT Calculus, Statistics
World Language
U.S. History, AT American Public History
Lab Science or STEM X electives
LEAD (Leadership, Ethics, and Dev.)
Creative Arts electives
Academic Advancement elective

Other Course Offerings

• Academic Advancement elective
• LEAD (Leadership, Ethics, and Dev.)
• STEM X electives
• Creative Arts electives
• Academic Advancement elective

KEY:
(F)–Fall
(W)–Winter
(S)–Spring
(AT)–Advanced Topics
(IS)–Independent Study
[MSON]–Malone School Online Network

THE UPPER SCHOOL PROGRAM
Students entering the Upper School (grades 9-12) should plan their course of study in the context of graduation requirements, college plans, and interest. A well-balanced program that expands perspectives and deepens experiences in interest areas is desirable. All students must take a minimum of five (5) academic courses each term.

UPPER SCHOOL CURRICULUM
The Derryfield School
UPPER SCHOOL COURICULUM

GRADE 9
Standard:
- English IV, Honors English IV
- Advanced Algebra, Geometry, Algebra II, Honors Algebra II
- Biology, Honors Biology
- World Language
- Asia: East and West
- LEAD (Leadership, Ethics, and Dev.)
- STEM X electives
- Visual Foundations (required) and other Arts electives
- STEM X electives
- Academic Foundations elective

GRADE 10
Standard:
- English V, Honors English V
- Geometry, Algebra II, Honors Algebra II, Honors Algebra II & PreCalculus
- Chemistry, Honors Chemistry
- World Language
- Riots, Revolution, and Reforms or Environmental Studies
- LEAD (Leadership, Ethics, and Dev.)
- Computer Science (required) and other STEM electives
- Creative Arts electives
- Academic Advancement elective

GRADE 11
Standard:
- American Literature and Composition or AT English
- Algebra II, Honors Algebra II, Honors Algebra II & PreCalculus
- Precalculus, Honors Precalculus, Calculus, Honors Calculus
- AT Calculus, Statistics
- World Language
- U.S. History, AT American Public History
- Lab Science or STEM X electives
- LEAD (Leadership, Ethics, and Dev.)
- Creative Arts electives
- Academic Advancement elective

GRADE 12
Standard:
- English electives, AT English
- World Language (if requirement has not been met)
- Precalculus, Calculus, Statistics (embedded honors), AT Calculus, AT Investment Math
- Lab Science or STEM X
- History electives, AT History: US Since 1960
- STEM X electives
- LEAD (Leadership, Ethics, and Dev.)
- Creative Arts electives
- Academic Advancement elective

HISTORY
Asia: East and West (Grade 9)
Europe: Riots, Revolution, and Reforms (Grade 10)
Environmental Studies: Past, Present, and Future (Grade 10)
United States History (Grades 11-12)
AT History: American Public History (Grade 11)
Political Science (with honors option) (F) (Grade 12)
Global Issues: Terrorism in a Contemporary World (with honors option) (F) (Grade 12)
Global Issues: Sustainable Development (with honors option) (W) (Grade 12)
Global Issues: Human Rights and International Law (with honors option) (S) (Grade 12)
International Relations (with honors option) (W) (Grade 12)
The Cold War (with honors option) (S) (Grade 12)
AT History: US Since 1980 (Grade 12)
The American Food System (F) [MSON]

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Diversity in Global Comparative Perspective (F) [MSON] (Grades 11-12)
Native American Literature (S) [MSON] (Grades 11-12)
Are We Rome? (S) [MSON] (Grades 11-12)
Building Utopia (F) [MSON] (Grades 9-12)
Philosophy in Pop Culture (S) [MSON] (Grades 11-12)
Positive Psychology (F, S) [MSON] (Grades 10-12)
Sugar, Tobacco, Iron and Silicon: An Economic History of the US (F) [MSON] (Grades 11-12)
Wartime Dissent in American History (F) [MSON] (Grades 11-12)
Environmental Bioethics (S) [MSON] (Grades 11-12)
Bob Dylan's America (F) [MSON] (Grades 11-12)
Etymology of Scientific Terms (F) [MSON] (Grades 11-12)
Making Ethical Medical Choices in a Diverse World (F) [MSON] (Grades 11-12)
Political Identity, American Democracy and Civic Engagement (F) [MSON] (Grades 11-12)

MATHEMATICS
Advanced Algebra
Geometry
Algebra II
Honors Algebra II
Honors Algebra II & Precalculus
Combined
Precalculus
Honors Precalculus
Calculus
Honors Calculus
Statistics (with honors option)
AT Calculus
AT Investment Math
STEM X Electives (for math credit)
A Mathematical Modeling Approach to Social Justice (S) [MSON] (Grades 11-12)
Multivariable Calculus [MSON] (Grades 11-12)
Advanced Applied Math Through Finance (S) [MSON] (Grades 11-12)
Linear Algebra (F) [MSON] (Grades 11-12)

SCIENCE
Biology (Grade 9)
Honors Biology (Grade 9)
Chemistry (Grade 10)
Honors Chemistry (Grade 10)
Physics (Grades 11-12)
Honors Physics (Grades 11-12)
Senior Physics (Grade 12) (with honors option)
AT Biology (Grades 11-12)
AT Chemistry (Grades 11-12)
AT Physics (Grade 12)
Human Anatomy and Physiology (Grades 11-12) (with honors option)
STEM X: Design Thinking (F)
(Grades 9-12)
STEM X: Innovation (W) (Grades 9-12)
STEM X: Entrepreneurship (S)
(Grades 9-12)
Research, Entrepreneurship, and Design for X (F, W, S) (Grades 9-12)
AT STEM X: RED X/Competition Track (F, W) (Grades 10-12)

CSI: Forensic Science (S) [MSON] (Grades 11-12)
Genetics and Genomics (F) [MSON] (Grades 11-12)
Introduction to Organic Chemistry (F) [MSON] (Grades 11-12)
Advanced Topics in Chemistry (S) [MSON] (Grades 11-12)
Making Ethical Medical Choices in a Diverse World (F) [MSON] (Grades 11-12)

STEM X
STEM X: Design Thinking (F)
(Grades 9-12)
STEM X: Innovation (W) (Grades 9-12)
STEM X: Entrepreneurship (S)
(Grades 9-12)
Research, Entrepreneurship, and Design for X (F, W, S) (Grades 9-12)
Computer Science Practices and Principles (Grade 10)
Computer Science Lab, Level I (F, W, S)
Computer Science Lab, Level II (F, W, S)
Computer Science Lab, Level III (F, W, S)
Software Design with Java (Grades 9-12)
AT Research, Entrepreneurship, and Design for X (F, W, S) (Grades 10-12)
AT Software Design with Java (Grades 11-12)

Explorations in Computer Science
(MSON) (Grades 9-11)

WORLD LANGUAGE
Latin I
Latin II
Latin III
Honors Latin III
Latin IV/V
AT Latin: Survey of Roman Prose
Authors
AT Latin: Poetry in the Golden Age of Rome
Spanish I
Spanish II
Spanish III
Honors Spanish III
Spanish IV
Spanish V
AT Spanish: The Pursuit of Social Justice and Equality in the Spanish-speaking World
Ancient Greek [MSON] (Grades 11-12)
Arabic I [MSON] (Grades 9-12)
Arabic II [MSON] (Grades 9-12)
Chinese V [MSON] (Grades 11-12)

LEADERSHIP, ETHICS, AND DEVELOPMENT (LEAD)
Identity (Grade 9)
Belonging (Grade 10)
Influence and Immersion (Grade 11)
Purpose and Transference (Grade 12)

ATHLETICS
VARIEY TEAMS: crew, cross-country running, field hockey, soccer, golf, basketball, alpine and nordic skiing, ice hockey, swimming, baseball, lacrosse, tennis, and track
JV TEAMS: crew, field hockey, soccer, basketball, tennis, lacrosse, and baseball

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