



Upper **School** **Programs**

2022/2023

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2021 COLLEGE ACCEPTANCES AND MATRICULATIONS

This college list for the Wellington Class of 2021 mirrors and celebrates the diversity found in each student's talents and interests.

Adrian College	Embry-Riddle Aeronautical University	Oxford College of Emory University	University of California - Davis
Alabama A&M University	Emerson College	Peabody Institute of The Johns Hopkins University	University of California - Irvine
Arizona State University 	Emory University	Pennsylvania State University	University of California - San Diego 
Auburn University	Florida A&M University	Pitzer College 	University of California - Santa Barbara
Augustana College	Fordham University	Princeton University 	University of Cincinnati 
Babson College 	Hampton University	Purdue University 	University of Colorado - Boulder
Bard College	Heidelberg University	Purdue University - Fort Wayne 	University of Dayton 
Belmont University 	High Point University	Reed College	University of Denver
Berklee College of Music	Hofstra University	Rensselaer Polytechnic Institute	University of Findlay
Boston University	Howard University	Rhode Island School of Design	University of Florida 
Bowling Green State University	Indiana University 	Rhodes College	University of Illinois - Chicago
Brandeis University	Indiana Wesleyan University	Robert Morris University	University of Indianapolis
Bryn Mawr College 	Ithaca College	Rochester Institute of Technology	University of Kentucky
Bucknell University	Jacksonville University	Rose-Hulman Institute of Technology 	University of Michigan 
Butler University	John Carroll University	Rutgers University	University of Minnesota
California Lutheran University 	Kalamazoo College 	Saint Mary's College 	University of North Carolina - Wilmington
Capital University	Kent State University 	Saint Mary's College of California	University of Pittsburgh
Carleton College 	Kenyon College 	Santa Clara University	University of Puget Sound
Case Western Reserve University	Lawrence University	Sarah Lawrence College	University of Rochester
Central Michigan University	Lehigh University	Savannah College of Art and Design	University of Utah 
Central State University	Lewis and Clark College	Seton Hill University	University of Vermont
Clark Atlanta University	Loyola University Chicago 	Skidmore College	University of Washington 
Clark University	Loyola University New Orleans	Smith College 	Vassar College
Colgate University	Macalester College	Spelman College	Virginia Commonwealth University 
College of Charleston	Marquette University	St. John's College 	Wabash Valley College
College of Wooster	McGill University 	St. Louis University	Wake Forest University 
Colorado School of Mines	Miami University 	Syracuse University	Walsh University
Colorado State University	Michigan State University	The Ohio State University 	Washington & Jefferson College 
Columbia College Chicago	North Carolina A&T State University 	The Ohio State University at Newark 	Washington University in St. Louis 
Columbus State Community College 	Northwestern University 	Tiffin University 	Wheaton College - Massachusetts
Dartmouth College 	Oberlin College	Trinity College	Willamette University
Denison University 	Oberlin Conservatory of Music	Trinity University	Wittenberg University
DePauw University	Ohio Dominican University	Tufts University 	Wright State University
Dickinson College	Ohio University 	University of Akron	Xavier University 
Duquesne University 	Ohio Wesleyan University	University of Alabama	
Elon University 	Oral Roberts University	University of Alabama at Birmingham	
	Otterbein University 		

2004-2021 MATRICULATIONS

Wellington students throughout the years have enrolled in colleges that are strong fits based on their individual passions and aspirations.

Adrian College	Colorado College	Georgetown University	Macalester College
Agnes Scott College	Colorado State University	Georgia Southern University	Malone University
Alfred University	Columbia College Chicago	Grand Canyon University	Manhattanville College
Allegheny College	Columbia University	Grinnell College	Marietta College
American University	Columbia University Sciences Po	Guilford College	Marquette University
American University of Beirut	Columbus College of Art and Design	Hamilton College	Marshall University
American University of Rome	Columbus State Community College	Hamline University	Massachusetts Institute of Technology
Arizona State University	Connecticut College	Hampshire College	Maryland Institute College of Art
Babson College	Cornell University	Hampton University	McGill University
Baldwin Wallace College	Cornish College of the Arts	Harding University	Messiah College
Bellarmino College	Culinary Institute of America	Harvard University	Miami University
Belmont Abbey College	Culinary Institute of America at Greystone	Haverford College	Montana State University
Belmont University	Dartmouth College	High Point University	Morehouse College
Boston College	Davidson College	Hobart and William Smith	Mount Vernon Nazaren University
Boston University	Denison University	Hocking College	Mt. Carmel College of Nursing
Bowdoin College	DePaul University	Howard University	NEOUCOM
Bowling Green State University	DePauw University	Indiana University	New York University
Brown University	Dickinson College	Ithaca College	North Carolina A&T State University
Bryn Mawr College	Drake University	Ithaca College	North Carolina A&T State University
Bucknell University	Drew University	John Carroll University	Northeastern Ohio University College of Medicine
Butler University	Drexel University	Johns Hopkins University	Northeastern University
California Institute of Technology	Duke University	Johnson & Wales University - Denver	Northern Kentucky University
California Lutheran University	Duquesne University	Kalamazoo College	Northern Michigan University
California State University - Fresno	Earlham College	Kasturba Medical College - India	Northwestern University
Capital University	Eastman School of Music	Kent State University	Notre Dame College
Carleton College	Elmhurst College	Kenyon College	Oberlin College
Carnegie Mellon University	Elon University	Korea Advanced Institute of Science and Technology	Occidental College
Case Western Reserve University	Emerson College	Lake Forest College	Ohio Northern University
Central Saint Martins	Emory University	Lawrence Technological University	Ohio State University
Centre College	Eugene Lang College	Lawrence University	Ohio State University - College of Business
Champlain College	Florida Southern College	Lehigh University	The Ohio State University at Newark
Chapman University	Florida State University	Lewis & Clark College	Ohio University
Clemson University	Fordham University	Loyola College in Maryland	Ohio Wesleyan University
Cleveland Institute of Art	Franklin Pierce College	Loyola Marymount University	OSU Medical School
Cleveland Institute of Music	Furman University	Loyola University Chicago	Otterbein College
Colgate University	George Washington University	Loyola University Maryland	Otterbein University
College of Charleston	Georgetown College	Lynn University	
College of Wooster			

2004-2021 MATRICULATIONS (continued)

Oxford of Emory University	Texas Tech University	University of Rochester – Eastman School of Music
Parsons School of Design	Tiffin University	University of Saint Andrews
Pennsylvania State University	Trine University	University of San Diego
Pitzer College	Trinity College	University of South Carolina
Pratt Institute	Tufts University	University of St. Andrews
Princeton University	Tulane University	University of Tampa
Purchase College, S.U.N.Y.	U.S. Naval Academy	University of Tennessee
Purdue University	United States Air Force Academy	University of Texas – Austin
Purdue University Fort Wayne	University of Akron	University of Texas at San Antonio
Queen's University of Cananda	University of Alabama	University of Toledo
Reed College	University of Alaska	University of Utah
Regis University	University of British Columbia	University of Vermont
Rensselaer Polytechnic Institute	University of California - Berkeley	University of Virginia
Rhodes College	University of California – Davis	University of Wisconsin - Madison
Rice University	University of California - Los Angeles	Vanderbilt University
Rivier College	University of California - San Diego	Virginia Commonwealth University
Rochester Institute of Technology	University of Chicago	Virginia Tech University
Rollins College	University of Cincinnati	Virginia Polytechnic University
Roosevelt University	University of Cincinnati School of Architecture	Wabash College
Rose-Hulman Institute of Technology	University of Cologne	Wake Forest University
S.U.N.Y. at Stony Brook	University of Colorado - Boulder	Washington & Jefferson College
Saint Joseph's University	University of Colorado - Colorado Springs	Washington University
Saint Mary's College	University of Dayton	Wayne State University
Salem International University	University of Denver	Wellesley College
San Diego State University	University of Evansville	Wesleyan University
Santa Clara University	University of Findlay	West Virginia University
Sarah Lawrence College	University of Florida	Westmont College
Savannah College of Art and Design	University of Houston	Wheaton College
School of the Art Institute of Chicago	University of Indianapolis	Wheaton College - Massachusetts
Scripps College	University of Kentucky	Williams College
Seattle University	University of Maryland	Wilmington College
Sewanee, The University of the South	University of Miami	Wingate University
Shawnee State University	University of Michigan	Wittenberg University
Skidmore College	University of North Carolina	Wofford College
Smith College	University of North Carolina – Wilmington	Wright State University
Southern Methodist University	University of Notre Dame	Xavier University
St. Anselm College	University of Pennsylvania	Yale University
St. Bonaventure University	University of Pittsburgh	
St. John's College	University of Puget Sound	
Stanford University	University of Redlands	
Swarthmore College	University of Richmond	
Syracuse University	University of Rochester	
Taylor University		

COURSE LOAD

All students are required to carry a *minimum* of five (5) regularly-scheduled courses each marking period, although it is recommended that students enroll in at least six (6) courses each trimester. Note that this means each student may have at *most* three (3) free periods.

The 9th and 10th grade years include classes in every department with almost all teachers. Students are exposed to a variety of teaching styles while learning the foundations in a variety of academic disciplines.

Sample Courseload - 9th grade

English 9 Public speaking and research course.		World Language Latin, French, or Spanish	
World History Public speaking course. Integrated with English 9		Mathematics Depending on placement	
Foundations of Physical and Biological Science I Students learn the story of the universe: energy (physics) led to chemical reactions (chemistry) that spawned life (biology).		Free Period (at least one required)	
Writing 9 Mechanics and convention course	Studio Thinking	Physical Education	Performing Arts Computer Science Other electives

Sample Courseload - 10th grade

English 10 Research course. Three Trimesters: Who's America, 1920s, Drama		World Language Latin, French, or Spanish	
US History		Mathematics Depending on placement	
Foundations of Physical and Biological Science II Biology Chemistry Physics		Free Period (at least one required)	
Writing 10 Dedicated writing curriculum	Lifetime Health	Computer Science Essentials or Design Thinking	Performing Arts Visual Arts Computer Science Entrepreneurship Other electives

Sample Courseload - 11th & 12th grades

The foundational 9th and 10th grade years launch students into courses of their own choosing in 11th and 12th grade. They take the required College Composition, the third trimester of our dedicated writing curriculum, during their junior year. Otherwise, students choose from over 125 courses to design a schedule that balances, supports, and challenges them in areas of personal interest.

College Comp. Research course	Applied Positive Psychology	Astronomy	Podcast Journalism Research and public speaking course	Personal Finance	Geometry, Art and Architecture Interdisciplinary visual arts and mathematics
Advanced American Studies			Independent Science Research (ISR) Research course		
Honors Precalculus			Advanced Chemistry		
Band			Fashion Design: Haute Couture	Electricity and Magnetism	Biography of Cancer
Honors Spanish IV			Spanish: El Arts y La Cultura Global Course	Nutrition	Spanish: La Gastronomie Hispania Global Course
Sports Performance Training	Waves and Optics	Government	Differential Calculus	Integral Calculus	Calculus-Based Statistics
Stories of the Holocaust Global course	Stories on Trial interdisciplinary English, and history course	Music and Literature Research course	Yoga	Literature and Philosophy	Speech Public speaking course

ADVANCED/HONORS COURSES

To assist students in selecting courses of appropriate challenge, faculty pre-approve students for particular advanced and honors courses. Guidelines used when considering a student's qualifications for specific honors courses are found in each course description. Advanced courses are designed to challenge students capable of advanced study. The courses are intended to present college-level work in high school. Compared to many other upper school courses, advanced courses require additional outside work and higher-level critical thinking. In consideration of the difficulty of advanced courses, students should consult with advisors before enrolling in more than three advanced courses. The guidelines used when considering students' qualifications for advanced courses are as follows:

COURSE	PREREQUISITES	OTHER REQUIREMENTS
Advanced Chemistry	Foundations of Physical and Biological Sciences I & II; Algebra II or Honors Algebra II	Department approval
Advanced Physics	Foundations of Physical and Biological Sciences I & II; Calculus, Advanced Calculus or concurrent enrollment in either	Department approval
Advanced Biology	Foundations of Physical and Biological Sciences I & II	Department approval
Advanced Psychology & Neuroscience	Foundations of Physical and Biological Science I & II US History	Department approval
Advanced American Studies	US History	Department approval
Advanced Studio Art and Design	3 trimesters of Visual Arts courses	Department approval
Advanced French V	Honors French IV	B in Honors French IV; Department approval
Honors French IV	French Intermediate B	B in French Intermediate B; Department approval
Advanced Latin	3 trimesters of Latin courses	B in Trimester Latin courses; Department approval
Advanced Spanish V	Honors Spanish IV	B in Honors Spanish IV; Department approval
Honors Spanish IV	Spanish Intermediate B	B in Spanish Intermediate B; Department approval
Advanced Musical Studies	3 years of musical background	Department approval
Advanced Calculus I	Honors Precalculus	Department approval
Advanced Calculus II	Advanced Calculus I	Department approval
Advanced Statistics	Precalculus	Department approval
Honors Precalculus	Honors Algebra II	Department approval
Honors Algebra II	Geometry	Department approval

ADDING AND DROPPING COURSES

Advisors provide scheduling guidance for advisees based on a variety of factors, including recommendations made by faculty members. Students may freely add or drop a course no later than four days into the trimester for trimester courses, or two weeks into the start of the year for year-long courses. Year-long advanced classes may be dropped until the midpoint of the first trimester. After the add/drop period, students may withdraw from courses after discussing the decision with the course teacher, the advisor, a college counselor, and the academic dean. Dropping and withdrawing from courses has many ramifications, with respect both to Wellington and to the college application process. A student typically may withdraw from a course, earning a "W" for the trimester, up until one week after interims are published. Between that time and the end of the trimester, a student will earn the grade that is merited for that trimester. In year-long courses, a student may request to drop/withdraw from the course again up until one week after interims.

If a student withdraws from an honors course to take the non-honors version of the same course for the remainder of the year, the student will earn a "W" for zero credits in the honors course and a grade for the full credit in the non-honors course. The grades earned in the honors course subsequent to the withdrawal are averaged into the non-honors course final grade average. Although it is not common, there are instances in which faculty tweak their course recommendations after the add/drop period has concluded. This may occur through the first trimester in which a student is enrolled in a course.

LEAP DAYS learning, exploration, and projects

As the needs of the world evolve, schools must reach beyond traditional learning and develop strategies that promote autonomy, critical thinking, research, and creativity. LEAP Days have been designed to teach our students to thrive – not in yesterday’s world, but in our current and future one. The schedule combines coursework and advisory with opportunities to develop through constructive adversity. As students move through the upper school, they progressively gain autonomy to devote towards their passions and build a unique and powerful story for college admissions. LEAP Days provide skills and confidence to ensure our students are successful beyond Wellington.

Morning Sessions

Freshman Survey 9	Global Engagement 10	Advisory
Wonderlab 11	College Counseling	

FRESHMAN SURVEY 9

This freshman course helps students develop the fundamental intellectual and learning tools to perform at their peak academically in Wellington’s diverse and challenging curriculum. Students explore and evaluate their skills related to executive functioning and make reasoned and researched goals for their future. Combined with a robust advisory program that focuses on each student’s social-emotional wellness, this course provides students with support as they make the leap into the upper school.

PREREQUISITE: 9th Grade

COURSE DURATION: LEAP Days

COURSE CREDIT: 1/3 Credit

GLOBAL ENGANGEMENT

Tenth grade students take this course in preparation for their travels abroad during 11th grade as part of the Wellington International Student Experience. They work to develop an understanding of the logistical and intellectual preparation involved in successful global travel, build intercultural communication skills, and investigate contemporary global issues and how they connect to local realities. Readings and discussions, group activities, and live and virtual guest speakers help students begin to develop their projects exploring stewardship and sustainability; human rights and conflict prevention; identity, interculturality and well-being; and innovative and social entrepreneurship.

PREREQUISITE: 10th Grade

COURSE DURATION: LEAP Days

COURSE CREDIT: 1/3 Credit

WONDERLAB

Wonderlab is a research and creative works incubator that supports student projects. In this course, students are encouraged to follow their passions and develop products that provide solutions to problems, answers to questions, and purpose to inspiration. Wonderlab helps students define areas of study, then introduces tools to navigate and execute complex and collaborative projects. This course serves as a catalyst for Senior Independent Projects, Independent Science Research, Independent Humanities Research, and Advanced Studio.

PREREQUISITE: 11th Grade

COURSE DURATION: LEAP Days

COURSE CREDIT: 1/3 Credit

Afternoon Sessions

Wonderlab: Research opportunities, internships, student-led projects, art creation, independent studies, etc.

Engagement: Faculty office hours, math and science labs, writing workshops, college counseling, etc.

Community: Advisory, student clubs, Blue Notes, service programs, group studies, senior buddies, etc.

Scheduled Events: School concerts, school events, guest speakers, fieldtrips, PSAT, etc.

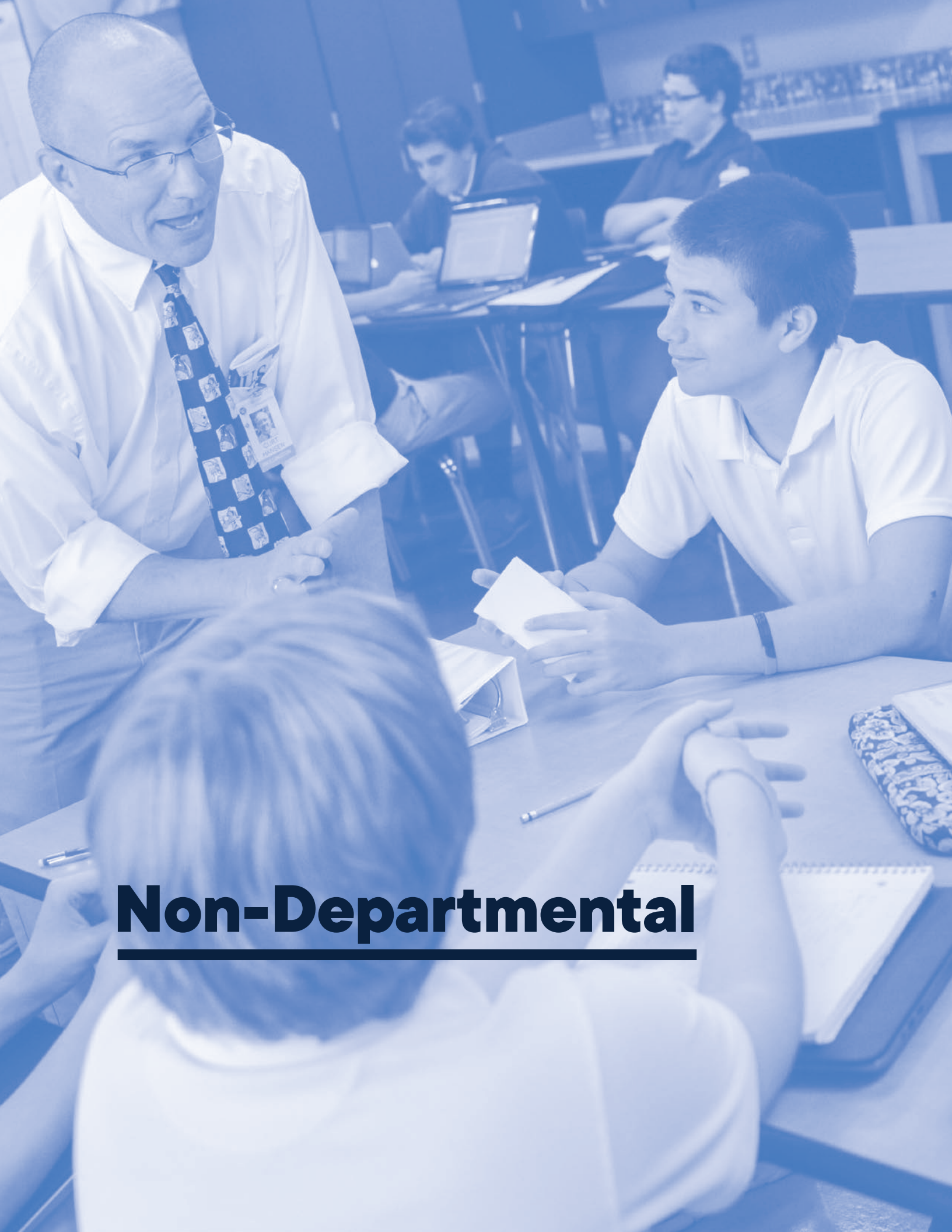
UPPER SCHOOL SCHEDULE

In 2015 Wellington Upper School transitioned to a new schedule to enhance educational opportunity and increase student engagement. Based on best practices research, the schedule is designed to have longer class blocks, fewer transitions, a later start to the academic day, and increased flex time.

	8–8:30 <i>Attendance at 8:30</i>	8:30–8:45	8:50–10:10	10:10–10:20	10:20–11:40	11:40–11:50	11:50–1:10	1:10–2:10*	2:10–3:30
A	Flex/Clubs	Morning Meeting	Period 1	Break	Period 2	Break	Period 3	Lunch/Break	Period 4
B	Flex/Clubs	Morning Meeting	Period 5	Break	Period 6	Break	Period 7	Lunch/Break	Period 8

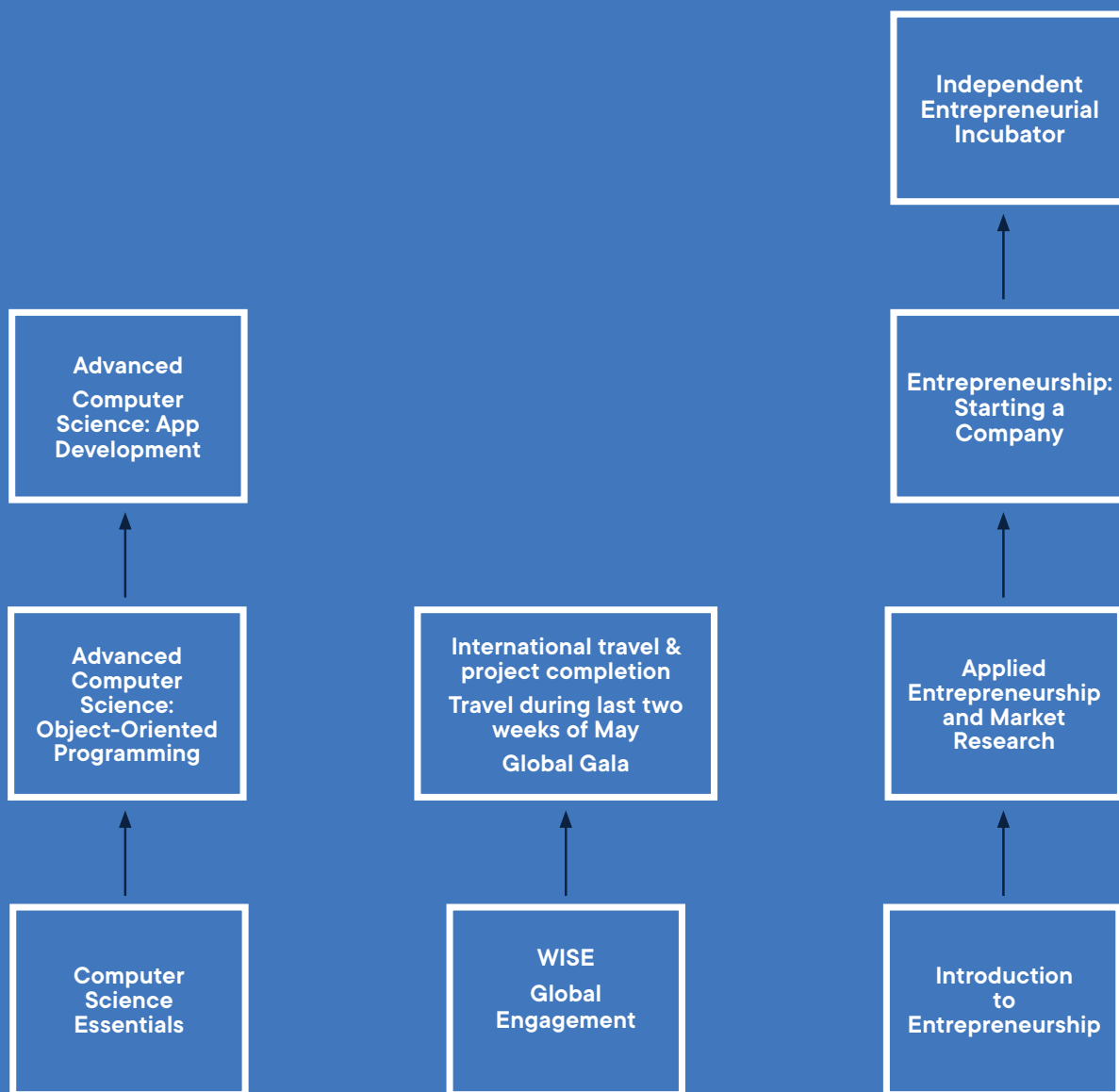
GRADUATION REQUIREMENTS

(2 Credits: 1 Visual, 1 Performing)	COURSE NAMES
1 Credit Visual Art	
1 Credit Performing Art	
(4 Credits)	COURSE NAMES
1st year (1 Credit)	English 9
1st year (1/3 credit)	Writing 9
2nd year (1 Credit)	English 10
2nd year (1/3 Credit)	Writing 10
3rd year (1/3 Credit)	College Comp.
1/3 Credit English	
1/3 Credit English	
1/3 Credit English	
(3 Credits of the same World Language in the Upper School)	COURSE NAMES
1st year	
2nd year	
3rd year or three trimesters	
(4 Credits: Algebra or Geometry in 8th grade at Wellington may count as 1 credit)	COURSE NAMES
1st year	
2nd year	
3rd year or three trimesters	
4th year or three trimesters (Must include personal finance)	
(3 Credits)	COURSE NAMES
1st year (1 Credit)	World History
2nd year (1 Credit)	US History
1/3 Credit	History
1/3 Credit	History
1/3 Credit	Government
(3 2/3 Credits including Health)	COURSE NAMES
1st year 1 Credit LAB science (1/2 Biological & 1/2 Physical)	Foundations of Physical and Biological Sciences 1
2nd year 1 Credit LAB science (1/2 Biological & 1/2 Physical)	Foundations of Physical and Biological Sciences 2
3rd year or three trimesters of any LAB Science	
2nd year Lifetime Health (1/3 Credit)	
1/3 Credit any other health	
(1 Credit) (2–Sport waiver possible for 9th and 10th grade. Each waiver = 1/3 credit)	COURSE NAMES
1st year PE (1/3 Credit)	Physical Education
1/3 Credit	
1/3 Credit	
(1/3 Credit)	COURSE NAMES
2nd year (1/3 Credit)	Global Engagement
Digital Literacy (1/3 Credit)	Computer Science Essentials or Design Thinking
Research and Creative Works Incubator (1/3 Credit)	Wonderlab



Non-Departmental

Non-Departmental Curriculum Progression



EXPECTED NON-DEPARTMENTAL TRIMESTER GRID

1st Trimester (fall)	2nd Trimester (winter)	3rd Trimester (spring)
Computer Science Essentials	Computer Science Essentials	Computer Science Essentials
Introduction to Entrepreneurship	Advanced Computer Science – Object-Oriented Programming	Advanced Computer Science – App Development
Mobile Classroom: The Design Process	Applied Entrepreneurship and Market Research	Entrepreneurship: Starting a Company
	Applied Positive Psychology	Emerging Independence
	Mobile Classroom: Building Prototypes	Music in Film
		Queer Studies
		Mobile Classroom: Fabrication

Wellington International Student Experience (WISE)

WISE makes international travel a reality for every Wellington student.

Program Philosophy

Meaningful international travel provides extensive educational benefits such as growth in resiliency and problem solving, while building empathy and a respect for other cultures. With increasing globalization, the development of these skills is critical for success in college and beyond. However, understanding that traditional trip experiences can be cost prohibitive for many students, we have embraced the concept of experiential equity such that the international travel experiences are built into our core upper school program, with no additional cost to tuition.

Each student will have the opportunity to undertake a long-term interdisciplinary project with ongoing faculty mentorship and interaction with community partners in Columbus and abroad. During their 10th grade year, students will be enrolled in Global Engagement where they will work to develop an understanding of the logistical and intellectual preparation involved in successful global travel, build intercultural communication skills, and discover connections between contemporary global issues and local realities. Readings and discussions, group activities, and live as well as virtual guest speakers will help students begin to connect with one of the international projects that has been put forth by the faculty.

Examples of some possible trip projects and locations include:

- Sustainability in Scandinavia
- The history and effects of the slave trade in Ghana
- The power of storytelling with the Tandana Foundation in Ecuador
- International Business in the United Kingdom
- Coral reef health and climate change in Curacao

In 11th grade students begin work on their project, making connections with the communities that they will be visiting. Students will then travel to their project destinations during the last two weeks in May, where they will fully immerse themselves in the project, creating greater understanding and gathering information and perspective in order to complete their research project or community initiative. Upon returning to Columbus, students will create presentations for our community during our Global Gala. Some students may choose to continue working on their projects during senior year, folding the project into our existing Independent Science Research or Independent Humanities Research program (see pages 22 and 41).

10th Grade

- Introduction to WISE
- Global Engagement



11th Grade

- International travel & project completion
- Travel during last two weeks of May
- Global Gala

COMPUTER SCIENCE ESSENTIALS

Designed for the student who is interested in gaining a general computer programming background and an introduction to the concepts of computer science, this course explores the concepts of computer science and how those concepts impact our world. This course is open to any upper school student. This course fulfills the sophomore digital literacy requirement.

PREREQUISITE: None

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Credit

ADVANCED COMPUTER SCIENCE: OBJECT- ORIENTED PROGRAMMING

One of the most common styles of programming is object-oriented programming. In this course, students develop coding and problem solving skills in the Object-Oriented Programming paradigm. This course prepares students to develop applications for mobile platforms, games, and more.

PREREQUISITE: Computer Science Essentials

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Credit

ADVANCED COMPUTER SCIENCE – APP DEVELOPMENT

Advanced Computer Science: App Development helps students develop a mobile app. Students use design principles and object-oriented programming to develop and code the app. When completed, the app may be uploaded to the Android or iOS app store.

PREREQUISITE: Object-Oriented Programming or previous year-long Computer Science course

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Credit

INTRODUCTION TO ENTREPRENEURSHIP

This introductory course to entrepreneurship gives students the opportunity to grow as an entrepreneur while exposing them to key concepts in entrepreneurship, management, marketing, finance, and business communications. In this course, we utilize a “learn by doing” method to help students develop and enhance their problem-solving and teamwork skills as they explore and approach social, economic, and environmental problems from an entrepreneurial perspective. The emphasis of this course is using the Entrepreneurial Thought & Action® methodology to explore the idea generation, opportunity identification, and evaluation phase of the entrepreneurial process. As part of this process, students gain an understanding of their personal entrepreneurial leadership capabilities and how to leverage leadership and teamwork to create economic and social value.

PREREQUISITE: None; open to sophomores, juniors, and seniors

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Credit

APPLIED ENTREPRENEURSHIP AND MARKET RESEARCH

This course looks more in-depth at the ins and outs of entrepreneurship, marketing, accounting, organizational behavior, information systems, and operations, while emphasizing the integrated role these functions have in a business. We utilize alumni, parents, and members of the community with experience in a diverse set of industries such as finance, marketing, entertainment, insurance, retail, and travel to present students with case studies dealing with ethics and problems that businesses encounter. Students work in teams on different consulting projects with real Columbus startups who present their most pressing business problem to the students. After conducting research and devising a plan, the students present their solutions directly to the business CEOs.

PREREQUISITE: None; open to sophomores, juniors, and seniors

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Credit

ENTREPRENEURSHIP: STARTING A COMPANY

Students work together to start their own businesses and present “Shark Tank”-style to real venture capitalists. Students use Entrepreneurial Thought & Action® methodology to explore the idea generation, opportunity identification, and evaluation phase of the entrepreneurial process for their ideas. Each student pitches their idea early in the trimester and the winning presentations get started working with a team or individually on their business. Students work through the design process and create a prototype as part of their final presentation.

PREREQUISITE: None; open to sophomores, juniors, and seniors

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Credit

INDEPENDENT ENTREPRENEURIAL INCUBATOR

Each student in this course develops and launches a business in consultation with the faculty of the entrepreneurial department. Students may choose to execute the business project in conjunction with one or two other students enrolled in the incubator program, with entrepreneurial department approval. Students are expected to be a part of all aspects of launching a business. Each student must find an outside business and/or start-up expert in the field of study and will spend part of the first trimester interning. Students are required to achieve benchmarks, meet deadlines, and demonstrate core competencies throughout the year. This culminates in a presentation to members of the Wellington community. Although this class is an independent study, students are scheduled into a class period and frequently meet with other students in the course.

PREREQUISITE: Department approval and at least one of the trimester entrepreneurial classes

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Credit

MUSIC IN FILM

In this trimester course, students explore to what degree film music shapes our perception of the film narrative. The course opens with a brief history of music in film beginning with silent movies, progressing to innovative and original compositions, and ending with the insertion of pop music into films. Students participate in a “sound walk” to consider how ambient sounds impact the visual experience. They study impactful composers (including Ernst Kongold, Danny Elfman, John Williams, and Hans Zimmer) in order to learn about the techniques and concepts used to shape and support the film narrative, as well as learn about the process of recording and producing film soundtracks. Projects may include the creation of an original short film with the insertion of music, analysis of a particular film and how the music leads/manipulates the viewer, and analysis of films with music as the primary focus (such as Tommy, Sgt. Pepper’s Lonely Heart Club Band, Across the Universe, and Fantasia). Guest speakers (live or via Skype) provide additional expertise for the class. This course is offered during odd numbered school years.

PREREQUISITE: None; Open to sophomores, juniors, and seniors

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Credit

APPLIED POSITIVE PSYCHOLOGY

Applied Positive Psychology is designed to enable students to study and apply the concepts that lead to human flourishing, including happiness, flow, meaning, love, gratitude, accomplishment, growth, and positive relationships. Students also delve into the science behind each concept and use the Values in Action character strengths model. This course include the study of positive psychology researchers, focusing on Seligman, Csikszentmihalyi, Lyubomirsky, Frankl, and Frederickson.

PREREQUISITE: Open to juniors and seniors

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Credit



Introducing Betty the Bus. Experiential education heightens students’ ability to learn content and skills, while forging deeper connections with people and places. Through an Engagement Grant, Wellington seeks to retrofit a school bus into a mobile classroom. Big ideas require big thinking; therefore, three trimester courses are offered to students to contribute to the design, prototyping, and fabrication of Wellington’s Mobile Classroom.

MOBILE CLASSROOM: THE DESIGN PROCESS

During this course students learn the design process in preparation to build Betty the Bus. Students consult with the Wellington community and clients to determine the needs, then propose solutions, resources, and blueprints for the mobile classroom. Throughout the trimester, students learn how to empathize, define, and iterate in preparation for the prototyping stage.

PREREQUISITE: Open to sophomores, juniors, and seniors

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Credit

MOBILE CLASSROOM: BUILDING PROTOTYPES

Through the duration of this course, students learn skills while constructing small scale replicas to test design elements established during the previous trimester. Students assess and determine effective solutions, engage in problem-solving and critical thinking, and practice communication while working in collaborative teams. Resources in the Maker Space will be used to bring two-dimensional designs to life as three-dimensional replicas.

PREREQUISITE: Open to sophomores, juniors, and seniors

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Credit

MOBILE CLASSROOM: FABRICATION

Learning to put plans into action, students meet with experts in the broader community. Now that previous designs have been prototyped and vetted, students determine timelines and strategies to fabricate the mobile classroom. Here, students learn to use tools while constructing elements of the mobile classroom. For complicated features, students and teachers engage with third-party contractors to further the fabrication process.

PREREQUISITE: Open to sophomores, juniors, and seniors

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Credit

EMERGING INDEPENDENCE

Emerging Independence is designed to help facilitate the transition from adolescence to adulthood and build responsibility by focusing on skills not currently taught in other courses. Starting with the concept of independence, students explore current and historic views and develop individual goals for the future. This course emphasizes values, goals, planning, and problem solving through a variety of activities. Course topics include personal relationships, job skills, automotive emergencies, kitchen planning, organizational skills, professional etiquette, finances, and first aid. The integration of these topics help students gain and maintain independence as they prepare for life beyond Wellington.

PREREQUISITE: Open to juniors and seniors

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Credit

QUEER STUDIES

This introductory course guides students towards understanding the diversity of LGBTQ communities, their history, and the present conditions of sexual identity formation. Students study various topics that may include prominent figures in Queer history, exploration of fiction and non-fiction works by and about Queer authors, exposure to art and music focused on the Queer community, and other topics.

PREREQUISITE: Open to juniors and seniors

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Credit

GLOBAL ENGAGEMENT

(Required for sophomores)

Tenth grade students take this course in preparation for their travels abroad during 11th grade as part of the Wellington International Student Experience. They work to develop an understanding of the logistical and intellectual preparation involved in successful global travel, build intercultural communication skills, and investigate contemporary global issues and how they connect to local realities. Readings and discussions, group activities, and live and virtual guest speakers help students begin to develop their projects exploring stewardship and sustainability; human rights and conflict prevention; identity, interculturality and wellbeing; and innovative and social entrepreneurship.

PREREQUISITE: None

COURSE DURATION: LEAP Days

COURSE CREDIT: 1/3 Credit

FRESHMAN SURVEY

(Required for freshmen)

This freshman course helps students develop the fundamental intellectual and learning tools to succeed academically in Wellington's diverse and challenging curriculum. Students explore and evaluate their skills related to executive functioning and make reasoned and researched goals for their future. Combined with a robust advisory program that focuses on each student's social-emotional well-being, this course kick starts a student's high school career.

PREREQUISITE: None

COURSE DURATION: LEAP Days

COURSE CREDIT: 1/3 Credit

WONDERLAB

(Required for juniors)

Wonderlab is a research and creative works incubator that supports student projects. In this course, students are encouraged to follow their passions and develop products that provide solutions to problems, answers to questions, and purpose to inspiration. Wonderlab helps students define areas of study, then introduces tools to navigate and execute complex and collaborative projects. This course serves as a catalyst for Senior Independent Projects, Independent Science Research, Independent Humanities Research, and Advanced Studio.

PREREQUISITE: None

COURSE DURATION: LEAP DAYS

COURSE CREDIT: 1/3 Credit

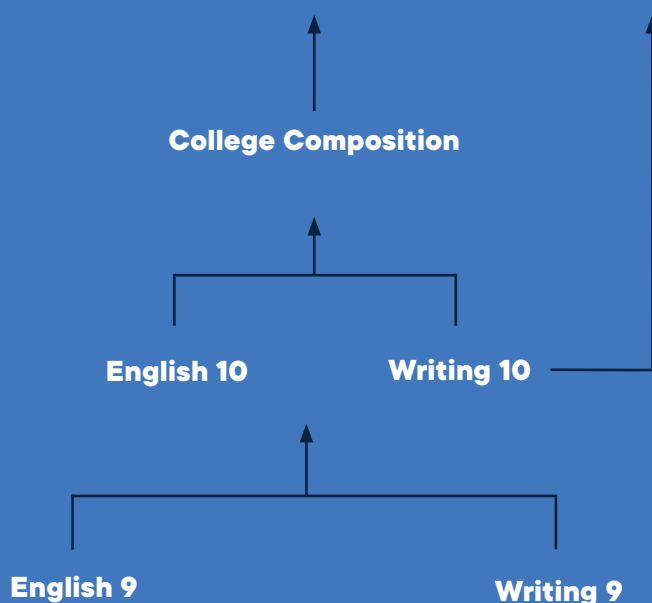


English

English Curriculum Progression

Trimester Courses

The Afterlife	Literature and Film	Podcast Journalism
College Composition	Literature and Philosophy	Speech
Creative Writing	Notable Authors: Gabriel Garcia Marquez	Spirituality in Literature
English: Book Arts	Notable Authors: Shakespeare	Stories of the Holocaust
English: The Art of the Detective Story	Notable Authors: Stephen King	Stories on Trial
Great Books: Frankenstein	Notable Authors: Truman Capote	Sustainability: Advertising the Environment
Great Books: Invisible Man	Notable Authors: Whitman, Dickinson, Poe	Utopia/Dystopia: What a World We Make
Greek Tragedy		



EXPECTED ENGLISH TRIMESTER GRID

1st Trimester (fall)	2nd Trimester (winter)	3rd Trimester (spring)
The Afterlife	College Composition	College Composition
College Composition	Greek Tragedy	Great Books: Invisible Man
Literature and Film	Notable Authors: Stephen King	Literature and Philosophy
Podcast Journalism	Notable Authors: Whitman, Dickinson, Poe	Stories on Trial
Stories of the Holocaust	Speech	Spirituality and Literature
Notable Authors: Truman Capote	Sustainability: Advertising the Environment	Creative Writing
Notable Authors: Gabriel Garcia Marquez	Notable Authors: Shakespeare	
English: Book Arts	Utopia/Dystopia: What a World We Make	
Great Books: Frankenstein		

ENGLISH 9**(Required for freshmen)**

Wellington 9th graders interact with significant works of literature in a variety of genres including fiction, nonfiction, drama, and poetry. Students develop skills in literary analysis, research, rhetorical structure, and public speaking.

PREREQUISITE: None**COURSE DURATION:** 1 Year**COURSE CREDIT:** 1 English Credit**WRITING 9****(Required for freshmen)**

Writing 9 focuses on the process of writing as thinking. Students study and respond to the work of other writers, including their classmates, as they develop their own skills and voice through multiple revisions.

PREREQUISITE: None**COURSE DURATION:** 1 Trimester**COURSE CREDIT:** 1/3 English Credit**ENGLISH 10****(Required for sophomores)**

English 10 is designed to expose students to significant works of American literature. Students continue to work on their composition skills, and will practice engaging in discussions and courageous conversations about topics related to chosen texts for the class. Literature selected for English 10 supplements the students' study of American history.

PREREQUISITE: English 9**COURSE DURATION:** 1 Year**COURSE CREDIT:** 1 English Credit**WRITING 10****(Required for sophomores)**

A painter considers lines, shapes, colors, and textures to create a landscape with paint; a writer must consider diction, syntax, and punctuation to create a landscape with words. In this course, students demonstrate what they learn about grammar through a variety of written assignments.

PREREQUISITE: English 9**COURSE DURATION:** 1 Trimester**COURSE CREDIT:** 1/3 English Credit**COLLEGE COMPOSITION****(Required for juniors)**

College Composition focuses on the essay, its rhetorical shape, purpose, and audience. Each student develops and perfects an ideal college essay and reviews the structure and grammar of language in order to be a clear and compelling writer. Finally, this course emphasizes media literacy, equipping students with the research skills necessary for successful college writing.

PREREQUISITE: English 10**COURSE DURATION:** 1 Trimester**COURSE CREDIT:** 1/3 English Credit**CREATIVE WRITING**

This course is designed to help you gain a better understanding of the craft of fiction and poetry. Like any craft, creative writing requires practice, dedication, and meticulous attention to details if it is to be done well. In addition to refining your own sense of writing, we will explore the intricacies of this craft by examining published poems and short stories as models.

PREREQUISITE: English 10**COURSE DURATION:** 1 Trimester**COURSE CREDIT:** 1/3 English Credit**ENGLISH: BOOK ARTS**

This course will explore the history of the printed word. Spanning techniques from traditional to digital arts, students will produce their own books. With visits from literary editors and publishers, we will learn about what it takes for a book to go from draft to shelf in today's market. Altered books. Printmaking. Adobe InDesign. Students will collaborate and create a literary magazine which explores a chosen topic.

PREREQUISITE: English 10 and Studio Thinking**COURSE DURATION:** 1 Trimester**COURSE CREDIT:** 1/3 English or Visual Arts Credit**ENGLISH: THE ART OF THE DETECTIVE STORY**

In this elective course, students will read and analyze samples from the iconic masters of the genre, as well as contemporary detective writers who challenge its norms and traditions. We will look at the detective story from literary, philosophical, and historical perspectives. What about the detective story appeals to humanity across time and space? What do all detective stories have in common? How do these stories reflect the time periods in which they were created, and how do modern detective writers both honor and disrupt expectations for the genre by looking at it through the lens of class, race, and gender? This course will culminate in a project where students create their own model detective for a series.

PREREQUISITE: English 10**COURSE DURATION:** 1 Trimester**COURSE CREDIT:** 1/3 English Credit**SUSTAINABILITY: ADVERTISING THE ENVIRONMENT**

In this course, students utilize advertising techniques to raise awareness of a local environmental issue of their choice. As a class, we develop a full-scale marketing campaign, relating complex scientific information legibly through infographics, commercials, social media, and other effective means.

PREREQUISITE: English 10**COURSE DURATION:** 1 Trimester**COURSE CREDIT:** 1/3 English Credit**THE AFTERLIFE**

Throughout time, humans have explored the question, "What happens when we die?" This course provides a study of world literature through the lens of the afterlife. Focus areas may include: Greek/Roman, Egyptian, Buddhist, Chinese, Jewish, Christian, and Muslim beliefs and texts. Students explore their own belief about what happens after life on Earth.

PREREQUISITE: English 10**COURSE DURATION:** 1 Trimester**COURSE CREDIT:** 1/3 English Credit

GREAT BOOKS: FRANKENSTEIN

What does it mean to be human? Students address this question using Mary Shelley's classic work, along with related texts, film adaptations, and modern versions of the story. Time is also spent discussing the nature of science and literature, what it means to be a monster, and how these questions tie in with modern genetics.

PREREQUISITE: English 10

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 English Credit

GREAT BOOKS: INVISIBLE MAN

The narrator in Ralph Ellison's "Invisible Man" chronicles his journey as a black man from the deep South to the streets and basements of Harlem. But this novel is more than one man's story of racial oppression. It is a novel full of ideas expressed in luminous prose that resonates with the modern reader. Students practice close literary analysis and use a variety of written assignments, projects, and group activities to construct meaning from the text.

PREREQUISITE: English 10

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 English Credit

GREEK TRAGEDY

This trimester course begins with a brief study of the history of Greek theatre (origins, development, building structure), as well as the Festival of Dionysus and its significance to the shaping of ancient Greek plays. Then, by engaging in plays such as "Oedipus Rex," "Antigone," and "Iphigenia at Aulis," students will note each play's historical significance, influence on modern drama, and connections to modern issues and themes.

PREREQUISITE: English 10

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 English Credit

LITERATURE AND FILM

What happens when a piece of literature is chosen for the big screen? In this trimester course, students read several works of literature and watch the corresponding films in an attempt to analyze this essential question. At the end of the trimester, students develop their own short film based on a selected work of literature.

PREREQUISITE: English 10

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 English Credit

LITERATURE AND PHILOSOPHY

How do we know that we know what we think we know? What do all true things have in common? What is the nature of existence? Do animals experience consciousness? This course seeks to answer such questions through the study of essays and short stories. Students develop an understanding of basic philosophical concepts, while also developing their own life philosophy.

PREREQUISITE: English 10

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 English Credit

NOTABLE AUTHORS: GABRIEL GARCIA MARQUEZ

Winner of the 1982 Nobel Prize, Colombian author Gabriel García Márquez was arguably the most influential writer in the last third of the twentieth century. In this course, we will learn of the author's incredible life, and become immersed in his landmark piece of literature: *One Hundred Years of Solitude*.

PREREQUISITE: English 10

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 English Credit

NOTABLE AUTHORS: SHAKESPEARE

Shakespeare, celebrated for the vast range of human experience and emotion portrayed in his work, is the most discussed and critically analyzed writer in any language. In this course, students focus on one title from a selected list of Shakespeare's plays to study as a group. They practice close literary analysis and use a variety of written assignments, projects, and dramatic performances to construct meaning from the text. Possible titles (among others) include "Hamlet," "Macbeth," "The Tempest," and "Twelfth Night."

PREREQUISITE: English 10

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 English Credit

NOTABLE AUTHORS: STEPHEN KING

Stephen King has published more than 60 novels and over 200 short stories and novellas. Often considered the "Master of Horror," King has expanded his talent to include fantasy, science-fiction, and even works of non-fiction. In this course, students will choose one of King's novels to read independently over the course of the trimester, culminating in a final project. Additionally, students will spend the trimester reading and discussing a variety of King's short stories and novellas in an attempt to determine why King is now known as a notable author.

PREREQUISITE: English 10

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 English Credit

NOTABLE AUTHORS: TRUMAN CAPOTE

Students will investigate the stunning, evocative, and prescient work of Capote, who was raised in New Orleans but spent the majority of his high-flying literary life in New York City. Selected works include the chilling, real life murder story *In Cold Blood*, which altered the landscape of nonfiction writing forever, as well as Capote's award-winning short stories. Class will also examine Capote's essays, interviews, and thrilling career: "To me, the greatest pleasure of writing is not what it's about, but the inner music that words make" (Capote).

PREREQUISITE: English 10

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 English Credit

NOTABLE AUTHORS: WHITMAN, DICKINSON, POE

Each of these American poets boasts a distinct literary voice. What inspired them, and what is their legacy? In this course, students examine the styles that represent these writers and the ways in which their work helped to shape the 19th century literary landscape.

PREREQUISITE: English 10

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 English Credit

PODCAST JOURNALISM

Popular podcast shows such as Radiolab and This American Life construct well-developed characters, vivid scenes, and strong plot lines to deliver dramatically engaging stories. In this course we explore the evolving narrative form to aide us in creating our own long-form podcasts which dive-deep into a true-story of our choosing. Along the way, we will also learn the basics of audio engineering using studio-grade equipment.

PREREQUISITE: English 10

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 English Credit

SPEECH

Through illuminating and persuasive speeches, as well as discussions about current events, students explore their strengths and improve their overall communication skills. As a capstone project, students write, develop, rehearse, and deliver a speech in the style of a TED Talk.

PREREQUISITE: English 10

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 English Credit

STORIES OF THE HOLOCAUST

Major works have been created against the backdrop on one of history's darkest times: the Holocaust. Students read works of non-fiction and view relevant films in an attempt to understand the diverse stories that Nazi Germany could not silence. Students will also study historical instances of genocide throughout the world and strive to answer the question of why the cry of "Never again" remains unfulfilled.

PREREQUISITE: English 10

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 English Credit

STORIES ON TRIAL

Students in this course – co-taught by English and history faculty – learn the American trial process (civil and criminal, state and federal) and then apply their knowledge by engaging in a mock trial based on a novel. As a class, students will brainstorm possible charges and defendants and will then create a unique trial experience where they take an active role as judge, bailiff, lawyer, or witness.

PREREQUISITE: English 10

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 English or History Credit

UTOPIA/DYSTOPIA: WHAT A WORLD WE MAKE

What would the perfect society look like? What kind of political system would guarantee peace, prosperity, and plenty for all people? How can we harness technology for the good of all humanity? How could it all go horribly wrong? This course explores utopian and dystopian thinking in literature.

PREREQUISITE: English 10

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 English Credit

SPIRITUALITY IN LITERATURE

What is the role of spirituality, meaning, and purpose in our individual lives? How can we find spiritual inspiration outside of organized religion? In this course, students study where others have found inspiration in literature, and all perspectives on religious ideology are welcome. Students also apply spiritual practices to a variety of secular texts, exploring works of literature and other sources for personal insights.

PREREQUISITE: English 10

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 English Credit



History/ **Social Studies**

History/Social Studies Curriculum Progression

Independent Humanities Research

Advanced American Studies

Advanced Psychology and Neuroscience

Trimester Courses

21st Century World History
African American History III
Civil Rights Movements
Geography
Macroeconomics

Media and Current Events
Microeconomics
Pandemics and Epidemics
Political Theory
Race and Identity

Feminism: Unpacking the F Word
Stories on Trial
World at War
Indigenous People of North America

Government

US History

World History

EXPECTED HISTORY TRIMESTER GRID

1st Trimester (fall)	2nd Trimester (winter)	3rd Trimester (spring)
Government	Government	Government
World at War	Race and Identity	Indigenous People of North America
21st Century World History	Pandemics and Epidemics	Stories on Trial
African American History III	Civil Rights Movement	Geography
Feminism: Unpacking the F-Word	Microeconomics	Macroeconomics
	Political Theory (TBD)	Media and Current Events (TBD)

WORLD HISTORY

(Required for freshmen)

World History is designed to involve students in the development of world cultures from the beginnings of the 16th century through the present. It provides students with an understanding of the crucial ideas and events which lay the foundation for the modern world. This course is required for graduation.

PREREQUISITE: None

COURSE DURATION: 1 Year

COURSE CREDIT: 1 History Credit

US HISTORY

(Required for sophomores)

US History is a survey course of the United States from colonial times to the present. It is designed to provide students with an understanding of the key ideas and events that shaped the development of the United States. This course is required for graduation.

PREREQUISITE: World History

COURSE DURATION: 1 Year

COURSE CREDIT: 1 History Credit

ADVANCED AMERICAN STUDIES

Advanced American Studies is designed to be college-paced and include major assessments focused on advanced analytical writing and student-created projects. In addition to the thematic approach to the study of American history, the course is centered on a cultural examination of life in America.

PREREQUISITE: US History; Open to juniors and seniors

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Credit (2/3 History Credit and 1/3 English Credit)

GOVERNMENT

(Required for graduation)

The US government is the focus of the course and study includes examination of the Constitution, governmental philosophies, federalism, the interplay of the three branches of government, and the civic roles of Americans.

PREREQUISITE: US History

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 History Credit

ADVANCED PSYCHOLOGY AND NEUROSCIENCE

Psychology is a broad discipline with ties to both the social and natural sciences. As such, this course is taught by both science and humanities faculty. Advanced Psychology and Neuroscience introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. To fully understand psychology and behavior, it is critical to have a thorough understanding of the physical and biological processes occurring within the brain. The first trimester focuses on the chemical, molecular, electrical, and cellular neurobiology and how these physical processes within the brain manifest in complex human behavior. The second and third trimesters then build upon the biological basis of neuroscience to further explore psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Ultimately, students utilize the knowledge gained from the course to research and present on a recent psychological study with a focus on the ethics and methods psychologists use in their science and practice.

PREREQUISITE: Foundations of Physical and Biological Science I and II; US History

COURSE DURATION: 1 Year

COURSE CREDIT: 1/3 Biological Science Credit, 1/3 History Credit, 1/3 Credit

MEETS LABORATORY SCIENCE

REQUIREMENT: Yes (1/3)

MEDIA AND CURRENT EVENTS

This course is designed to encourage critical thought and expand knowledge concerning issues and events that are occurring during the time of the course. Through discussions, readings, research, and presentation of issues, students learn to analyze the facts of current events, considering their implications on society.

PREREQUISITE: US History 10

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 History Credit

CIVIL RIGHTS MOVEMENTS

This course will examine the civil rights struggles of the modern era (beginning after WWII), from the African American civil rights struggle of the 1950s and 60s, into the "movement of movements" that encompassed women's rights, LGBTQ rights, indigenous people's rights, and many others, gauging the successes and shortcomings of each of these movements as they exist today. We will identify the distinct characteristics of a movement, tapping into a vast reservoir of underused primary and secondary sources, and compare the key people, places, and phenomena surrounding each movement. Students will have many opportunities to tailor this experience to fit their interests and dive deeper into specific aspects of rights movements that affect them directly.

PREREQUISITE: US History 10 and African American History I, II, or III

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 History Credit

INDEPENDENT HUMANITIES RESEARCH (IHR)

Students in this course develop and implement a humanities related research project. Students are expected to be a part of experimental design, investigation, and information analysis. Each student seeks out an outside expert in the field of their study. Students are required to achieve research benchmarks, meet deadlines, and demonstrate core competencies throughout the year including the writing of an extensive research paper on their topic, culminating in a presentation to members of the Wellington community. Although this class is an independent study, students are scheduled into a class period and meet periodically with faculty and others in the class. The first trimester has regularly scheduled meetings that focus on qualitative research methods, while the second and third trimesters are focused on implementing the project.

PREREQUISITE: Department approval

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Credit (2/3 History Credit and 1/3 English Credit)

21st CENTURY WORLD HISTORY

This course is designed to involve students in the recent development of world cultures in the context of 21st century global interconnectedness. This course provides the students with an understanding of the crucial ideas and events which establish the social, political, and economic issues in today's world.

PREREQUISITE: US History

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 History Credit

AFRICAN AMERICAN HISTORY III

This course explores themes related to African American history from the birth of the modern civil rights movement to present. Beginning with the March on Washington Movement that led to reforms in federal employment practices at the start of World War II, this course follows the growth of the civil rights movement through the actions of local grassroots organizations and examines the ways the movement changes focus after the passage of major civil rights legislation in the 1960s. The course continues to track the undeniable African American influence on popular culture through music and television, and connects modern rights movements such as Black Lives Matter to their precursors.

PREREQUISITE: US History

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 History Credit

FEMINISM: UNPACKING THE F WORD

This course examines women's lives throughout American history, placing them at the center of our interpretation. We consider the social, political, cultural, and economic histories of women in the United States, paying attention to how women have played active roles in shaping American history and society. We contemplate primary sources and cultural evidence including novels, music, art, and film throughout the course. The course is designed to ultimately consider the idea of feminism and "unpack the F word" by following the evolution of the word itself along with the movements surrounding feminism.

PREREQUISITE: US History

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 History Credit

GEOGRAPHY

Geography is designed to expand knowledge of the physical, political, cultural, and economic geography of the world. Students study people, places, and environments at local, regional, national, and international levels from various perspectives of geography.

PREREQUISITE: US History

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 History Credit

MACROECONOMICS

What is GDP and what does it tell us about a country? What role does the government have in determining the potential of a nation's economy? Macroeconomics helps us to answer these questions. Students will apply their knowledge of microeconomics to explore economy wide trends and behaviors. This course is ultimately designed to give students a solid understanding of macroeconomic principles. We will examine relevant topics by considering recent developments in economic theory and policy.

PREREQUISITE: US History, Algebra, Microeconomics

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 History Credit

MICROECONOMICS

Microeconomics is the study of behavior and how individuals, firms, and governments interact with one another. This course is designed to give students an introduction to microeconomic principles. Students will learn about supply and demand, consumer choice, financial markets, and externalities. We will examine relevant topics by considering recent developments in economic theory and policy.

PREREQUISITE: US History and Algebra II

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 History Credit

PANDEMICS AND EPIDEMICS

This course covers various major pandemics and epidemics (Black Plague, Columbian Exchange, influenza, malaria, etc.) from biological and historical perspectives. The course primarily focuses on the biological mechanisms and epidemiology of diseases, augmented by lectures covering the historical contexts and impacts surrounding these disease. Students then mirror this framework in their final assessment covering a disease of their choice.

PREREQUISITE: US History 10

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 History Credit

POLITICAL THEORY

Political Theory is designed to build a solid understanding of western political theory from classical times to the present. It presents a framework for understanding the political, economic, and social issues in today's world. Particular emphasis is placed on students developing and articulating their own political philosophy.

PREREQUISITE: US History

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 History Credit

RACE AND IDENTITY

Race and Identity is designed to encourage critical thought and expand knowledge concerning issues about race and identity in a global context. Students study how race impacts social behavior. We look at the origins of the concept of race, and the development, organization, and impact on economic and political institutions through history with an emphasis on today's world.

PREREQUISITE: US History

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 History Credit

STORIES ON TRIAL

Students in this course – co-taught by English and history faculty – learn the American trial process (civil and criminal, state and federal) and then apply their knowledge by engaging in a mock trial based on a novel. As a class, students will brainstorm possible charges and defendants and will then create a unique trial experience where they take an active role as judge, bailiff, lawyer, or witness.

PREREQUISITE: English 10

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 English or History Credit

THE WORLD AT WAR

The World at War focuses on World War I and World War II; the causes of these global conflicts, the events and experiences of the wars, and the consequences of the wars.

PREREQUISITE: US History

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 History Credit

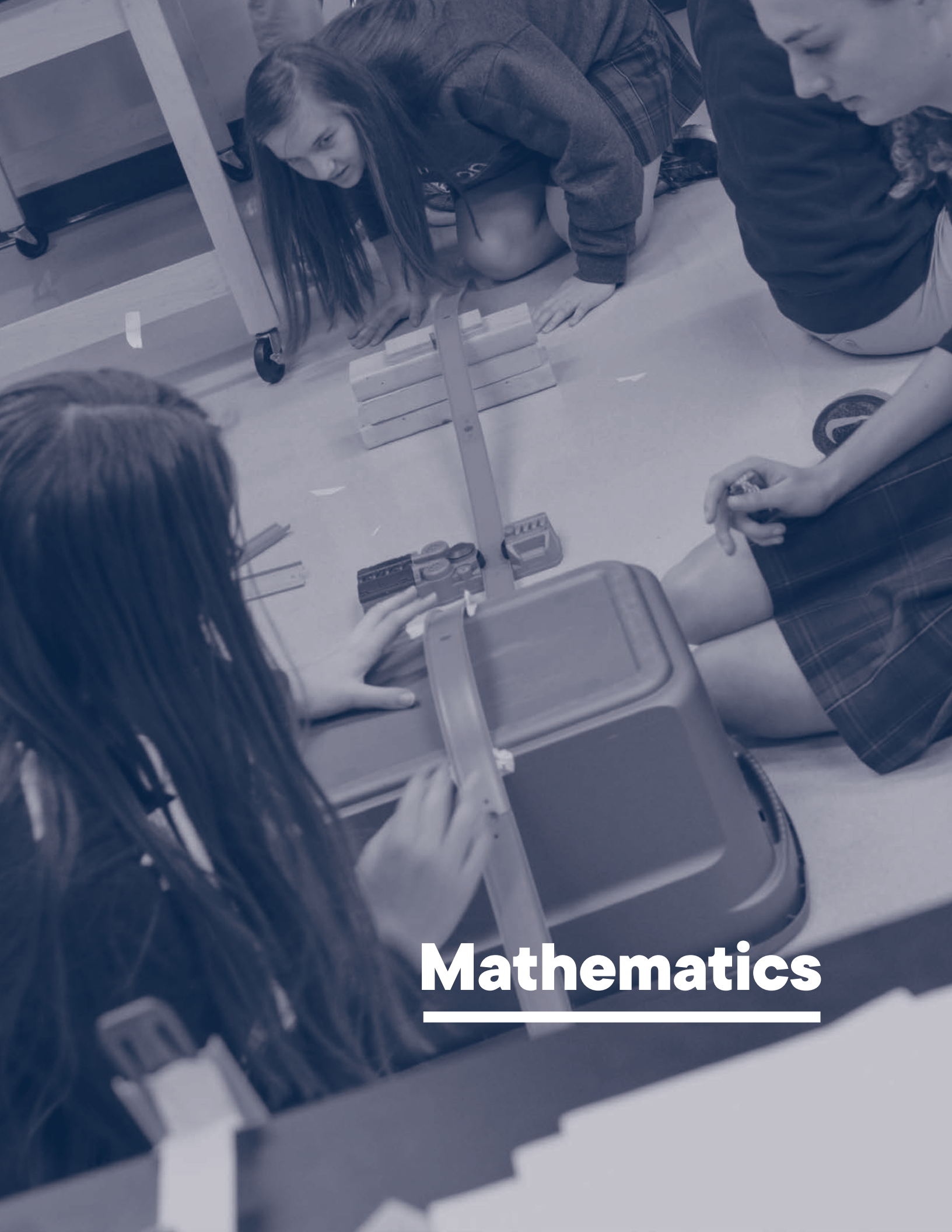
INDIGENOUS PEOPLE OF NORTH AMERICA

Students study the diverse experiences of the indigenous peoples of North America through history, literature, film and various mediums. This course provides a foundation for participation in the WISE trip, “First Nations: Heritage and Tradition in the 21st Century” to Vancouver, Canada. Students take a “backwards” approach to studying history by identifying contemporary events and conducting research to understand their origins. This course explores the questions: How have the indigenous people of North America survived and endured? How do countries reconcile their colonial pasts? How are the experiences of indigenous American people memorialized or forgotten? Who are First Nations people today? What are indigenous conceptualizations of land and resource use and how do they fit back into the capitalist world? In addition to numerous supplementary resources, the course uses “An Indigenous Peoples’ History of the United States” by Roxanne Dunbar-Ortiz as a foundational text.

PREREQUISITE: US History

COURSE DURATION: 1 Trimester

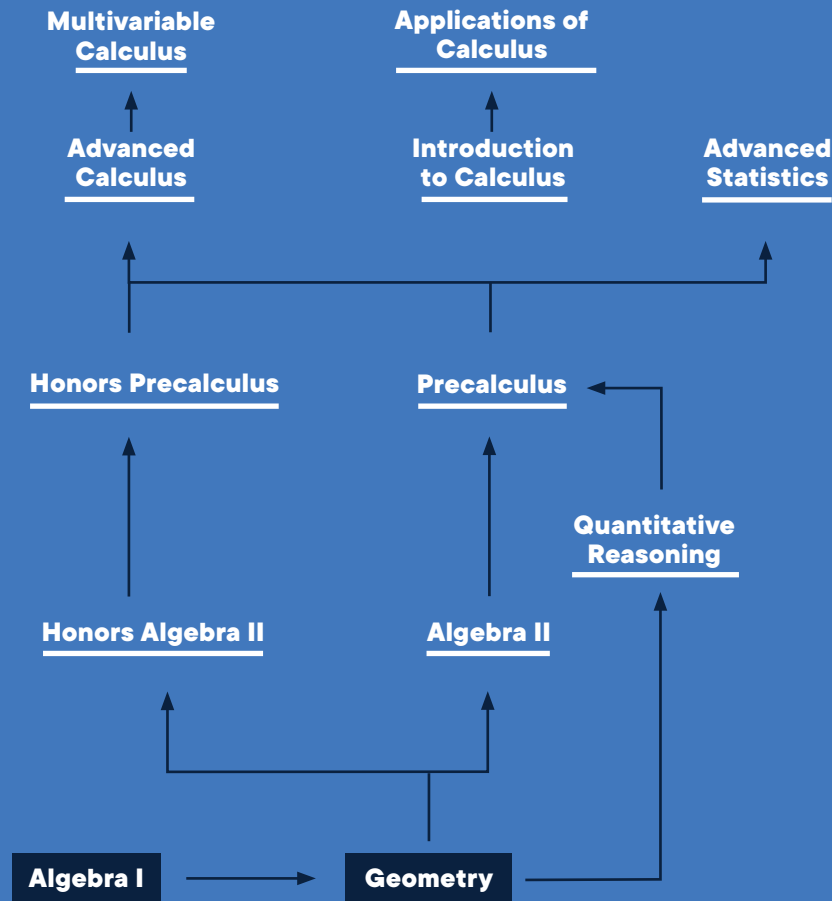
COURSE CREDIT: 1/3 History Credit



Mathematics

Mathematics Curriculum Progression

4 years are required



Trimester Courses

Cryptography
Data Science
Geometry, Art and Architecture
Linear Algebra
Mathematics in Social Justice
Personal Finance
Quantum Mechanics
Statistics

EXPECTED MATHEMATICS TRIMESTER GRID

1st Trimester (fall)	2nd Trimester (winter)	3rd Trimester (spring)
Mathematics in Social Justice	Personal Finance	Geometry, Art, and Architecture
Personal Finance	Data Science	Statistics
		Personal Finance

ALGEBRA I

This course forms the foundation for all college preparatory mathematics courses. In this course, students review basic algebraic concepts and their applications. Among the topics covered are real number properties, equation solving with one and two unknowns, rational expressions, polynomials, radicals, graphing, and problem-solving techniques. Students learn to describe the world around them with algebraic expressions, equations, and graphs. Applications, calculators, computers, and other manipulatives provide a context for the abstract language of algebra.

PREREQUISITE: None

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Mathematics Credit

GEOMETRY

This course focuses on problem solving, proof, and mathematical communication in a context that further strengthens algebraic skills. The classical approach to geometry is presented, along with various methods for solving problems. Topics covered include plane geometry, constructions, deductive and inductive proof, and elementary logic. This course also includes applied algebra, ratios and proportions, area and volume, circles, and right angle and non-right angle trigonometry. Graphing calculators are not required, but a scientific calculator with trigonometric functions is required.

PREREQUISITE: Algebra I

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Mathematics Credit

There are two course options for Algebra II. If a student is unsure which course is the best fit, he or she should speak to a current math teacher.

ALGEBRA II

This course emphasizes competency and fluency with the parent functions: linear, quadratic, cubic, exponential, rational, and roots as well as their transformations, compositions, inverses, and applications are emphasized. Students study these relations and functions as tools for modeling real world situations. The course builds upon the foundation laid within Algebra I, extending concepts and underscoring the requisite skills needed to move forward into the realm of higher-level mathematics. The TI-84 Plus graphing calculator is used within the course to enhance students' understanding of each concept.

PREREQUISITE: Algebra I

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Mathematics Credit

HONORS ALGEBRA II

This is an advanced, fast-paced and challenging Algebra II class for students interested in pursuing mathematics, science, or STEM-related careers. Students use various tools (TI graphing calculator, laptop, and Desmos) to explore and solve real-world problems that require the use of Algebra II concepts. Honors courses are intended to be more challenging than standard courses and provide multiple opportunities for students to take greater responsibility for their learning. Honors courses can be distinguished by a difference in the quality of the work rather than merely by the quantity of work. A TI-84 Plus graphing calculator is required.

PREREQUISITE: Department approval and A in Geometry

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Mathematics Credit

QUANTITATIVE REASONING

Quantitative Reasoning is a yearlong math course that focuses on the application of mathematics to real-world situations by using problem-solving skills, quantitative reasoning, and modeling techniques. The course reinforces and expands upon topics from algebra, geometry, statistics, and probability. This course is designed to promote reasoning and problem-solving skills through thematic units while requiring students to analyze unfamiliar situations and devise strategies that will lead to a solution.

PREREQUISITE: College Algebra I or Algebra II

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Mathematics Credit

PRECALCULUS

This year-long course consists of the following sequence of topics: trigonometry, probability and statistics, sequences and series, conics, rational functions, and a review of the functions studied thus far. This review of functions is algebraic and graphical, as well as for use in modeling various mathematical situations. This course prepares students to take calculus, statistics, or a college-level mathematics course the following year. A TI-84 Plus graphing calculator is required.

PREREQUISITE: Algebra II

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Mathematics Credit

HONORS PRECALCULUS

Honors Precalculus is specifically designed for students who plan to take advanced mathematics courses in the future. Material is covered in greater depth, at a faster pace, and from a more theoretical perspective than the regular precalculus course. This year-long course consists of the following sequence of topics: trigonometry, vectors, polar coordinates, parametric equations, probability and combinatorics, sequence and series, limits, continuity, and other introductory calculus topics. The course includes an ongoing cumulative review of functions both algebraically and graphically throughout the year.

PREREQUISITE: Department approval and B+ in Honors Algebra II

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Mathematics Credit

INTRODUCTION TO CALCULUS

This two-trimester course focuses on learning how to differentiate and integrate. As the derivative represents the slope of the curve and instantaneous change, students practice finding derivatives of functions. With a solid understanding of differentiation, students begin an in-depth study of the integral. This class is intended for most college-bound seniors who expect to study business or the sciences in college. This class is comparable to the first semester of calculus in most colleges.

PREREQUISITE: B in Precalculus

COURSE DURATION: 2 Trimesters

COURSE CREDIT: 2/3 Mathematics Credit

APPLICATIONS OF CALCULUS TRIMESTER

This course is designed to use the previous trimesters of differentiation and integration to solve calculus problems. Applications of the derivative focus on economics, business, and statistics. Applications of volume, surface area, and arc length finalize the trimester's studies.

PREREQUISITE: Introduction to Calculus Trimesters

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Mathematics Credit

MULTIVARIABLE CALCULUS

This yearlong course emphasizes the calculus of multi-variable systems. Working at a challenging college-level pace, students explore various topics including parametric equations, polar coordinates, vectors and surfaces, vector-valued functions, multi-variable integration and differentiation, and differential equations. Maple Math Software is used to aid in solutions, modelling and visualization of complex mathematical systems. A computer capable of running Maple Math Software is required.

PREREQUISITE: Advanced Calculus I and II, department approval

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Mathematics Credit

ADVANCED CALCULUS

This full-year course begins with the development of differential and integral calculus and its broad practical applications involving the slope of curves, area under the curve, and volume of rotated regions. Upon completion of Calculus I topics, students then explore advanced integration techniques, convergence or divergence of infinite series (power, Maclaurin, and Taylor series), and polynomial approximations of transcendental functions. Final topics of study include derivatives and integrals of parametric and polar equations. Students have the option of taking the Advanced Placement Calculus BC examination at the end of the year. A TI-84 Plus calculator is required.

PREREQUISITE: Department approval and an A in Precalculus or B in Honors Precalculus

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Mathematics Credit

ADVANCED STATISTICS

This full-year course provides opportunities for students to explore and make sense of real-world data, to predict patterns and trends when appropriate, and to properly collect samples and design experiments. They then explore the basics of statistical inference. Throughout the year, students complete multiple projects for which they gather their own data in an appropriate fashion, examine the data, draw conclusions from the data using statistical inference, and summarize their findings. Through projects, tests, and quizzes, students demonstrate an understanding of formal statistical language as well as the ability to explain their research to a non-statistician. Students have the option of taking the Advanced Placement Statistics exam at the end of the year.

PREREQUISITE: Department approval and Algebra II Honors or Precalculus

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Mathematics Credit

CRYPTOGRAPHY

Today's global society is increasingly dependent on mathematics and technology for data security. This course provides an overview of cryptography, beginning with a brief treatment of historical techniques, followed by a survey of various mathematical topics that are foundational to modern day cryptosystems. Students will learn new methods of proof and modular arithmetic, apply matrix theory to encryption, and explore different number bases. The culminating topic is the still widely used RSA algorithm, but mathematically inclined students should find this course valuable whether they are interested in pure mathematics or applied computer science. While some "practical" techniques will be discussed to encrypt and decrypt messages by hand, we will focus mainly on number theory. Serious cryptography is done on computers, and prior knowledge of computer programming is encouraged but not required; motivated students will find that cryptography provides a natural setting through which to begin learning or further develop their computer programming skills.

PREREQUISITE: Algebra II

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Mathematics Credit

GEOMETRY, ART, AND ARCHITECTURE

This course covers topics of mathematical structure in art and architecture and can be taken for either a visual arts credit or a mathematics credit. Related topics include the construction of polyhedra, the study of Platonic solids, the golden ratio, perspective, symmetry, and pattern in art. Students study geometry in architectural structures such as the Parthenon, modern architecture, and engineering. Additionally, students use computer-assisted design software to generate their own architectural designs. The culmination of this course includes visits to architectural sites and the production of podcasts.

PREREQUISITE: Geometry

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Mathematics or Visual Arts Credit

PERSONAL FINANCE

(Required for seniors)

This course is designed to provide students with opportunities to develop skills for solving real-world problems. It focuses on areas of study that address problems and applications in personal finance including financial planning, personal investing, budgeting, tax planning, real estate financing, credit management, insurance protection, and retirement planning.

PREREQUISITE: Algebra II; Open to seniors

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Mathematics Credit

MATHEMATICS IN SOCIAL JUSTICE

This course focuses on how mathematics can be used to create social change. This course explores income distribution, gender identity, immigration and border policies, climate change, and education. Students use a variety of skills from Algebra I, Geometry, and Algebra II to supplement the research they will conduct in this hands-on class. Each unit also has students reflect on what action steps they can take to promote social justice in their community.

PREREQUISITE: Algebra II or equivalent

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Mathematics Credit

STATISTICS

This course focuses on the science of collecting, organizing, and interpreting data. Students design experiments and interpret data through exploratory data analysis, probability and sampling distribution, and survey and experimental design. They learn how to make valid inferences based on data and to detect misleading uses of statistics. Students participate in several projects throughout the trimester. Emphasis is placed on writing valid conclusions in such a way that statisticians and non-statisticians can understand them. A TI-84 Plus calculator is required. This course may not be taken if a student is also enrolled in Advanced Statistics.

PREREQUISITE: Algebra II

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Mathematics Credit

DATA SCIENCE

In this course, students learn about the field of data science by doing hands-on projects using Python. Students first learn about essential programming skills in Python and then they will explore how to apply these skills to real-world data sets. Students complete a variety of projects that will require them to use statistical analysis to problem solve and make conclusions.

PREREQUISITE: Computer Science Essentials and Advanced Statistics or Statistics Trimester. Students can be concurrently enrolled in these courses.

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Mathematics Credit

LINEAR ALGEBRA

With applications in physics, engineering, computer science, economics, computer animation, and more, linear algebra is one of the most popular mathematics courses offered in universities, and increasingly in high schools. Students interested in these areas will undoubtedly be required to take this course early on as part of their major. Don't be fooled by the name – this is not a course about graphing lines! We will cover the basic theory underlying the core of the subject, specifically vectors and matrix algebra, determinants, eigenvectors and eigenvalues, vector spaces, and subspaces. The content is abstract but fascinating, and applications studied may include systems of equations in higher dimensions, linear programming, Markov chains, or graphs and networks.

PREREQUISITE: Precalculus or Honors Precalculus

COURSE DURATION: 1 Trimester

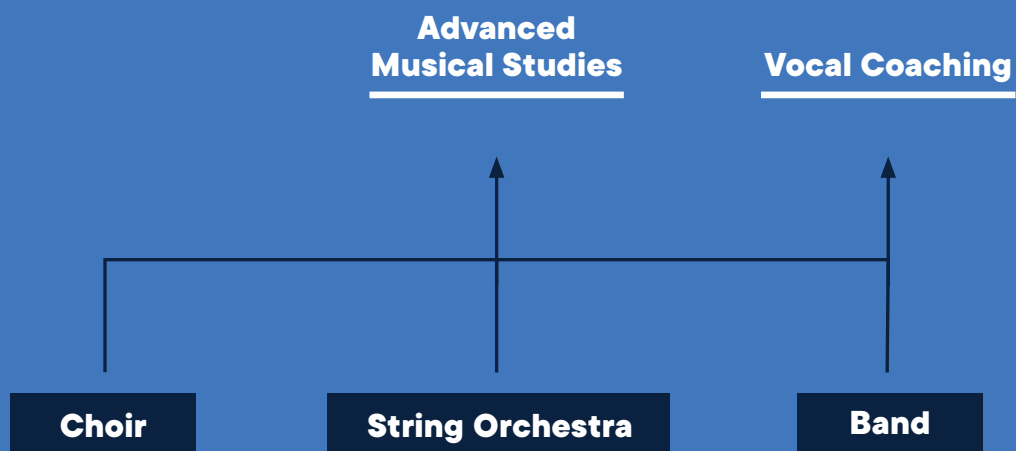
COURSE CREDIT: 1/3 Mathematics Credit



Performing Arts

Performing Arts Curriculum Progression

1 year is required



Drama Trimester Courses

Acting 1

Acting 2

Introduction to Theatre

Play Club: Modern Theatre Analysis

Technical Theatre Practicum

Theatrical Design

EXPECTED PERFORMING ARTS TRIMESTER GRID

1st Trimester (fall)	2nd Trimester (winter)	3rd Trimester (spring)
Drama – Technical Theatre Practicum	Drama – Acting 2	Drama – Theatrical Design
Drama – Acting 1	Speech	Group Voice
Drama – Introduction to Theatre	Group Voice	Drama – Play Club: Modern Theatre Analysis
Keyboard Skills		Keyboard Skills
Group Voice		

BAND

Participation in the upper school band is open to any student with at least two years of previous experience on a band instrument. The class incorporates literature from several genres, including concert band and jazz band. In addition, we focus on developing each student's capacity for technique and musicality. Concert performances are given in fall, winter, and spring. We frequently perform at area competitions and play as a pep band at several school functions throughout the year. Attendance is required for all concerts.

PREREQUISITE: Two years of prior experience on a band instrument or instructor approval

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Performing Arts Credit

CHOIR

Choir is open to any upper school student who expresses a desire to sing and learn basic vocal technique. Members of choir meet each class in full rehearsals with occasional sectional rehearsals on an as-needed basis. Concepts covered in class include group vocal technique, vocal production, appropriate breathing techniques, diction, building independence of vocal line, introduction to languages other than English, and stage deportment. Material covered is representative of all musical styles and genres. Members are required to perform in all regular concerts and to make occasional appearances outside of school.

PREREQUISITE: None

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Performing Arts Credit

STRING ORCHESTRA

String Orchestra is open to any upper school string player who has at least three years of experience on the violin, viola, cello, or bass. Chamber music in both large and small ensembles is explored with an emphasis on style and proper playing techniques. Attendance is required at all concerts in addition to the possibility of performing for the solo and ensemble contest. Music trips are scheduled periodically.

PREREQUISITE: Three years of experience on a string instrument

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Performing Arts Credit

DRAMA – TECHNICAL THEATRE PRACTICUM

What does it take to build and produce a theatrical production? Students will work hands on in this practical, lab-based class. Students learn technical theatre skills in the fields of scenic construction, lighting, scenic painting, sound, and much more. They learn the safe and proper way to use power tools to learn basic carpentry. We also work on elements of the current Wellington Main Stage production to acquire real-world experience. In the event that the mainstage show opens during the trimester class, students will also spend time as backstage crew for that production.

PREREQUISITE: None

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Performing Arts Credit

DRAMA – THEATRICAL DESIGN

This introductory theatre course is designed to enhance students' abilities to think critically, write, and create through exploring the basic question, "How and why is theatre made?" Students develop familiarity with the process of making theatre by reading and analyzing dramatic literature and exploring theatre study and the principles of design. Theatre is a fundamentally creative art; while coursework involves readings and writings, it also includes creative projects, culminating in a theatrical design of a play chosen by the class using several disciplines such as scenic, lighting, costuming, and sound design.

PREREQUISITE: None

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Performing Arts Credit

SPEECH

Through illuminating and persuasive speeches, as well as discussions about current events, students explore their strengths and improve their overall communication skills. As a capstone project, students write, develop, rehearse, and deliver a speech in the style of a TED Talk.

PREREQUISITE: English 10

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 English Credit

ADVANCED MUSICAL STUDIES

Advanced Musical Studies is a year-long course in which students consider the world of music from several perspectives. Basic music theory is covered in the scope of the class, including melody, harmony, rhythm, ear-training, and sight-singing. Additionally, we consider music from a cultural and historic point of view. Using the season schedules of many local music organizations (Columbus Symphony, Columbus Jazz Orchestra, OSU School of Music, ProMusica, and CAPA), we focus on specific works or genres and have the opportunity to hear them performed live. This course does not fulfill the Performing Arts graduation requirement. This course is offered during even numbered school years.

PREREQUISITE: Instructor approval

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Performing Arts Credit

DRAMA – ACTING I

Acting I introduces students to the process of acting, provides a solid foundation in realistic acting technique, and aids in developing the skills for creating a role. Students learn the importance of warming up as an actor; utilize a series of exercises aimed at sharpening the imagination and emotional expression; and develop the actor skills of concentration, attention, relaxation, breathing, playing objectives, and overcoming obstacles.

PREREQUISITE: None

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Performing Arts Credit

DRAMA – ACTING II

Acting II is a movement course designed to prepare students to learn to act. Postural habits are revealed and redirected for the student to develop grounded, centered, and dynamic body use. Various physical techniques are introduced including Suzuki, yoga, relaxation exercises, creative movement, and Laban. Through the process of exploring physical and personal awareness, students develop an aligned, expressive, and efficiently moving body that is more responsive to the needs of their imagination.

PREREQUISITE: Acting I

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Performing Arts Credit

DRAMA – INTRODUCTION

TO THEATRE

This course increases students' understanding, appreciation, and critical perceptions of the theatrical event. Through readings and lectures, we focus on the elements of theatrical practice; artists and innovators of theatre throughout history; and on the theatre's development as an art form and a social phenomenon. Optional attendance at theatrical events will offer first-hand experience in theatre arts.

PREREQUISITE: None

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Performing Arts Credit

DRAMA – PLAY CLUB: MODERN THEATRE ANALYSIS

This course draws upon faculty and guest artists from Available Light Theatre to explore the modern theatrical literature of the new millennium. This course includes an introduction to the dramatic theory, structure, analysis, and theatre literature. Students study a selection of diverse weekly readings and participate in class discussions.

PREREQUISITE: Open to juniors and seniors

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Performing Arts Credit

KEYBOARD SKILLS

Students learn beginning piano/keyboard technique as well as beginning music theory and aural skills, including: music literacy (notes, rhythms, key signatures, time signatures), an introduction to sight singing/reading, identifying intervals, basic chord structure (3 and 4 voice chords), and playing piano repertoire.

PREREQUISITE: None

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Performing Arts Credit

GROUP VOICE

The class focuses on helping students learn about their voice and various techniques for healthy singing and speaking. Throughout the trimester, students learn about singing, including the anatomy and physiology of the vocal mechanism, proper breath support, tone quality, intonation, diction, phrasing, and song selection. The course includes weekly classes incorporating vocal exercises, exploring various performance techniques, and singing selected repertoire. Students in this class will be expected to sing as a group and at least once as a soloist.

PREREQUISITE: None

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Performing Arts Credit


APPLIED VOICE

An intensive, one-on-one study of the voice. Intended for those pursuing further education or a career in the performing arts, or those with existing knowledge and experience in voice. The course focuses on anatomy and physiology of the singing mechanism and techniques for singing a variety of vocal music genres, with a heavy focus on repertoire and performance techniques.

PREREQUISITE: Group Voice or previous voice lessons, approval from instructor

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Performing Arts Credit



Physical Education

Physical Education Curriculum Progression

1 year of Physical Education required (or sport waiver)

Trimester Courses

Conditioning and Weight Training

Sports Performance Training

Yoga

Outdoor Physical Education



**Physical
Education**

EXPECTED PHYSICAL EDUCATION TRIMESTER GRID

1st Trimester (fall)	2nd Trimester (winter)	3rd Trimester (spring)
Physical Education	Physical Education	Physical Education
Conditioning and Weight Training	Conditioning and Weight Training	Sports Performance Training
Sports Performance Training	Sports Performance Training	Yoga
Outdoor Physical Education		Conditioning and Weight Training

PHYSICAL EDUCATION

(Required for freshmen)

Students enrolled in physical education participate in a wide variety of rigorous activities including team and lifetime sports. Team sports studied include flag football, soccer, Ultimate Frisbee, volleyball, basketball, team handball, floor hockey, indoor lacrosse, softball, and rugby. Individual and lifetime activities include disk golf, golf, tennis, physical fitness, weight training, badminton, and table tennis. Students study different types of games and activities and then research and develop their own games. Hard work, fair competition, cooperation, sportsmanship, fitness, and enjoyment of physical activity are emphasized and encouraged. Students may sign up for the trimesters in any order or combination and may repeat a trimester as many times as they wish.

PREREQUISITE: None

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Physical Education Credit

1st Trimester	2nd Trimester	3rd Trimester
Flag Football	Basketball	Table Tennis
Disc Golf	Volleyball	Kickball
Kayaking	Floor Hockey	Rugby
Ultimate Frisbee	Team Handball	Softball
Mat Ball Games	Badminton	Tennis
Physical Fitness	Tchoukball	Disc Golf
Soccer	Physical Fitness	Cricket
Speedball	Mat Ball Games	Physical Fitness
Create a Game	Create a Game	Mat Ball Games
Tennis	Curling	Create a Game
		Kayaking

CONDITIONING AND WEIGHT TRAINING

Students are given the opportunity to learn fitness concepts and conditioning techniques used for obtaining optimal physical fitness. Students benefit from comprehensive weight training and cardiorespiratory endurance activities. Students learn the basic fundamentals of strength training, aerobic training, and overall fitness training and conditioning. This course includes both lecture and activity sessions. Students are empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

PREREQUISITE: None

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Physical Education Credit

OUTDOOR PHYSICAL EDUCATION

Students study a variety of outdoor activities that are introduced at school, practiced on campus, and then taken off-campus for further experiences. Some off-campus experiences occur after school or on the weekends to allow for deeper study. The course includes lecture, lab, and activity sessions. Students need to have access to a working bicycle and a bicycle helmet. Units of study may include kayaking, bicycling, bicycling repair, geocaching, orienteering, hiking, climbing/bouldering, first aid training, CPR, sand volleyball, rip-sticking, archery, and angling or fly-fishing. Backpacking, rollerblading/skateboarding, and an overnight experience may be possible depending on the group's experience and skill. A lab fee may be required.

PREREQUISITE: Access to a working bicycle and bicycle helmet

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Physical Education Credit

SPORTS PERFORMANCE TRAINING

Student athletes learn the fundamentals of strength training, plyometrics, speed, agility, flexibility, and corrective exercises. The student athletes progress through a variety of exercises performed to increase their overall body strength and linear/lateral speed. This is a hands-on course in which student athletes have the opportunity to gain enhanced athletic ability that directly transfers to the success of their sports performance.

PREREQUISITE: Participation in a Wellington sport or teacher approval

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Physical Education Credit

YOGA

This course provides students an opportunity to either experience yoga for the first time or improve their yoga practice. The benefits of consistent yoga practice complement the busy, stressful lives of adolescents. We may also visit studios in the area to experience different kinds of yoga. Each student needs a yoga mat and must wear comfortable clothing. This course may count as a Physical Education credit if a student has earned, or will earn, at least 1/3 of a Physical Education credit from a class taught by a Physical Education specialist.

PREREQUISITE: None

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Physical Education Credit



Science

Science Curriculum Progression

3 years of lab sciences are required
(including 1 year of biological sciences and 1 year of physical sciences)

Yearlong Courses

Anatomy & Physiology
Advanced Biology
Advanced Chemistry
Advanced Physics
Advanced Psychology and Neuroscience

Trimester Courses

Amusement Parks: Energy and Rotational Motion
A Biography of Cancer
Electricity and Magnetism
Applied Chemistry: Sustainability
Waves and Optics
Astronomy

Hydroponics: Sustainable Farming Practices
Applied Chemistry: Climate Change
The Big Trimester: Audubon, Birding, and Ecology
The Science of Cooking

Independent Science Research

Introduction to Engineering (2 Trimesters)

Engineering Design and Robotics

Foundations of Physical and Biological Sciences II

LIFETIME HEALTH

Health Trimester Courses

Foundations of Physical and Biological Sciences I

Nutrition
Social and Emotional Health
Human Sexuality
Sports Psychology

EXPECTED SCIENCE TRIMESTER GRID

1st Trimester (fall)	2nd Trimester (winter)	3rd Trimester (spring)
Applied Chemistry: Climate Change	Applied Chemistry: Sustainability	The Science of Cooking
Astronomy	Waves and Optics	Electricity and Magnetism
Amusement Parks: Energy and Rotational Motion	Social and Emotional Health (trimester may vary)	Human Sexuality
Sports Psychology	Nutrition (trimester may vary)	The Big Trimester: Audubon, Birding, and Ecology
Lifetime Health	Lifetime Health	Lifetime Health
Biography of Cancer		Hydroponics: Sustainable Farming Practices

FOUNDATIONS OF PHYSICAL AND BIOLOGICAL SCIENCE I

(Required for freshmen)

This freshman-level year-long course covers foundational topics in physics, chemistry, and biology. This course emphasizes the basic and universal physical laws that govern the structure and behavior of matter as they are expressed all around us—in the very large (astronomy) to the very small (fundamental particles, atomic structure, cellular structure), from the simple (phases of matter, solution chemistry) to the complex (evolution, genetics, ecology). Class activities include group laboratory experiments, lecture and discussion, and problem-solving sessions. Laboratory experiments are designed to instruct students on scientific research techniques and skills including observation, documentation, data analysis and evaluation, and background source evaluation and usage. This course is team-taught by biology, chemistry, and physics teachers. Upon completion, students are eligible to take Foundations of Physical and Biological Science II.

PREREQUISITE: None

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Credit (1/2 Biological Science and 1/2 Physical Science)

MEETS LABORATORY SCIENCES REQUIREMENT: Yes

FOUNDATIONS OF PHYSICAL AND BIOLOGICAL SCIENCE II

(Required for sophomores)

This sophomore-level course is a continuation of Foundations of Physical and Biological Science I with specific topics expanding on those from the previous year. Topics include forces, energy, momentum, chemical reactions and stoichiometry, acid-base chemistry, biological molecules and organism structures and functions, heredity, and energy dynamics. This course includes topics from biology, chemistry, and physics. Class activities include group laboratory experiments, lecture and discussion, and problem-solving sessions. Laboratory experiments are designed to instruct students on scientific research techniques and skills including observation, documentation, data analysis and evaluation, and background source evaluation and usage. This course is team-taught by biology, chemistry, and physics teachers.

PREREQUISITE: Foundations of Physical and Biological Science I

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Credit (1/2 Biological Science and 1/2 Physical Science)

MEETS LABORATORY SCIENCES REQUIREMENT: Yes

ADVANCED BIOLOGY

This advanced course is designed to provide an extensive exploration of major concepts in the field of biology covering the microscopic to the macroscopic. In the molecular biology unit, students learn about the Central Dogma and the genetics of inheritance. The vast field of immunology is explored during the cellular biology unit. The complexities of scientific research are taught during the student-designed plant biology lab. In addition, students engage in extensive discussions regarding the scientific processes that led to the discovery of the protein kinesin. Finally, the course discusses the big picture of biology by examining evolution, ecology, and population genetics. The course is designed to be taught at the level of an introductory college course for science majors. Advanced Biology is a continuation of the foundations developed in physics, chemistry, and biology courses. The course goals will be accomplished through lecture, class discussions, labs, and projects.

PREREQUISITE: Foundations of Physical and Biological Sciences I and II; department approval

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Biological Science Credit

MEETS LABORATORY SCIENCES REQUIREMENT: Yes

ADVANCED CHEMISTRY

Advanced Chemistry investigates major concepts on an introductory college level and builds upon principles covered in the foundation courses. Topics include quantum mechanics, kinetics and equilibria, thermodynamics, electrochemistry, and organic chemistry. Students are exposed to concepts explored in first-year college chemistry and beyond. The use of mathematics is extensive and a college-level text is used.

PREREQUISITE: Foundations of Physical and Biological Sciences I and II; Algebra II or Honors Algebra II; department approval

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Physical Science Credit

MEETS LABORATORY SCIENCES REQUIREMENT: Yes

ADVANCED PHYSICS

This rigorous course explores the topics of mechanics, electricity, and magnetism as it develops students' physical and mathematical intuition. While material from previous physics courses is reviewed, this course goes into greater depth, using calculus to model and solve realistic problems. Demonstrations and hands-on activities are used to build understanding and provide opportunities to apply knowledge. Designed as a first-year college-level course for science majors, Advanced Physics covers many of the topics present on the AP exam, although additional individual study is required. Each student is required to purchase his or her own textbook.

PREREQUISITE: Foundations of Physical and Biological Sciences I and II; Calculus, Advanced Calculus or concurrent enrollment in either; department approval

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Physical Science Credit

MEETS LABORATORY SCIENCES REQUIREMENT: Yes

ADVANCED PSYCHOLOGY AND NEUROSCIENCE

Psychology is a broad discipline with ties to both the social and natural sciences. As such, this course is taught by both science and humanities faculty. Advanced Psychology and Neuroscience introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. To fully understand psychology and behavior, it is critical to have a thorough understanding of the physical and biological processes occurring within the brain. The first trimester focuses on the chemical, molecular, electrical, and cellular neurobiology and how these physical processes within the brain manifest in complex human behavior. The second and third trimesters then build upon the biological basis of neuroscience to further explore psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Ultimately, students utilize the knowledge gained from the course to research and present on a recent psychological study with a focus on the ethics and methods psychologists use in their science and practice.

PREREQUISITE: Foundations of Physical and Biological Science I and II; US History

COURSE DURATION: 1 Year

COURSE CREDIT: 1/3 Biological Science Credit, 1/3 History Credit, 1/3 Credit

MEETS LABORATORY SCIENCES REQUIREMENT: Yes

ANATOMY & PHYSIOLOGY

This is a college-preparatory science course designed as an introduction for students considering careers in medicine, nursing, physical therapy, sports medicine, or education, or for any student who is just curious about the inner workings of the human body. The course covers the structure and function of major body systems including the integumentary, skeletal, muscular, digestive, cardiovascular, respiratory, nervous, endocrine, and reproductive systems. Conditions related to these body systems are also discussed. The course consists of lecture, extensive discussion, homework, quizzes/tests, and laboratory exercises (including dissection). The lab exercises are designed to provide students with hands-on opportunities to experience and understand the principles being studied.

PREREQUISITE: Foundations of Physical and Biological Sciences I & II

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Biological Science Credit

MEETS LABORATORY SCIENCES REQUIREMENT: Yes

AMUSEMENT PARKS: ENERGY AND ROTATION MOTION

Building upon the discussion of forces from Foundations of Physical and Biological Sciences II, this course explores energy transfers and rotational dynamics. Amusement park rides serve as examples of these phenomena and allow students to draw upon their own experiences. The course begins with an overview of work and energy, considering how roller coasters are designed. Next, students explore rotational motion considering Ferris wheels and merry-go-rounds. Laboratory work, demonstrations, and numerous hands-on activities provide tangible examples of these topics. The course utilizes physical reasoning and algebra-based problem-solving. This course may appear as Energy and Rotational Motion on transcripts.

PREREQUISITE: Foundations of Physical and Biological Science I and II; Algebra II or Honors Algebra II

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Physical Science Credit

MEETS LABORATORY SCIENCE REQUIREMENT: Yes

ASTRONOMY

This course provides a broad overview of several topics in modern astronomy. First, it provides a historical perspective and understanding of celestial observation. Next, it examines our solar system: how it formed, the objects it contains, and the rules that govern it. Finally, it zooms out to consider the large scale structure of the universe. A primary focus is on how astronomical theories and models were developed. Algebra is used when we discuss the physical laws supporting these theories.

PREREQUISITE: Foundations of Physical and Biological Science I and II; Algebra II or Honors Algebra II

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Nondepartmental Credit

MEETS LABORATORY SCIENCES REQUIREMENT: No

A BIOGRAPHY OF CANCER

A Biography of Cancer draws inspiration from Dr. Mukherjee's Pulitzer Prize-winning book, "The Emperor of All Maladies: A Biography of Cancer." The curriculum includes the history of cancer from its discovery to the current state-of-the-art prevention, diagnosis, and treatment. It also tackles the social and economic climates that both supported and deterred cancer research and treatment advances, which may appeal to humanities students. Scientifically, the course covers the biology and chemistry of the disease; the biology, chemistry, and physics of diagnosis and treatment, and the role of prevention.

PREREQUISITE: Foundations of Physical and Biological Sciences I and II

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Biological Science Credit

MEETS LABORATORY SCIENCES REQUIREMENT: Yes

SPORTS PSYCHOLOGY

Sports Psychology is designed to provide students with an understanding of the theoretical structure that underlies psychology as it has been applied to sport. Various mental training skills that can enhance one's athletic performance are also covered. Other areas of exploration include stress, motivation, goal-setting, leadership, and imagery.

PREREQUISITE: Open to juniors and seniors

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Health Credit

MEETS LABORATORY SCIENCES REQUIREMENT: No

ELECTRICITY AND MAGNETISM

Electricity and Magnetism provides an overview of classical electromagnetism. It begins by exploring the nature of charge, electric fields, and electricity. Simple circuits and household wiring are considered. Next, the nature of magnetism is investigated, examining magnetic fields, magnetic forces, electric motors, and electric generators. A brief detour is taken into modern electricity production and transmission. Laboratory work, demonstrations, and numerous hands-on activities provide tangible examples of these topics. The course utilizes physical reasoning and algebra-based problem-solving.

PREREQUISITE: Foundations of Physical and Biological Sciences I and II; Algebra II or Honors Algebra II

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Physical Science credit

MEETS LABORATORY SCIENCES REQUIREMENT: Yes

HUMAN SEXUALITY

Human Sexuality is designed to help seniors with the transition to the dynamic environment of college and beyond. The course helps navigate increased personal freedom by focusing on various aspects of human sexuality. Topics such as decision making, personal responsibility, and appropriate behaviors are explored, as they are relevant to maintaining or improving personal health. Topics may include: gender and sexuality issues, dating violence, social norms, emotions, orientation, impact of the media, cultural perspectives, historical views, contraception, and diseases. This seminar-style course embraces multiple perspectives, including those of students, faculty, and parents.

PREREQUISITE: Open to seniors

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Health Credit

MEETS LABORATORY SCIENCES REQUIREMENT: No

All students are required to take Lifetime Health and one additional trimester of health credit.

LIFETIME HEALTH (Required for all students)

Lifetime Health examines the physical, mental, social, emotional, and behavioral aspects of health and wellness in today's society. Students explore the role of behavior change, decision-making, nutrition, physical fitness, mental health, drugs, alcohol, and human sexuality in consideration of decisions made striving for a healthy lifestyle. Activities and projects are used to relate and apply concepts to help develop positive lifestyle behaviors as well as to examine current health and wellness topics in our society.

PREREQUISITE: None

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Health Credit

MEETS LABORATORY SCIENCES REQUIREMENT: No

NUTRITION

Nutrition is an introduction to nutrients and sources, digestive and metabolic processes, and the health impact of nutrient deficiencies and excesses. Discussion incorporates the relationships between food, nutrition, health, culture, and the environment. Environmental issues include world food supply and choices, food access and security, agriculture and production, and food safety. Essentials of human nutrition that improve and sustain optimal performance for sport and exercise are also emphasized.

PREREQUISITE: Open to sophomores, juniors, and seniors

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Health Credit

MEETS LABORATORY SCIENCES REQUIREMENT: No

APPLIED CHEMISTRY: CLIMATE CHANGE

Global warming and climate change are topics that are in the news on a regular basis. They are more than buzzwords, however. Our world requires its human residents to be knowledgeable about the environment to better guide government, economic, and social policy. This course introduces students to the complex issue of climate change. In addition to a basic overview of atmospheric science, students also explore the climate system and how various drivers push on the equilibria of its various mechanisms. The current climate is explored in context of paleoclimates, and models are explored to project what awaits earth's inhabitants in the future. In addition to working with climate data, students also learn about the methods being used to study climate – past, present, and future.

PREREQUISITE: Foundations of Physical and Biological Science I and II

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Physical Science Credit

MEETS LABORATORY SCIENCE REQUIREMENT: Yes

APPLIED CHEMISTRY: SUSTAINABILITY

Sustainable development is defined in the United Nations' 1987 Brundtland Report, Our Common Future, as "development that meets the needs of the present without compromising the ability of future generations to meet their own needs." This course introduces the concepts of sustainability. Students learn about the long-term economic and environmental necessity of reimagining our society and identify the concerns and growing pains associated with change. This course is primarily designed for those students who will participate in the junior year WISE trip, Sustainability in Scandinavia. Students make connections with business and scientific leaders in Columbus, Copenhagen, and other locations to learn more about the cultural and economic factors that might make a sustainable model easier to pursue in one region over another. Students also learn about the sustainability programs that are already in place in the Central Ohio community, as well as ways in which they can play a role.

PREREQUISITE: Foundations of Physical and Biological Science I and II

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Physical Science Credit

MEETS LABORATORY SCIENCE REQUIREMENT: Yes

SOCIAL AND EMOTIONAL HEALTH

This course is an introduction to the scientific study of behavior with a focus on social and emotional health and development. Typical topics surveyed include the study of the brain, mental states, emotional response and regulation, perception, learning, thinking, motivation, social development, technology, and psychological disorders. Additionally, this course enhances critical thinking skills by acquainting students with fundamental research techniques and discussions of literary works based upon fundamental social and emotional issues.

PREREQUISITE: Open to sophomores, juniors, and seniors

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Health Credit

MEETS LABORATORY SCIENCES REQUIREMENT: No

INDEPENDENT SCIENCE RESEARCH (ISR)

Each student in this course develops and implements a research project in consultation with the faculty of the science department. Students may choose to execute the research project in conjunction with one or two other students enrolled in ISR, with science department approval. Students are expected to be a part of experimental design, data collection, and data analysis. Each student must find an outside research expert in the field of study. Students are required to achieve research benchmarks, meet deadlines, and demonstrate core competencies throughout the year. This culminates in a presentation to members of the Wellington community. Although this class is an independent study, students are scheduled into a class period and frequently meet with other students in the course.

PREREQUISITE: Department approval

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Laboratory Science Credit

MEETS LABORATORY SCIENCES REQUIREMENT: Yes

WAVES AND OPTICS

Waves and Optics explores the nature of waves. The course begins with an overview of waves, looking at the behavior of water waves and physical waves found in earthquakes. Next, sound waves and the production of musical sounds are investigated. Finally, light waves and their associated phenomena are examined, such as mirrors, prisms, lenses, and the human eye. Laboratory work, demonstrations, and numerous hands-on activities provide tangible examples of these topics. The course utilizes physical reasoning and algebra-based problem-solving.

PREREQUISITE: Foundations of Physical and Biological Sciences I and II; Algebra II or Honors Algebra II

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Physical Science credit

MEETS LABORATORY SCIENCES REQUIREMENT: Yes

INTRODUCTION TO ENGINEERING

This course presents a survey of a range of engineering skills, fundamentals, and career opportunities. Topics include Computer Aided Design (CAD) and 3D printing, computer applications in engineering, basic engineering mechanics, basic circuits, and electronics. Students are introduced to a systematic approach to engineering problem solving.

PREREQUISITE: Foundations of Physical and Biological Science I and II; Algebra II or Honors Algebra II

COURSE DURATION: 2 Trimesters

COURSE CREDIT: 2/3 Physical Science Credit

MEETS LABORATORY SCIENCES REQUIREMENT: Yes

ENGINEERING DESIGN AND ROBOTICS

This class is a formal introduction to engineering design thinking and robotics. It introduces many of the skills necessary to contribute to the Wellington First FTC robotics team, including Computer Aided Design, 3D printing, programming, circuits, and building skills. Students construct their own robots and participate in a series of design challenges.

PREREQUISITE: Introduction to Engineering

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Physical Science Credit

MEETS LABORATORY SCIENCE REQUIREMENT: Yes

HYDROPONICS: SUSTAINABLE FARMING PRACTICES

This course is an introductory level course in hydroponics and aquaponics for students considering careers in climatology, environmental science, horticulture, and sustainability. In this course, students are introduced to the history of hydroponics and the creator of the Kratky Method as well as numerous other creators who have perfected methodologies in hydroponics, aquaponics, and aeroponics. Yearlong, hands-on projects include designing an individualized hydroponic or aquaponics system that successfully (or unsuccessfully) demonstrates the phases of germination, growth, and harvest of selected vegetables, fruits, flowers, or trees. Opportunities to design and build a Personal Food Computer via the MIT Media Lab are encouraged. While the course relies on data collection and measurement of natural and chemical resources, students ultimately define mastery of this subject by the quality of harvest yields vs. the quantity of resources preserved.

PREREQUISITE: Foundations of Physical and Biological Science I and II

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Biological Science Credit

MEETS LABORATORY SCIENCES REQUIREMENT: Yes

THE SCIENCE OF COOKING

The Science of Cooking course will provide students with a unique way to learn about scientific principles involved in cooking and learn how to improve the food they create through the application of these principles. Students will learn about physical science concepts such as thermal conductivity, chemical reactions, and physical properties of water and biological science concepts such as chemical makeup and anatomy of ingredients and bacterial growth and food safety. The Science of Cooking will utilize the scientific method to teach students how to refine their cooking process and improve the recipes they create by the end of the course. This course may appear as Applied Chemistry: Cooking on transcripts.

PREREQUISITE: Foundations of Physical and Biological Sciences I and II

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Physical Science or Biological Science Credit

MEETS LABORATORY SCIENCE REQUIREMENT: Yes

THE BIG TRIMESTER: AUDUBON, BIRDING, AND ECOLOGY

The Big Year is an annual challenge where birders attempt to observe and identify the most species of birds. During the spring, Wellington students compete in their own 'Big Trimester.' To support their Big Trimester, students learn bird identification, migration patterns, and the physics of optics used in binoculars, scopes, and photographic lenses. The majority of classes will be taught outdoors, on and off campus. Students in this course are responsible for establishing and maintaining the Wellington Audubon Society – a series of resources that engage our community in birdwatching. These assets include the assembly of field guides, the design and construction of birdhouses and feeders, the maintenance of binocular sets, and demonstrations for the Lower and Middle Schools. This course may appear as Ornithology on transcripts.

PREREQUISITE: Foundations of Physical and Biological Sciences I and II

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Biological Science Credit

MEETS LABORATORY SCIENCE REQUIREMENT: Yes

MARINE BIOLOGY

Marine Biology explores oceanography as well as the dynamics of a variety of marine and coastal ecosystems. A primary focus throughout the course is on the diverse array of organisms that live in and around the oceans of the world. Topics such as marine phytoplankton and zooplankton, fisheries, marine mammals, and coral reef ecology are explored. Students gain and demonstrate knowledge through lectures, class discussion based on independent research, laboratory activities, and experiments. A significant portion of the course focuses on the impact of humans on marine ecosystems and includes a service-learning project on the conservation and protection of marine ecosystems. Optional: Open water SCUBA instruction and confined-water (pool) training sessions are available for students interested in SCUBA certification and a unique marine science experience.

PREREQUISITE: Foundations of Physical and Biological Sciences I and II

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Biological Science Credit

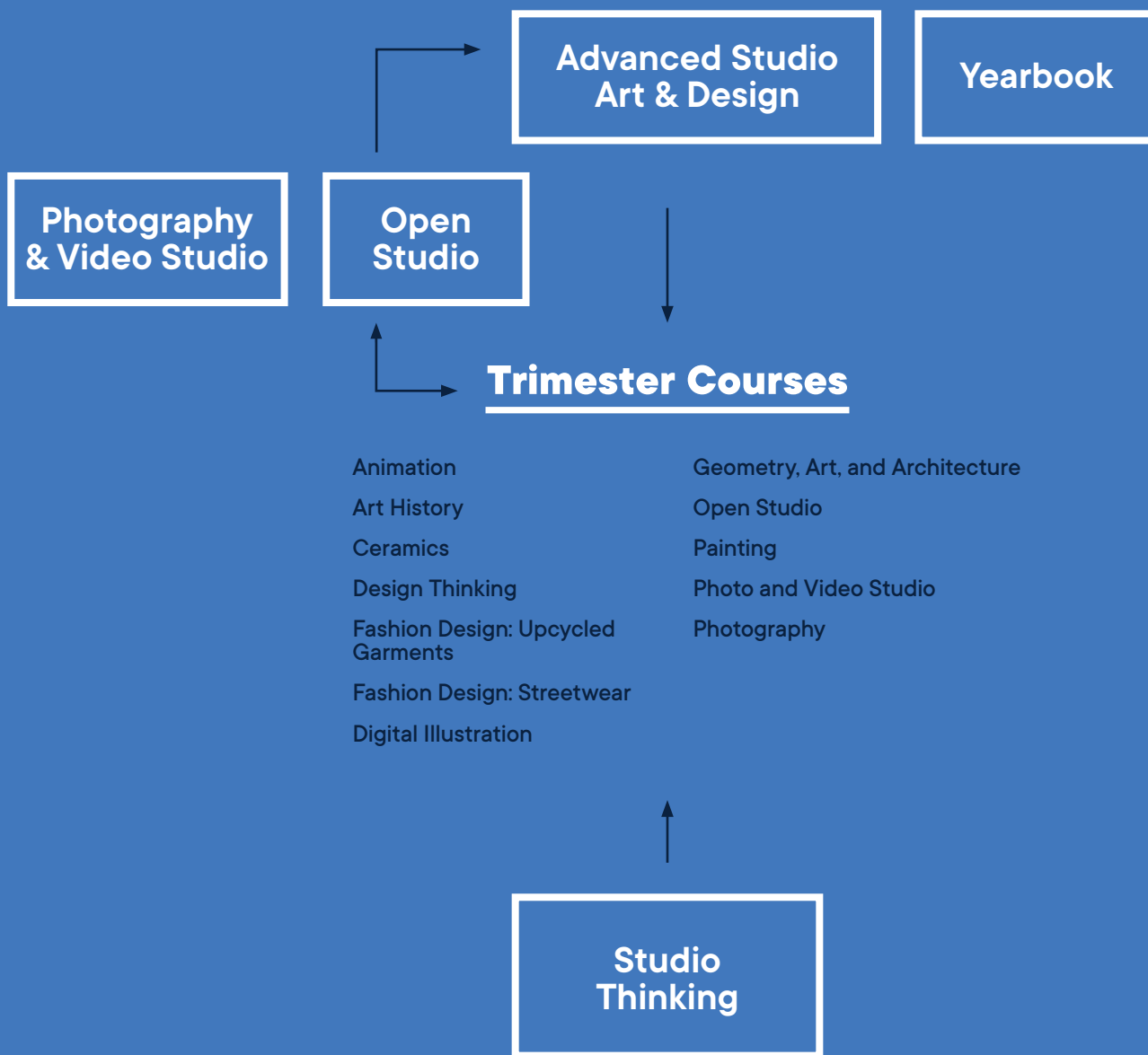
MEETS LABORATORY SCIENCE REQUIREMENT: Yes



Visual Arts

Visual Arts Curriculum Progression

1 credit required



EXPECTED VISUAL ARTS TRIMESTER GRID

1st Trimester (fall)	2nd Trimester (winter)	3rd Trimester (spring)
Studio Thinking	Studio Thinking	Studio Thinking
Design Thinking	Design Thinking	Design Thinking
Fashion Design: Upcycling	Fashion Design: Streetwear	Open Studio
Ceramics	Glass Art	Ceramics
English: Book Arts	Digital Illustration	Geometry, Art, and Architecture
Photography	Photography	Photo and Video Studio
Painting	Painting	Painting
Art History		Animation

ANIMATION

This course is designed to teach students the basics of animation. Students will learn how to create characters, storyboard, present and create an animated story. Students will be introduced to the principles of animation and basic techniques including staging, timing, mechanics and kinetics. Students will move from basic flip book and analog animation to creating a short digital animation using Adobe Animate—where they will work with digital timelines, key frames and outputting content for the web. Students will work on their own and in teams to script, plot, and bring to life an animated story or scene.

PREREQUISITE: Studio Thinking

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Visual Arts Credit

CERAMICS

Students study the historical context of ceramics in the past and present while developing their own voice with this tactile material. This course covers the basics of thrown pottery and hand-building techniques in pinch, slab, and coil while creating exquisite vessels and sculptures. An understanding of the transformative process of clay is discovered by learning about glaze composition and the firing process in an electric kiln.

PREREQUISITE: Studio Thinking

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Visual Arts Credit

DESIGN THINKING

This course is an introduction to the historical and contemporary world of design. Students explore the design thinking process as a means of addressing a series of visual challenges. Visual communication skills using color, balance, emphasis, pattern, contrast, scale and movement are developed, while also learning the basics in professional design programs such as Photoshop and Illustrator. This course fulfills the sophomore digital literacy requirement.

PREREQUISITE: Studio Thinking

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Visual Arts Credit

FASHION DESIGN: STREETWEAR

Students learn about the history of streetwear and fashion brands while examining their influence on culture and society in the past and present. An introduction to the design process is taught in preparation for students to take on the ultimate design challenge: creating a one-of-a-kind shoe inspired by a theme of their choice. Use of both handmade methods and digital applications will be explored through collaborative projects.

PREREQUISITE: Studio Thinking

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Visual Arts Credit

FASHION DESIGN: UPCYCLING

Inspired by our need to reduce, reuse, and recycle, this course focuses on the environmental impacts of the fashion industry. Moodboards, fashion illustrations, and swatches are used to imagine extraordinary designs. Experimentation with altering fabrics using dye, ink and paint are explored. Designers will begin learning the basics of sewing by hand eventually transitioning to working on a sewing machine. Learn how to fully construct a garment from start to finish using patterns and draping. A showcase of completed garments from the course are revealed at the conclusion of the course.

PREREQUISITE: Studio Thinking

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Visual Arts Credit

GEOMETRY, ART, AND ARCHITECTURE

This course covers topics of mathematical structure in art and architecture. Related topics include the construction of polyhedrals, the study of Platonic solids, the golden ratio, perspective, symmetry, and pattern in art. Geometry in architectural structures such as the Parthenon, modern architecture, and engineering are studied. Students apply the design process and digital programs such as SketchUp or CAD to create 3D models. The culmination of this course includes visits to architectural sites and an architectural model inspired by a past, present, or future architectural style of their choice.

PREREQUISITE: Geometry

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Visual Arts Credit

ART HISTORY

Art will be used as a lens through which to examine history. Students spend the trimester exploring seminal artworks from distinct historical periods and will investigate techniques used in each works' creation as well as historical, cultural and socio-economic factors that may have influenced the style and meaning associated with each piece. The course will explore composition, form, and historical context with an emphasis on analysis and discussion of the role of art in each society or time period examined.

PREREQUISITE: Studio Thinking

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Visual Arts Credit

PHOTO AND VIDEO STUDIO

This course explores visual storytelling through the medium of digital photography and video. Students will concentrate on technical skills such as composition and lighting while also growing their understanding of the conceptual side of video and photographic art. Students will explore digital editing of both still and moving images and will learn how to use software related to editing. In addition to daily assignments, students will complete one series of photographs and one short film. Students will be expected to maintain and post their work to a simple website we create in class.

PREREQUISITE: Photography

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Visual Arts Credit

OPEN STUDIO

This course is designed for students who would like to extend their art or design study independently from any previous visual art course such as fashion design, ceramics, photography or painting. Each artist begins by gathering research to develop a sustained investigation: an inquiry based, in depth study of materials, processes and ideas over time. For the remainder of the course, one on one progress check-ins are scheduled weekly along with group critiques for feedback. Students showcase the work created about their investigation at the end of the trimester. This course is highly recommended for students who may be considering Advanced Studio Art & Design.

PREREQUISITE: Studio Thinking and two art electives of choice

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Visual Arts Credit

STUDIO THINKING

(Required for freshman)

This introductory foundational art course is designed to provide students with experience in a broad array of studio practices and critical-thinking exercises about artwork from diverse cultural backgrounds and historical periods. Students learn artistic processes involving creative thinking, media exploration, collaboration and the reflective process while creating a series of choice based projects.

PREREQUISITE: None

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Visual Arts Credit

PAINTING

Students will build upon foundational art skills as they focus on the art of painting, its application, and materials. They will be given an introduction to the transparent media of watercolor painting, opaque acrylic painting and other paint media. Emphasis will be on experiencing a variety of techniques and creating composition through observation as well as incorporation of the established elements of art. Experimentation and an open and creative approach to personal expression will be encouraged. This course can be taken for two trimesters for a deeper dive in the medium.

PREREQUISITE: Studio Thinking

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Visual Arts Credit

PHOTOGRAPHY

This course explores photography as a visual art medium in the 21st century. Students will examine digital photography as a means of personal expression, documentation and story-telling. Topics covered will include aperture and shutter settings, composition, depth of field, motion control, alternative camera angles, lighting, and genres of photography. Students will receive basic instruction, demonstration of techniques, and see samples of the desired outcomes. In addition to taking photos, students will also spend time editing and manipulating images in Adobe Photoshop. Students will be expected to maintain and post their photography work to a simple website we create in class.

PREREQUISITE: Studio Thinking

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Visual Arts Credit

DIGITAL ILLUSTRATION

This course focuses on a variety of illustration styles and techniques using Adobe Illustrator and Adobe Photoshop. Traditional drawing skills and color theory are applied through a digital format and integrated with the study of the established principles of design. Students develop means of visual problem solving, personal expression, and communication through design as we examine ways in which the graphic image is interpreted. Various media and forms of Illustration are explored as students strive to develop their own signature style over the course of the trimester.

PREREQUISITE: Studio Thinking

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Visual Arts Credit

ADVANCED STUDIO ART & DESIGN

This is a multimedia studio art and design course intended for students who would like to pursue an advanced art and/or design study. This year-long course is focused on an inquiry based art practice. A sketchbook is used for exploring ideas, materials and processes in each class. Students create an extensive body of work both in and outside of class while exploring themes, concepts and contemporary practices in art and design fields. The course concludes with artists and designers showcasing their work in a group exhibition during Arts Week in the spring. Students may submit their portfolio for AP Art & Design credit with instructor approval and additional outside work completed.

PREREQUISITE: Three art electives of choice and department approval.

COURSE DURATION: 1 Year

COURSE CREDIT: 1 Visual Arts Credit

ENGLISH: BOOK ARTS

This course will explore the history of the printed word. Spanning techniques from traditional to digital arts, students will produce their own books. With visits from literary editors and publishers, learning about what it takes for a book to go from draft to shelf in today's market. In the arts studio, we'll explore altered books, printmaking processes and Adobe InDesign. Students will collaborate and create a literary magazine which explores a chosen topic.

PREREQUISITE: Studio Thinking

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 Visual Arts Credit

YEARBOOK

Yearbook students in this course serve as staff for Wellington's annual yearbook publication. Students will develop a theme for the yearbook, design and promote the yearbook, and capture key moments during the school year through visual and written storytelling. Working on a school wide publication requires commitment, responsibility, and good time management skills. Students in this course learn about how typography, colors, and composition are the foundations for good design and will design the pages and cover of the yearbook using various digital platforms. This class will meet on Leap Days throughout the year. This class is ideal for students interested in journalism or marketing or who simply want to be a part of telling the story of their school experience.

PREREQUISITE: None

COURSE DURATION: 1 Trimester, LEAP Days

COURSE CREDIT: 1/3 Visual Arts Credit

GLASS ART

Students will explore the design process using traditional and digital media to develop a composition for their own stained glass windows. Weekly reflections are integrated in the course to allow students to seek out and find examples of glass art within their own communities and examine their growth with the medium. Students will research glass art as it relates to a variety of cultural contexts found throughout history and the world as they explore a theme of choice for their design. The culmination of this course is the design and creation of a unique stained glass window. Offered every other year (2023, 2025, 2027)

PREREQUISITE: junior & senior only class

COURSE DURATION: 1 Trimester

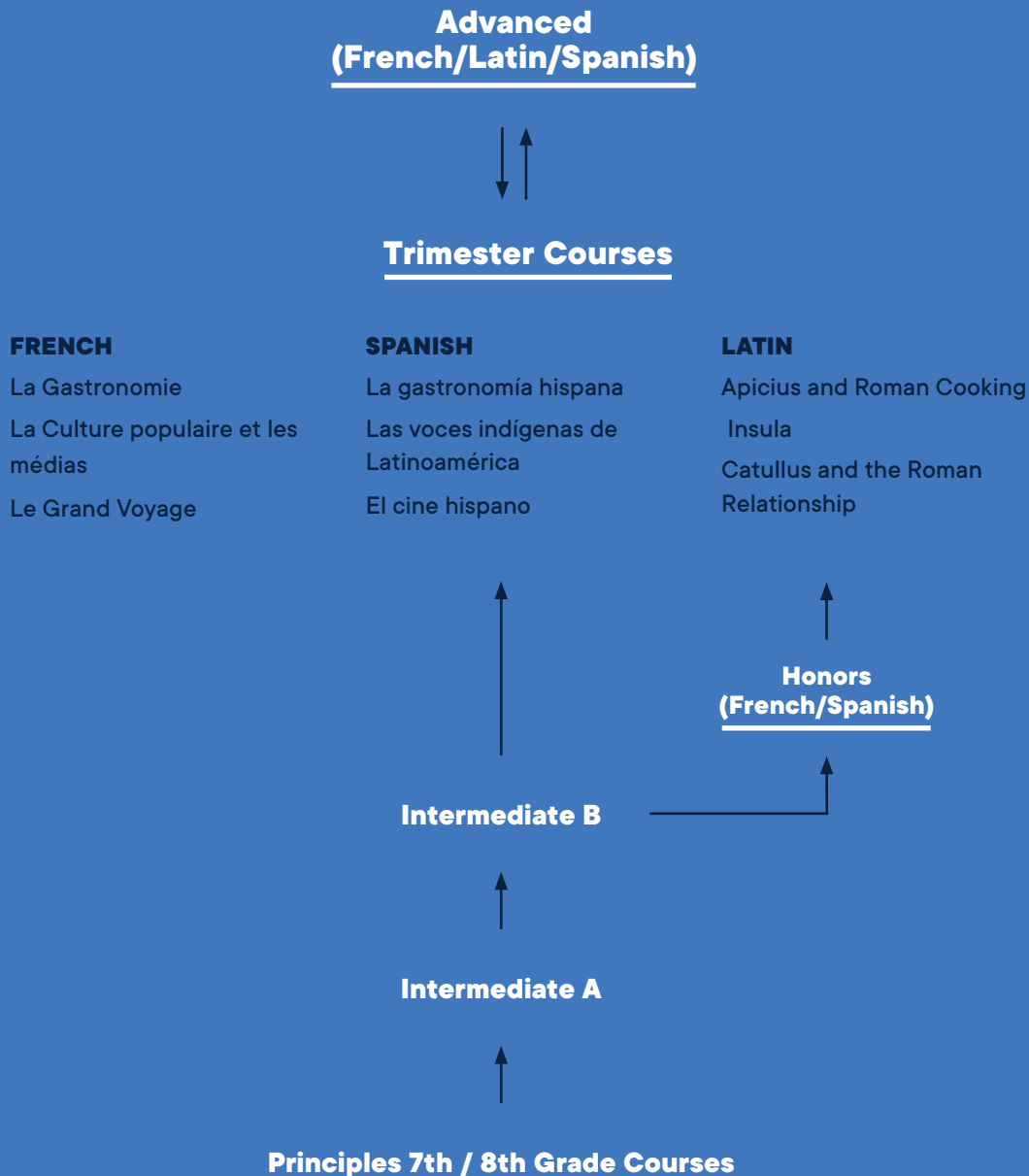
COURSE CREDIT: 1/3 Visual Arts Credit



World Languages

World Languages Curriculum Progression

3 years of same language required



EXPECTED WORLD LANGUAGES TRIMESTER GRID

1st Trimester (fall)	2nd Trimester (winter)	3rd Trimester (spring)
French: La Gastronomie	French: La Culture populaire et les médias	French: Le Grand Voyage
Spanish: La gastronomía hispana	Spanish: Las voces indígenas de Latinoamérica	Spanish: El cine hispano
Latin: Apicius and Roman Cooking	Latin: Insula	Latin: Catullus and the Roman Relationship

FRENCH – PRINCIPLES

The Principles course is organized around three modes of communication – interpersonal, interpretive, and presentational. Students are introduced to basic French grammar by participating in interpersonal conversations, interviews, skits, and role-playing activities. They practice the interpretive mode of communication by hearing native speakers in audio and video recordings, as well as by reading specially adapted texts. Students also prepare short presentations and writings. French and Francophone culture is discussed throughout the course.

PREREQUISITE: None

COURSE DURATION: 1 Year

COURSE CREDIT: 1 World Languages Credit

FRENCH – INTERMEDIATE A

As in the Principles course, the goal is to steer students toward proficiency in speaking, understanding, reading, and writing French. Students are given ample opportunity to hear native speakers on video, DVD, and websites. Interpersonal activities such as skits, interviews, conversations, and role-playing help students use the grammar they are acquiring in order to communicate in French. We begin to read and write more extensively. Stories are discussed, summarized, and often reenacted in class. French and Francophone culture is discussed throughout the course.

PREREQUISITE: French Principles or department approval

COURSE DURATION: 1 Year

COURSE CREDIT: 1 World Languages Credit

FRENCH – INTERMEDIATE B

French – Intermediate B continues the work begun in Principles and Intermediate A, expanding communicative activities, and covering the most advanced aspects of French grammar. Extensive listening comprehension activities help train the students to understand the main points of a spoken text. Through the introduction of literature, students learn to read for gist and to discuss relevant topics in class as well as in writing. Cultural awareness is an integral part of the curriculum.

PREREQUISITE: French Intermediate A or department approval

COURSE DURATION: 1 Year

COURSE CREDIT: 1 World Languages Credit

HONORS FRENCH IV / ADVANCED FRENCH V

Honors French IV / Advanced French V involves exposure to authentic texts, written (taken from newspapers and magazines) and spoken (taken from news broadcasts and videos). We discuss current events in Europe and French-speaking countries, along with a wide range of issues, as presented in the media and in literature. Students are encouraged to express their opinions and react to the opinions of others. Emphasis is placed on accurate self-expression, both spoken and written. Therefore, we thoroughly review grammar, as well as routinely practice speaking and writing. This course runs on a two-year cycle; the material is different each year so that students complete two years without repetition. Students in Advanced French V are eligible to take the AP examination in French Language.

PREREQUISITE: For Honors French IV: Intermediate B and department approval; For Advanced French V: Honors French IV and department approval

COURSE DURATION: 1 Year

COURSE CREDIT: 1 World Languages Credit

FRENCH: LA GASTRONOMIE: THE ART AND SCIENCE OF GOOD EATING

This course examines French cuisine as a part of French culture through history, literature, geographical specialties, and cooking. As food has many other threads connected to lifestyle, the course also examines issues such as food and health, as well as food and global challenges. Students use their language skills to research and discuss issues, present topics of interest, and write reflections and recipes.

PREREQUISITE: French Intermediate B or department approval

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 World Languages Credit

FRENCH: LA CULTURE POPULAIRE ET LES MÉDIAS

This course explores authentic popular culture and media from the French-speaking world, such as: music, magazines, celebrities, commercials, ads, news, television, and the internet. Students also have opportunities to develop and create their own media. While grammar is reviewed, the goal of this course is to speak and write French with increasing fluency, as well as to comprehend and discuss different representations of French media.

PREREQUISITE: French Intermediate B or department approval

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 World Languages Credit

FRENCH: LE GRAND VOYAGE

Students experience a virtual trimester of study in a Francophone country. They find lodgings, explore their city, and plan their life as a student studying abroad. During their stay, they present the culture of their chosen country and communicate their experience via social media. Students also create a guide for other students who are planning to study abroad. While grammar is reviewed, the goal of this course is to speak and write French with increasing fluency, as well as to understand and discuss different kinds of spoken and written texts.

PREREQUISITE: French Intermediate B or department approval

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 World Languages Credit

LATIN – PRINCIPLES

This course is an introduction to the fundamentals of classical Latin, emphasizing grammar, reading comprehension, vocabulary, and English derivatives.

Grammar topics include all verb tenses in both the active and passive voices, three declensions of nouns, the uses of six cases, adjective modification, and adverb formation. In addition, opportunities are offered to pursue individual interests in various aspects of culture and history.

PREREQUISITE: None

COURSE DURATION: 1 Year

COURSE CREDIT: 1 World Languages Credit

LATIN – INTERMEDIATE A

Latin – Intermediate A is a continuation of basic Latin, completing the study of grammar and syntax as well as general aspects of culture and history. Topics covered include comparison of adjectives and adverbs, indirect discourse, participles, uses of the subjunctive mood, and the ablative absolute. Increased emphasis is placed upon mastering the translation of Latin prose to English.

PREREQUISITE: Latin Principles

COURSE DURATION: 1 Year

COURSE CREDIT: 1 World Languages Credit

LATIN – INTERMEDIATE B

A thorough review of the forms and syntax of classical Latin begins this course, the primary focus of which consists of readings from a variety of authors including Livy, Caesar, and Ovid. The study of military organization, an overview of Roman historians, and an understanding of Caesar as a prose stylist supplement this aspect of the course, while readings from Ovid's "Metamorphoses" provide an introduction to Roman epic poetry.

PREREQUISITE: Latin Intermediate A

COURSE DURATION: 1 Year

COURSE CREDIT: 1 World Languages Credit

ADVANCED LATIN

Advanced Latin extends the study of Latin literature begun in Latin Intermediate B to focus on Vergil's "Aeneid" and Caesar's "Gallic War." In addition to reading comprehension, appreciation of the various themes and structures of the Roman epic poem is stressed. The study of figures of speech, literary techniques, and stylistic forms, as well as the history of the Late Republic and the Augustan Age, supplement the reading selections.

PREREQUISITE: Two Trimester Courses and department approval

COURSE DURATION: 1 Year

COURSE CREDIT: 1 World Languages Credit

LATIN: APICIUS AND ROMAN COOKING

In this course, students will be reading in Latin about Roman food, cooking, and banqueting through Apicius, Ovid, Horace, Petronius, etc. Students will experiment in writing their own modern adaptations of ancient recipes and will use spoken Latin skills to demonstrate their cooking skills. Students will select a research topic of their choice to further understand larger concepts of food in history such as trade, farming, supply chains, etc.

PREREQUISITE: Latin Intermediate B or department approval

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 World Languages Credit

LATIN: INSULA

During the course of the trimester, each student takes on the identity of one tenant of the building, planning a life by deciding their personality, preferences, tastes in clothes and décor, profession, activities and background. Interactions, in writing, between tenants are common, as are social occasions, disputes, common problems, and possibly even drama and disasters. The story flows as the tenants wish.

PREREQUISITE: Latin Intermediate B or department approval

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 World Languages Credit

LATIN: CATULLUS AND THE ROMAN RELATIONSHIP

Gaius Valerius Catullus wrote some of Rome's most recognizable love poetry. His relationship with an infamous woman of the Roman elite gives us a fascinating glimpse into the romantic Roman relationship. In this course, we examine his works, the Roman view on romance, and Catullus' place in Roman literary history.

PREREQUISITE: Latin Intermediate B or department approval

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 World Languages Credit

SPANISH – PRINCIPLES

Spanish – Principles enables the student to acquire the four language skills of listening, speaking, reading, and writing. Sound patterns, dialogues, vocabulary, and basic grammar structures are presented. Students learn about the daily life, holidays, and customs of people in Spanish-speaking countries and compare them to their own. The class is conducted largely in Spanish.

PREREQUISITE: None

COURSE DURATION: 1 Year

COURSE CREDIT: 1 World Languages Credit

SPANISH – INTERMEDIATE A

Spanish – Intermediate A reinforces basic skills, expands vocabulary, and further develops grammar concepts. Reading and writing skills are developed and students increase oral communication skills. This class is taught largely in Spanish, with English explanations to clarify grammar points.

PREREQUISITE: Spanish Principles

COURSE DURATION: 1 Year

COURSE CREDIT: 1 World Languages Credit

SPANISH – INTERMEDIATE B

In Spanish – Intermediate B, students continue to develop the skills learned in earlier levels, expanding their ability to comprehend and communicate in Spanish, and learning to integrate advanced grammar structures. Students deepen cultural understanding through exploration of literature, global issues, modern culture, and current events.

PREREQUISITE: Spanish Intermediate A

COURSE DURATION: 1 Year

COURSE CREDIT: 1 World Languages Credit

HONORS SPANISH IV

In Honors Spanish IV, students continue to build communicative and interpretive language skills while exploring global issues, current events, art, and literature. Students strengthen their listening and reading comprehension as they work with a variety of authentic texts and audio selections. They also further develop speaking and writing skills through frequent interpersonal conversations, debates, and presentations. This course is a precursor to Advanced Spanish V.

PREREQUISITE: Spanish Intermediate B and department approval

COURSE DURATION: 1 Year

COURSE CREDIT: 1 World Languages Credit

ADVANCED SPANISH V

Advanced Spanish V emphasizes the use of Spanish for active communication and is taught in the style of a college seminar. Students further their proficiency by practicing their speaking ability, listening comprehension, reading comprehension, and writing skills. They review grammar concepts and apply them to study of contemporary global issues. Students in Advanced Spanish V are eligible to take the AP exam.

PREREQUISITE: Spanish IV Honors and department approval

COURSE DURATION: 1 Year

COURSE CREDIT: 1 World Languages Credit

SPANISH: LA GASTRONOMÍA HISPANA

This course explores cuisine as a part of culture and lifestyle in Spain and Latin America. Students investigate culture, history, literature, regional specialties, and cooking. As food has many other threads connected to lifestyle, the course also examines issues such as food and health, as well as food and global challenges. Students use their language skills to research and discuss issues, present topics of interest, and write reflections and recipes.

PREREQUISITE: Spanish Intermediate B or department approval

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 World Languages Credit

SPANISH: LAS VOCES INDÍGENAS DE LATINOAMÉRICA (Indigenous Voices of Latin America)

This course is a survey of the stories, contributions, and challenges of indigenous groups in Latin America from the pre-Columbian era through today. Students will explore mythology, history, culture and current events of indigenous groups in Latin America. Students can expect to read legends from indigenous cultures, explore stories conveyed through texts, films, interviews, and guest speakers, and delve into human rights issues. This course is mainly conducted in Spanish.

PREREQUISITE: Spanish Intermediate B or department approval

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 World Languages Credit

SPANISH: EL CINE HISPANO

In this course, students explore the history, art, and influence of Hispanic films and filmmakers. Students will study several films, focusing on cultural themes and global issues. The films set the context for discussions, debates, presentations, and written reflection.

PREREQUISITE: Spanish Intermediate B or department approval

COURSE DURATION: 1 Trimester

COURSE CREDIT: 1/3 World Languages Credit

Summer Program

Academic for-credit programs and workshops are offered in the 2021 Wellington Summer Program for a fee. Students earn 1/3 credit (the equivalent of one trimester) for each completed academic for-credit program. No credit is awarded for workshops. Programs are subject to cancellation based on enrollment. Register online at www.wellington.org/summer.

Academic For-Credit Programs

GOVERNMENT

(grades 10–12)

This three-week course focuses on the United States government and includes an examination of the Constitution, governmental philosophies, federalism, the interplay of the three branches of government, and the civic roles of Americans. The course covers the historical and philosophical foundations of the Constitution, changes to that Constitution that furthered the ideals of the Declaration of Independence, the power and role of the President, and the legislative process. Students study these topics through articles and resources representing a broad range of ideologies and disciplines. In this course, students converse as educated citizens about the structure and principles of our republic and have the tools to involve themselves in the process of governing. US History is a prerequisite for this course. Daily attendance is mandatory. Students who complete this course will earn 1/3 History credit (the equivalent of one trimester).

Instructor: Victoria Pang, Wellington Middle School and Upper School social studies teacher

DATES: July 11–15, July 18–22, July 25–29, 9 a.m.–12 p.m.

FEE: \$550

PHOTOGRAPHY

(grades 10–12)

This course explores photography as a visual art medium in the 21st century. Students examine digital photographs as a means of personal expression, documentation, and story-telling. Topics covered include aperture and shutter settings, composition, depth of field, motion control, alternative camera angles, lighting, and genres of photography. Students receive basic instruction, watch demonstrations of techniques, and see samples of the desired outcomes. In addition to taking photos, students also spend time editing and manipulating images in Adobe Photoshop. Students are expected to maintain and post their photography work to a simple website we create in class. Daily attendance is mandatory. Students who complete this course will earn 1/3 Visual Arts credit (the equivalent of one trimester).

Instructor: Shannon Smith, Wellington Upper School visual arts teacher

DATES: Multi-week: July 11–15, July 18–22, July 25–29, August 1–5, 9 a.m. – 12 p.m.

FEE: \$550

PHYSICAL EDUCATION CREDIT

(grades 9–12)

Students participate in a wide variety of rigorous team and lifetime sports as well as physical fitness during this three-week program. Hard work, fair competition, cooperation, sportsmanship, fitness, and enjoyment of physical activity are emphasized. Daily attendance is mandatory. Students who complete this course will earn 1/3 Physical Education credit (the equivalent of one trimester).

Instructor: Paul Demchak, Reynoldsburg physical education teacher

DATES: Multi-week: June 13–17, June 21–24, June 27–July 1, 9 a.m. – 12 p.m.

FEE: \$450

Workshops

ACT TEST PREP BOOT CAMP

(grades 9–12)

This boot camp prepares students for the administration of the ACT. Following the testing format they should expect on test day, students take a full-length diagnostic test on the first day using actual ACT test questions. Students receive an individualized score analysis, differentiated instruction based on the results of their practice test, and valuable tips and strategies to help them navigate the most challenging problems from every section. Each day focuses on a different section of the test, with general test-taking tips interspersed throughout the week. Students assemble a helpful “cheat sheet” based on their own proficiency levels and refer to this list of helpful hints often through a series of drills and coaching sessions of varying lengths. As a springboard to the Saturday morning test, students receive 16 hours of intensive instruction supplemented by drills tailored to their specific areas of need. Students of every level of proficiency are encouraged to attend. One of the campers from 2019 used what they learned from the camp to improve their score by six overall points! No academic credit is awarded for taking this program.

Instructor: John Brown, Wellington Upper School teacher

DATES: June 6–10 AND July 11–15, 9 a.m. – 12 p.m.

FEE: \$300

ART PORTFOLIO DEVELOPMENT WORKSHOP

(grades 9–12)

In this weeklong workshop, students get a jump-start on their art portfolio and gain a firm understanding of what to expect as they begin to move through the college application process. We explore the required components of an art and supplemental portfolio, learn how to properly document artwork for applications, and create a website to organize students’ digital portfolios. Each student should bring 5–7 pieces of their best work and any previous sketchbooks. Students’ previous work serves as the starting point for examining themes found in their work, reflecting on media they have previously explored, and thinking about media they may want to explore for their portfolio. The instructor provides one-on-one feedback. By the end of the week, each student will leave with a set of goals to complete over the summer, future portfolio piece ideas, a list of art programs broken down by specialties to help plan college visits, and a comprehensive list of opportunities including art scholarships, art competitions, and special events such as National Portfolio Day. No academic credit is awarded for this program.

Instructor: Jaime Bennati, Wellington Upper School visual arts teacher

DATES: June 13–17, 9 a.m. – 12 p.m.

FEE: \$330

FICTION WRITING

Grades 10, 11, and 12

In this course, students will be introduced to some masterful modern short story writers with an aim to imitate and implement the techniques of the craft in their own fiction writing. Our reading, analysis, and writing exercises will focus on story structure, point of view, and use of dialogue. Students will not only read and analyze great works but will also compose fiction to share and workshop with peers. By the end of the course, students will have a “finished” short story of their own. No academic credit is awarded for taking this program.

Instructor: Jordan McMullin – Wellington Student Support staff

DATES: Multi-week: June 13 – 17 AND June 21 – 24, 1 – 4 p.m.

FEE: \$300

INTRODUCTION TO URBAN PLANNING

Grades 6, 7, 8, 9, 10, 11, and 12

Join us for a fun and interactive overview of the field of Urban Planning! Learn about why and how cities develop. A broad range of topics will be covered such as zoning, real estate, comprehensive planning, infrastructure, building permits, GIS, and more, all taught by an associated faculty member in the City & Regional Planning Department at The Ohio State University.

Instructor: Chad Gibson, AICP – Community Development Director for the City of Arlington

DATES: July 5 – 8, 9 a.m. – 12 p.m.

FEE: \$160

CROCHET FOR BEGINNERS

Grades 6, 7, 8, 9, 10, 11, and 12

This week-long course will introduce you to the basics of crocheting. You will become familiar with the materials and tools of crochet, as well as the basic stitches and skills that comprise the foundation of all crochet projects. You will also learn how to read a pattern and, by the end of the week, you will have at least one finished product to call your own.

Instructor: Jordan McMullin – Wellington Student Support staff

DATES: July 11 – 15, 9 a.m. – 12 p.m.

FEE: \$160

YOU & YOUR ZEN

Grades 9 and 10

Do you want to learn how to increase your overall happiness and well-being? Each day, we will practice mindfulness, reflect through writing, and move with some basic yoga and stretching. In addition, we will learn practical techniques to not only boost your happiness and reduce your stress, but also to help you become more resilient as well!

Instructors: Bridgett Allsbrooks (Wellington Yoga Instructor) and Erin Noviski (Wellington teacher and leadership advisor)

DATES: June 21 – 24, 9 a.m. – 12 p.m.

FEE: \$128

Wellington

Wellington is an independent, coeducational, preschool through grade 12, college-preparatory day school dedicated to preparing citizens who achieve, lead, and find fulfillment in a global community.

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Updated February 2022