



KENTS HILL SCHOOL

2022-2023 CURRICULUM GUIDE

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ACADEMIC GUIDELINES

Academic Philosophy

In a rigorous yet supportive academic community where self-discovery and ethical scholarship are highly prized, we prepare each student to appreciate and value the joys and responsibilities of life-long learning; the creative wonder of the arts; the beauty and fragility of our shared environment; and the importance of diversity of thought and experience.

Credits

Kents Hill School awards 1 credit for each successfully completed yearlong course and 1/2 credit for each semester course. Successful completion of each yearlong course entails earning two semester grades that, when averaged together, result in a passing grade for the year. Students may receive 1/2 credit by earning a passing grade for one semester but failing the course for the year.

Kents Hill School also awards 1/2 credit to students who enroll for part of a school year. Students joining Kents Hill prior to the end of the first quarter will be treated as full-year students and may earn credit accordingly; students who enroll after the first quarter concludes will be treated as midyear students and receive 1/2 credit for each successfully completed course. With the noteworthy exception of students participating in the academic exchange program, students who leave Kents Hill School before the end of the year will be awarded 1/2 credit for each successfully completed Semester 1 course.

Graduation Requirements for the Class of 2023

Students planning to graduate in 2023 must fulfill the requirements below to receive a Kents Hill diploma. In exceptional circumstances, waivers may be granted for some requirements; all waivers must be approved by the Dean of Academics and the Director of College Counseling. Please note that students must be enrolled until graduation and may not graduate early.

4-Year Students

Arts	2 credits (1/2 credit must be in Visual Arts and 1/2 credit in Performing Arts)
English	4 credits (each student must be enrolled in an English course at all times)
Environmental Studies	1/2 credit
Mathematics	3 credits (including Algebra 1, Geometry, and Algebra 2 or beyond)
Science	3 credits (2 of which must be in Biology and either Chemistry or Physics)
Social Studies	3 credits (including 1 credit of United States History)
World Languages	2 credits and completion of Level 200 in one language

Total Kents Hill credits required to graduate: 20 (including additional coursework in any of the subjects listed above).

3-Year Students

Arts	2 credits (1/2 credit must be in Visual Arts and 1/2 credit in Performing Arts)
English	3 credits (each student must be enrolled in an English course at all times and accrue 4 credits of English total in order to graduate from high school)
Environmental Studies	1/2 credit
Mathematics	2 credits (including Algebra 1, Geometry, and Algebra 2 or beyond)
Science	2 credits (including 1 credit of Chemistry or Physics and 1 credit of a Life Science if not previously taken)
Social Studies	2 credits (including 1 credit of United States History)
World Languages	1 credit and completion of Level 200 in one language

Total Kents Hill credits required to graduate: 15 (including additional coursework in any of the subjects listed above).

2-Year Students

Arts	1/2 credit (which may be fulfilled by either Visual Arts or Performing Arts)
English	2 credits (each student must be enrolled in an English course at all times and accrue 4 credits of English total in order to graduate from high school)
Environmental Studies	1/2 credit
Mathematics	1 credit (including Algebra 2 or beyond)
Science	1 credit (including 1 credit of a Life Science if not previously taken)
Social Studies	1 credits (including 1 credit of United States History if not previously taken)

World Languages 1 credit and completion of Level 200 in one language (if not previously taken)

Total Kents Hill credits required to graduate: 10 (including additional coursework in any of the subjects listed above).

1-Year Students

Arts 1/2 credit (which may be fulfilled by either Visual Arts or Performing Arts)
English 1 credit (each student must be enrolled in an English course at all times and accrue 4 credits of English total in order to graduate from high school)
Mathematics 1 credit of Algebra 2 if not previously taken
Science 1 credit of a Life Science if not previously taken
Social Studies 1 credit of United States History if not previously taken
World Languages 1 credit and completion of Level 200 in one language if not previously taken

Total Kents Hill credits required to graduate: 5 (including additional coursework in any of the subjects listed above).

Graduation Requirements for the Class of 2024

Students planning to graduate in 2024 must fulfill the requirements below to receive a Kents Hill diploma. In exceptional circumstances, waivers may be granted for some requirements; all waivers must be approved by the Dean of Academics and the Director of College Counseling. Please note that students must be enrolled until graduation and may not graduate early.

4-Year Students

Arts 3 credits (1 credit must be in Visual Arts and 1 credit in Performing Arts)
English 4 credits (each student must be enrolled in an English course at all times)
Mathematics 3 credits (including Algebra 1, Geometry, and Algebra 2 or beyond)
Science 4 credits (including 1 credit of Biology, 1 credit of Chemistry or Physics, and 1 credit of Enviro Studies)
Social Studies 4 credits (including 1 credit of United States History)
World Languages 2 credits and completion of Level 200 in one language

Total Kents Hill credits required to graduate: 20

3-Year Students

Arts 2 credits (1 credit must be in Visual Arts and 1 credit in Performing Arts)
English 3 credits (each student must be enrolled in an English course at all times and accrue 4 credits of English total in order to graduate from high school)
Mathematics 2 credits (including Geometry and Algebra 2 or beyond)
Science 3 credits (including 1 credit of Chemistry or Physics and 1 credit of Enviro Studies)
Social Studies 3 credits (including 1 credit of United States History)
World Languages 2 credits and completion of Level 200 in one language

Total Kents Hill credits required to graduate: 15

2-Year Students

Arts 1 credit (which may be fulfilled by either Visual Arts or Performing Arts)
English 2 credits (each student must be enrolled in an English course at all times and accrue 4 credits of English total in order to graduate from high school)
Mathematics 1 credit (including Algebra 2 or beyond)
Science 2 credits (including 1 credit of Chemistry or Physics if not previously taken and 1 credit of Enviro Studies)
Social Studies 2 credits (including 1 credit of United States History if not previously taken)
World Languages 1 credit and completion of Level 200 in one language if not previously taken

Total Kents Hill credits required to graduate: 10

1-Year Students

Arts 1 credit (which may be fulfilled by either Visual Arts or Performing Arts)
English 1 credit (each student must be enrolled in an English course at all times and accrue 4 credits of English total in order to graduate from high school)
Mathematics 1 credit of Algebra 2 if not previously taken
Science 1 credit (which must be Enviro Studies if not previously taken)

Social Studies	1 credit (which must be United States History if not previously taken)
World Languages	1 credit and completion of Level 200 in one language if not previously taken

Total Kents Hill credits required to graduate: 5

Graduation Requirements for the Class of 2025 and Beyond

Students planning to graduate in 2025 or thereafter must fulfill the requirements below to receive a Kents Hill diploma. In exceptional circumstances, waivers may be granted for some requirements; all waivers must be approved by the Dean of Academics and the Director of College Counseling. Please note that students must be enrolled until graduation and may not graduate early.

4-YEAR STUDENTS

Humanities

English	4 credits (each student must be enrolled in an English course at all times)
Social Studies	4 credits (including 1 credit of United States History)
World Languages	2 credits and completion of Level 200 in one language

STEAM

Science	3 credits (including 1 credit of Biology, 1 credit of Chemistry or Physics, and 1 credit of Enviro Studies)
Tech and Engineering	2 credits
The Arts	2 credits (1/2 credit must be in Visual Arts and 1/2 credit in Performing Arts)
Mathematics	3 credits (including Algebra 1, Geometry, and Algebra 2 or beyond)

Total Kents Hill credits required to graduate: 20

3-YEAR STUDENTS

Humanities

English	3 credits (each student must be enrolled in an English course at all times and accrue 4 credits of English total in order to graduate from high school)
Social Studies	3 credits (including 1 credit of United States History)
World Languages	2 credits and completion of Level 200 in one language

STEAM

Science	2 credits (including 1 credit of Chemistry or Physics and 1 credit of a Life Science if not previously taken)
Tech and Engineering	2 credits
The Arts	2 credits (1/2 credit must be in Visual Arts and 1/2 credit in Performing Arts)
Mathematics	2 credits (including Geometry and Algebra 2 or beyond)

Total Kents Hill credits required to graduate: 15

2-YEAR STUDENTS

Humanities

English	2 credits (each student must be enrolled in an English course at all times and accrue 4 credits of English total in order to graduate from high school)
Social Studies	2 credits (including 1 credit of United States History if not previously taken)
World Languages	1 credit and completion of Level 200 in one language if not previously taken

STEAM

Science	1 credit (including 1 credit of a Life Science if not previously taken)
Tech and Engineering	1 credit
The Arts	1/2 credit (which may be fulfilled by either Visual Arts or Performing Arts)
Mathematics	1 credit (including Algebra 2 or beyond)

Total Kents Hill credits required to graduate: 10

1-YEAR STUDENTS

Humanities

English	1 credit (each student must be enrolled in an English course at all times and accrue 4 credits of English total in order to graduate from high school)
Social Studies	1 credit (which must be United States History if not previously taken)
World Languages	1 credit and completion of Level 200 in one language if not previously taken

STEAM

Science	1 credit of a Life Science if not previously taken
Tech and Engineering	1 credit (suggested but not required)
The Arts	1/2 credit (which may be fulfilled by either Visual Arts or Performing Arts)
Mathematics	1 credit of Algebra 2 if not previously taken

Total Kents Hill credits required to graduate: 5

Course Load

Students in grades 9-12 must be enrolled in 6 classes at all times. Exceptions to this policy are rare and must be approved by the Dean of Academics and, for students in Grades 11 and 12, the Director of College Counseling.

Students with sufficient credits, both aggregate and departmental, are promoted to the next grade level according to these guidelines:

10th grade:	5 credits, including 1 of English and 1 of mathematics
11th grade:	10 credits, including 2 of English, 2 of mathematics, 1 of social studies, and 1 of science
12th grade:	15 credits, including 3 of English, 2 of mathematics, 2 of social studies, 2 of science, and 1 in a world language
Postgraduate:	High School diploma

Course Selections

Students are encouraged to carry challenging but manageable course loads. Schedules are finalized toward the end of July based on grades, teacher recommendations, enrollment numbers, scheduling conflicts, and departmental permissions. Every effort is made to provide the best schedule for each student, and the Dean of Academics, the College Counseling Office, and faculty advisors work closely to ensure that students have strong academic records to present to colleges.

Course Changes

Course changes may be made during the first two weeks of the fall semester and the first week of the spring semester. Students must obtain permission from the Dean of Academics and, in the case of juniors, seniors, and postgraduates, their college counselors.

Advanced Placement

Advanced Placement courses are rigorous classes that follow College Board syllabi and culminate in external exams each May. All Advanced Placement students are required to take AP exams and pay the requisite fees. Students who wish to enroll in AP courses must have strong academic backgrounds and obtain instructor permission. **Please note that Kents Hill does not allow Grades 9-12 students to take more than a total of three AP/dual-enrollment classes per school year, as these courses demand considerable time and effort outside of the academic day. Students seeking waivers for this rule must submit special forms and secure the signatures of their parents, advisors, and the Dean of Academics.** See course descriptions for offerings and prerequisites.

Dual-Enrollment Programs

Kents Hill School partners with the University of Maine at Augusta and Thomas College to provide advanced students with opportunities to complete college coursework. Qualified Kents Hill instructors work with college professors to design and teach dual-enrollment courses in STEAM and the Humanities using approved college-level syllabi. Students who complete these courses earn high school credit, as well as college credit from the participating institution. **Please note that Kents Hill does not allow Grades 9-12 students to take more than a total of three AP/dual-enrollment classes per school year, as these courses demand considerable time and effort outside of the academic day. Students seeking waivers for this rule must submit**

special forms and secure the signatures of their parents, advisors, and the Dean of Academics. See the course descriptions below for offerings and prerequisites. Additional course fees apply.

Independent Studies

Any student in Grade 11 or above who wishes to undertake a pass/fail independent study must work with a teacher to create a proposal using Kents Hill's [proposal template](#). (Students undertaking especially intensive Independent Studies may petition the Dean of Academics to earn letter grades for their experiences. Interested students should speak to the Dean of Academics directly.) The proposal must have the support of a faculty sponsor and department chair. Students should submit proposals for full-year or Semester 1 independent studies by Monday, May 23, 2022. Proposals for Semester 2 experiences are due Friday, December 15, 2022.

Academic Grades

Letter Grade	Numerical	Grade Point Equivalent
A+	100 - 97	4.3
A	96 - 93	4.0
A-	92 - 90	3.7
B+	89 - 87	3.3
B	86 - 83	3.0
B-	82 - 80	2.7
C+	79 - 77	2.3
C	76 - 73	2.0
C-	72 - 70	1.7
D+	69 - 67	1.3
D	66 - 63	1.0
D-	62 - 60	0.7
F	59 - 0 (Fails to meet minimum course requirements)	
W/P	Withdrawn with a passing grade	
W/F	Withdrawn with a failing grade	
INC	Incomplete	
MW	Medical withdrawal	
P	Pass (Meets course requirements)	

Semester grades appear on the school transcript; cumulative GPA is recalculated at the end of each semester.

Effort Grades

Effort grades assess areas such as class attendance, class preparation, homework, participation, initiative and motivation, and the degree of care exhibited in the work. The following effort grades are awarded:

1. **Excellent:** Identifies excellent effort, represented by active class participation, thorough study and preparation, and an eager attempt to master the material of the course.
2. **Satisfactory:** Indicates good class participation and adequate fulfillment of course assignments carefully prepared and submitted on time.
3. **Needs Improvement:** Represents little effort, reflected in occasional unexcused absences or lateness, lack of preparation for class or inattentiveness in class, some failure to submit work, poorly prepared work, and/or failure to seek help.
4. **Unacceptable:** Reflects a consistent failure to complete assignments, a lack of class participation, failure to seek extra help, consistent inability to participate in class when called upon, and lack of initiative in making up missed work.

Effort grades do not appear on the school transcript.

Honors Recognition

At the end of each semester, Kents Hill School recognizes those students who have attained academic excellence and/or excellent effort in their studies at Convocation. The Honor Roll is defined as:

Honors with Distinction	An academic average of at least 4.0	No grade below A-
Honors	An academic average of at least 3.5	No grade below B-

STUDENT SUPPORT PROGRAMS

Learning Skills Program

Kents Hill School's Learning Skills Program provides academic and organizational support to students who would benefit from extra scaffolding around issues such as time and materials management, study skills, and confidence-building in the academic realm. The Learning Skills Program pairs students with Learning Specialists who are fully committed to ensuring that students thrive in all aspects of school life and are prepared to tackle college and beyond with self-confidence, self-determination, and self-advocacy.

To best fit the needs of individual students and their families, the Learning Skills Program offers three levels of support. Level 1 Support provides private, one on one sessions; three formal meetings with a Learning Specialist each week; and an individualized learning plan focused on strengths, opportunities, and feedback. Level 2 Support provides small-group sessions based on common learning profiles; three meetings with a Learning Specialist per week; and an individualized learning plan. Level 3 Support provides a one-on-one check-in once a week with a Learning Specialist. Additional fees apply for all levels of the Learning Skills Program. Please consult the Admissions Office for specifics.

English Language Support

English Language Support is available to students who do not speak English as their first language. Working with a Learning Specialist in a small group setting, students strengthen their language abilities through course content while also developing their executive function and advocacy skills. Additional fees apply. Please contact the Admissions Office for specifics.

SPECIAL PROGRAMS

Global Programming

Kents Hill School offers several global learning opportunities throughout the academic year. Options include academic exchanges with international schools, cultural explorations, linguistic excursions, and domestic travel opportunities. International travel destinations have included France, Spain, South Africa, Australia, and various European countries. All students are encouraged to participate in these trips at any stage of their learning. Academic exchanges are offered to sophomores and juniors only; participants are chosen based on an application process and are vetted by the Dean of Academics. Please note that Global Programming for 2022-2023 is subject to change based on COVID-19 travel restrictions.

College Counseling Program

The College Counseling Office works as a team to support each student and family through the college search, application, and enrollment process. College Counseling begins formal programming with students in the junior year. Through group workshops and individual appointments, college counselors introduce students to a variety of topics, including course selection, how to research colleges, college affordability and financial aid, scholarship opportunities, athletic recruitment and the NCAA eligibility process, and preparation for art and music portfolios and auditions.

Over the course of their relationship, counselors listen as students voice their priorities, interests, and concerns and, using online and print resources as well as their own personal experience and knowledge, help students identify the best possible college fit.

Postgraduate Studies Program

Kents Hill's Postgraduate Program invites high school graduates to spend a year living and learning in an inclusive, supportive, and vibrant community. Each postgraduate student partners with a faculty mentor to outline key goals and future plans; to find ways to broaden their perspectives and develop cultural competency; and to select the right combination of academic classes to develop the knowledge and skills needed to succeed in college, the workplace, and beyond.

Course Fees

Some courses require additional fees. See individual course descriptions for specifics.

NEW COURSES

Kents Hill is offering these courses for the first time in 2022-2023. Please see the course descriptions below for more information.

ENG 421: Rebels in Society and Literature (page 11)

ENG 431: Athletics in Contemporary Society (page 12)

ENG 441: Literature and Ethics (page 12)

ENG 451: An Introduction to Short Fiction (page 12)

ENG 461: College Preparatory Writing (page 12)

ENG 471: Topics in Contemporary Literature (page 13)

ENG 481: An Introduction to Science Fiction (page 13)

ENG 491: Friendship and Identity in Literature (page 13)

ENG 510: AP English Language and Composition (page 13)

SOC 501: AP Human Geography (page 16)

TE 221: Computer Science Principles (page 22)

TE 311: An Introduction to Computer Aided Design (page 23)

TE 321: An Introduction to Web Design (page 23)

TE 411: Physics and Engineering Fundamentals (page 23)

TE 421: Advanced Engineering and Robotics (page 23)

VPA 224: Instrumentation and Performance (page 26)

VPA 234: Theater and Stagecraft (page 26)

SEMESTER COURSES

Kents Hill will offer several semester-length courses in 2022-2023. Please use the table below to guide your course planning.

Semester 1 Courses: Fall 2022	Semester 2 Courses: Spring 2023
ENG 421: Rebels in Society and Literature	ENG 421: Rebels in Society and Literature
ENG 431: Athletics in Contemporary Society	ENG 431: Athletics in Contemporary Society
ENG 441: Literature and Ethics	ENG 471: Topics in Contemporary Literature
ENG 451: An Introduction to Short Fiction	ENG 481: An Introduction to Science Fiction
ENG 461: College Preparatory Writing	ENG 491: Friendship and Identity in Literature
VPA 202: Electric Composition	VPA 202: Electric Composition
VPA 224: Instrumentation and Performance	VPA 224: Instrumentation and Performance
VPA 234: Theater and Stagecraft	VPA 234: Theater and Stagecraft
VPA 241: Photography	VPA 271: Sculptural Materials and Processes
VPA 244: Music Theory	VPA 244: Music Theory
VPA 291: Green Woodworking	VPA 281: Jewelry Making and Metalsmithing

COURSE DESCRIPTIONS: HUMANITIES

ENGLISH

Kents Hill's English program provides college-bound students with regular opportunities to develop proficiency in reading, speaking and listening, and writing. Our course sequence introduces students to literature from a range of authors, time periods, and literary forms, and all courses promote skill development through discussions, presentations, creative work, and traditional essay writing. In keeping with Kents Hill School's 4D curriculum, English classes also include extensive investigation of character-related issues and multiple opportunities for student reflection. Each student is enrolled in an English course at all times and is required to complete at least four credits of English in order to graduate. Kents Hill offers English courses at the 100-500 levels.

100-LEVEL COURSES

ENG 101/111/121: English Foundations

Full-year program (3 credits)

College Prep

This program offers a year of comprehensive English instruction to students who are still developing their proficiencies in reading, speaking and listening, and writing. Students enrolled in English Foundations acquire the knowledge and skills needed for further coursework by taking three interconnected classes: ENG 101: Scaffolding for Reading Comprehension, ENG 111: Complex Communication, and ENG 121: Writing Foundations. Like subsequent courses, Foundations explores one unifying topic each year, allowing students to engage with contemporary issues as they develop the competencies that will allow them to thrive at Kents Hill.

200-LEVEL COURSES

ENG 202: Multicultural Literature 1

Semester Course—Fall 2022 (1/2 credit)

College Prep

Multicultural Literature 1 is a semester-long entry-level English course designed to introduce students to several genres of literature. Students will be introduced to and normalize course-based terminology, grammar expectations, citation processes, and structural practices for the course. Specific classwork will include a focus on basic grammatical structures, cohesion in writing and quote evidence, close reading through genre-specific annotation, and "They Say/I say" discussion development. During this time, students will analyze short stories from writers such as Stephen King and Ray Bradbury and read novels that reflect a diverse range of voices, perspectives, and backgrounds. We will examine fiction and non-fiction and think about how this element changes our analyses.

During our work with longer texts, we will read Paulo Coelho's *The Alchemist* and complete a literary circle that will allow for student choice to conclude the term.

ENG 210: Multicultural Literature 2

Semester Course—Spring 2023 (1/2 credit)

College Prep

Multicultural Literature 2 is a semester-long continuation of Multicultural Literature 1. In this course, students will continue to practice course-specific expectations. We will focus more intently on grammar, writing cohesion, evidence, annotation, and discussion development, building upon the work that was introduced in Multicultural Literature 1. We will complete a poetry unit that includes writers such as Maya Angelou, Dylan Thomas, Tupac Shakur, and Sylvia Plath. Students will examine Shakespeare's *Romeo and Juliet* as well as Salman Rushdie's *Haroun and the Sea of Stories* and excerpts from Rushdie's memoir, *Joseph Anton*. We will use these texts to continue to hone reading and writing skills that are fundamental for future courses.

ENG 212: Honors Multicultural Literature 2

Semester Course—Spring 2023 (1/2 credit)

Honors

Honors Multicultural Literature 2 is a semester-long continuation of Multicultural Literature 1. The honors section will expand upon the work from Multicultural Literature 1 by pushing students to deepen their analyses through written and verbal communication. We will analyze poetry from writers such as Maya Angelou, Dylan Thomas, Tupac Shakur, and Sylvia Plath. Students will also be responsible for discovering and introducing peers to poets of their choosing. Students will read Shakespeare's *Romeo and Juliet*, Salman Rushdie's *Haroun and the Sea of Stories*, and excerpts from Rushdie's memoir, *Joseph Anton*. These texts will drive conversations around cultural norms, individual expression, and stylistic choice, in addition to supporting continued work in skills-based improvement.

300-LEVEL COURSES

ENG 302: American Literature

Full-year Course (1 credit)

College Prep

American Literature is a year-long course that introduces students to literature from various writers from America. The course considers each text's unique social and historical circumstances. Students will work with poetry, plays, short stories, and novels in a continuation of genre-specific analysis techniques as carried over from Multicultural Literature. Specific classwork will include sentence structures, introductory and multi-paragraph essay structure, foundational literary elements such as character, setting, theme, and point of view, and various discussion skills. American Literature builds upon the heavy skills focus of the 100- and 200-level English courses by continuing to emphasize the development of several skill areas, particularly reading, speaking and listening, and writing. Potential texts include Maya Angelou's *I Know Why the Caged Bird Sings*, Reginald Rose's *Twelve Angry Men*, Samira Ahmed's *Internment*, George Takei's *They Called Us Enemy*, an introduction to America's Beat Poets, and a series of short stories.

ENG 312: Honors American Literature

Full-year Course (1 credit)

Honors

Honors American Literature is a year-long course that introduces students to a variety of diverse American writers while also exploring the many social and historical contexts that influence each text. Pacing and course material are designed to complement and further develop each student's demonstration, mastery, and enhancement of skills honed in 200-level classes; Honors American Literature students are expected to work more independently on skill areas such as reading, speaking and listening, and writing. Specific classwork will include intentional and high-paced review and development of sentence structures, introductory and multi-paragraph essay structure, foundational literary elements such as character, setting, theme, and point of view, and various discussion skills, among others. Potential texts include Maya Angelou's *I Know Why the Caged Bird Sings*, Reginald Rose's *Twelve Angry Men*, Samira Ahmed's *Internment*, George Takei's *They Called Us Enemy*, an introduction to America's Beat Poets, and a series of short stories. Prerequisite: Honors Multicultural Literature, an equivalent course, or instructor permission.

400-LEVEL COURSES

ENG 421: Rebels in Society and Literature

Semester course—Fall 2022 and Spring 2023 (1/2 credit)

College Prep

Rebels in Society and Literature is a year-long course that introduces students to writers, artists, and thought leaders who rebel against limitations, injustices, and established norms. Through a diverse range of mediums such as current articles, short stories,

poems, novels, essays, music and film, we will consider what forces prompt rebellion as well as various modes of rebellion. The course focuses on developing critical skills of reading, writing, thinking, questioning, and engaging in dialogue; seeks to sharpen strong habits of learning and doing; and intersects with Kents Hill's focus on character. Through these competencies, students will hone their voices and agency so that they are empowered to think, act, and communicate for impact. Possible selections include *Animal Farm* by George Orwell, *One Flew Over the Cuckoo's Nest* by Ken Kesey, *Fight Club* by Chuck Palahniuk, *The Help* by Kathryn Stockett, *Into the Wild* by Jon Krakauer, the film *Dead Poets Society*, various short stories, poems, lyrics, and non-fiction essays. Prerequisite: American Literature or an equivalent course. **NEW COURSE!**

ENG 431: Athletics in Contemporary Society
Semester course—Fall 2022 and Spring 2023 (1/2 credit)
College Prep

This year-long course will allow students to examine many diverse past and contemporary issues and topics that have influenced sports and the athletes who play them. Issues and topics may include but are not limited to a variety of assignments that explore the definition of a "sport," the impacts and effects of socioeconomic status and the accessibility of sports, the societal impact professional athletes have on aspiring youth athletes, the impact of racism in the past and modern sports world, how sports fandom and tribalism have positively and negatively influenced sports culture, and how technology will continue to impact and evolve sports and its athletes, among others. With sports as a topical focus, students will concentrate on many critical reading and writing skills while exploring, discussing, and considering a plethora of relevant themes that transcend from sports and into the real world. Reading assignments will include articles, op-ed, novels, memoirs, short stories, and poems from writers such as but not limited to the following: Michael Wilbon, Buzz Bissinger, Norman MacLean, Toni Cade Bambara, Stuart Dybek, James Davis May, Jenn Alandy Trahan, and Rich Larson, among others. Prerequisite: American Literature or an equivalent course. **NEW COURSE!**

ENG 441: Literature and Ethics
Semester Course—Fall 2022 (1/2 credit)
College Prep

This semester-long course examines the intersections of literature and ethics (the branch of philosophy devoted to questions of justice, right conduct, and the good life). Each year's version of the course is organized around a particular ethical issue or dilemma that authors from a variety of backgrounds and historical periods have investigated in their work. The Fall 2022 version will explore literary representations of *trust*. Beginning from the premise that trust is essential to human relationships, both intimate and communal, we will discuss short stories, films, and at least one novel that highlight trust's indispensability and describe situations in which the absence or evaporation of trust leads to isolation, interpersonal conflict, or social breakdown. We will end the course by considering the ways in which twenty-first-century America's "trust deficit" has encouraged the proliferation of conspiracy theories, self-segregation, and political tribalism. Students will complete reading assignments, write a 4-6 page essay on a topic of choice, and take a final exam. Prerequisite: American Literature or an equivalent course. **NEW COURSE!**

ENG 451: An Introduction to Short Fiction
Semester Course— Fall 2022 (1/2 credit)
College Prep

This semester-long course provides a broad overview of the short story form, introducing students to a dozen tales that exemplify short fiction's conventions and characteristics. Each year's version of the course explores an overarching topic that includes stories from a range of authors, allowing students to learn about enduring literary elements while reading broadly across cultures and time periods. The Fall 2022 version will survey noteworthy examples of Gothic Literature, examining stories about ghosts and the supernatural, sensational murders and other crimes, debilitating madness, and eerie romances. Students should expect weekly reading assignments and film screenings, at least one academic essay, a final exam, and a mid-semester group project that entails adapting and retelling a gothic tale around a bonfire on Monday, October 31, 2022. Prerequisite: American Literature or an equivalent course. **NEW COURSE!**

ENG 461: College Preparatory Writing
Semester Course—Fall 2022 (1/2 credit)
College Prep

This semester-long course provides students with a range of tools necessary to be confident, competent writers in college and beyond. With the core belief that writing itself is a public conversation between the writer, their audience, and those who shape our thinking, we will use writing to practice active listening, perspective-taking, and critical communication skills. Through interactive real-world learning, students will develop their academic writing. We will focus on sharpening students' rhetorical moves, research tools, mechanics, and composition process. Each year a different theme will be at the center of our conversations. The topic for Fall 2022 is attention. In today's Age of Information, attention is considered a valuable resource with many different mediums competing for it. We will investigate what holds our attention, what distracts us, and how what captures our attention impacts us

individually, societally, and civically. Students will draw from personal experiences, interviews, popular media, podcasts, essays, and research to complete multimodal writing pieces. Prerequisite: American Literature or an equivalent course. **NEW COURSE!**

ENG 471: Topics in Contemporary Literature
Semester Course—Spring 2023 (1/2 credit)
College Prep

Topics in Contemporary Literature is a semester-length course that introduces students to twenty-first-century literature from around the world. Each year's version is organized around a topic of contemporary relevance—something that today's working authors are exploring or interrogating in their stories, novels, poems, and plays. The Spring 2023 version is titled "Modern Love" (an intentional reference to the popular New York Times series that has been adapted as a podcast, a book, and a web series). We will read and discuss a variety of texts that pose questions about romance, desire, and companionship, and devote particular attention to the kinds of relationships that were discouraged in the past (both by social convention and, in some cases, by legislation) but have reemerged as broadly accepted twenty-first-century possibilities. (Examples include LGBTQ, interracial, and polyamorous relationships, among many others.) Students should anticipate frequent reading assignments, graded seminar discussions, and short answer quizzes, as well as at least one traditional essay and a final exam. Prerequisite: American Literature or an equivalent course. **NEW COURSE!**

ENG 481: An Introduction to Science Fiction
Semester Course—Spring 2023 (1/2 credit)
College Prep

An Introduction to Science Fiction familiarizes students with Sci-Fi's most important themes, motifs, and preoccupations. Each year's version of the course is organized around a unifying topic that allows students to explore a range of literary works, both canonical and contemporary, and to make connections between those works and real-life conversations about technology, social and political organization, and the human condition. The Spring 2023 version will look at stories, novels, movies, and video games that either represent or allow users to experience virtual space—what engineers, entrepreneurs, and investors sometimes refer to as the "metaverse." Students will complete reading assignments, participate in graded seminar discussions, and present group projects as part of Kents Hill's Spring 2023 Learning Exhibition. Prerequisite: American Literature or an equivalent course. **NEW COURSE!**

ENG 491: Friendship and Identity in Literature
Semester Course—Spring 2023 (1/2 credit)
College Prep

In this semester-long course, we will examine representations of friendships across race, class, and culture. Going back to ancient times, friendship has been considered one of our most valuable, affirming, and also complicated social bonds. As such, it has been a central theme in film, popular culture, literature, and art. In this course, we will explore stories that capture the complexity of friendships across different positions of power and status and question what these depictions reflect about society and ourselves. Considerable attention will be paid to developing skills of perspective-taking and applying different lenses to our reading, writing, and thinking. Students will engage with a spectrum of voices and genres, hold a series of class conversations, complete creative and analytical writing pieces, and conduct a field project of their choice. Prerequisite: American Literature or an equivalent course. **NEW COURSE!**

500-LEVEL COURSES

ENG 501: Creative Writing
Full-year course (1 credit)
College Prep

Creative Writing is designed to help students develop their creative expression through the written word. Students will explore the craft and art of creative writing, learn how to identify successful elements of creative writing, develop oral and written articulation skills by properly and thoughtfully giving and receiving feedback, experience the wonders and intellectual empowerment of a "writing community," and use writing as a tool for self-discovery and scholarly exploration. Students will assemble their own creative writing portfolio composed of creative nonfiction, fiction, and poetry, and they will have the opportunity to broadly publish their work in *Juxtapose*, Kents Hill's literary magazine. Texts may include *The Art of Memoir* by Mary Karr, *Bird by Bird: Some Instructions on Writing and Life* by Anne Lamott, *Creating the Story* by Rebecca Rule and Susan Wheeler, and *The Truth of the Matter* by Dinty Moore. Other authors of study may include Gregory Martin, Elizabeth Cooke, Naomi Shihab Nye, Patricia Hampl, Annie Dillard, Lucy Grealy, Cristin O'Keefe Aptowicz, Joyce Carol Oates, Marcus Jackson, Adrien Matejka, Ted Kooser, and Carolyn Forché, among others. Prerequisite: Any 400-level course or instructor permission.

ENG 510: AP English Language and Composition
Full-year course (1 credit)

Advanced Placement

This “introductory college-level composition course,” as described by the AP Board, focuses on how writers structure their arguments and the “moves” they employ to be persuasive. We will examine non-fiction texts of all kinds – famous speeches, ripped-from-headlines editorials, memoirs, famous essays and letters, podcasts, images, TEDTalks – and learn how to compose our own rhetorically-rich arguments, including raising our awareness of the role of reasoning, organization and style in essays. A myriad of mini-units about a variety of topics will structure this course: gender in advertising, the role of social media, race in America, satire and humor, and civil disobedience are all possible areas of study. After the May AP exam, we will read various identity essays and write a draft of a college essay. Overall, students will enhance their ability to read critically, think analytically, and communicate clearly both in writing and speech. Students are required to take the AP Exam and pay the accompanying fee. Additional course fees apply. Prerequisite: Instructor permission. **NEW COURSE!**

ENG 511: AP English Literature and Composition

Full-year course (1 credit)

Advanced Placement

Designed to mimic a college-level course, AP English explores a variety of literary genres in intensive, student-led, daily discussions moderated by the instructor. In addition to regularly scheduled short papers and longer critical analyses, students prepare for the AP exam by writing weekly in-class essays from previous AP exams. Readings include but are not limited to novels, plays, and poems from authors such as Joseph Conrad, Robert Penn Warren, Toni Morrison, Fyodor Dostoevsky, Virginia Woolf, Leslie Marmon Silko, Walt Whitman, Maya Angelou, Richard Wright, and Samuel Beckett. Prerequisite: instructor permission. Students are required to take the AP Exam and pay the accompanying fee. Additional course fees apply. Instructor permission.

SOCIAL STUDIES

In addition to valuing the traditional curricular goals of content knowledge, all Social Studies courses emphasize skill development in critical thinking, creativity, collaboration, and communication, as well as the exploration of character and reflection. Three years of Social Studies courses, including U.S. History, are required for graduation, but the department strongly recommends taking additional elective courses, particularly during junior and senior year. (For changes to Kents Hill’s graduation requirements for the Classes of 2024, 2025, and beyond, see above, pages 4-7.) The Social Studies Department offers courses in the 200-600 levels.

200-LEVEL COURSES

SOC 202: Global Studies Seminar 1

Semester Course—Fall 2022 (1/2 credit)

College Prep

This course begins with a focus on what it means to be a “global citizen” in a world continuously shaped and tested by the competing forces of continuity and change. The class will explore some of the major political, economic, and social principles and systems that have influenced and organized the global community over time. Grounding their study in both history and current events, students will develop and articulate their own fictional country, and these fictional countries will be brought to life in a simulated global discourse in the second semester.

SOC 210: Global Studies Seminar 2

Semester Course—Spring 2023 (1/2 credit)

College Prep

Using their fictional countries created in the first semester, students will form a global community in miniature, and explore broad phenomena (conflict, migration, environmental change, cultural diffusion, humanitarian crises, epidemics, disruptive technologies, etc.) that have challenged communities throughout history to react, adapt, and redefine themselves in relation to one another. Students will apply their knowledge and skills to creatively and collaboratively develop solutions to a series of complicated and contemporary global challenges. To facilitate and enhance this process, students will learn the basics of parliamentary procedure, and sharpen their skills in communication and diplomacy.

SOC 212: Honors Global Studies Seminar 2

Semester Course—Spring 2023 (1/2 credit)

College Prep

Using their fictional countries created in the first semester, students will form a global community in miniature, and explore broad phenomena (conflict, migration, environmental change, cultural diffusion, humanitarian crises, epidemics, disruptive technologies, etc.) that have challenged communities throughout history to react, adapt, and redefine themselves in relation to one another.

Students will apply their knowledge and skills to creatively and collaboratively develop solutions to a series of complicated and contemporary global challenges. To facilitate and enhance this process, students will learn the basics of parliamentary procedure, and sharpen their skills in communication and diplomacy. At the Honors level, students will be required to take responsibility for leading specialized committees, conducting substantive independent research in those specializations, and networking academically with students, faculty, and community members outside of class who can provide additional information, perspective, and expertise. The semester exam will include an oral presentation that will be critiqued by Kents Hill School's "Model United Nations" delegation.

300-LEVEL COURSES

SOC 301: United States History

Full-year course (1 credit)

College Prep

Critical analysis of the entire breadth of the American experience is the theme of this college prep course. This course examines the social, political, and economic history of the United States from the Colonial Era through the twentieth century. Students will learn to evaluate history, analyze the relationships between people and events, uncover the roots of present-day problems, evaluate the successes and failures of politicians, social reformers, business leaders, military strategists, and everyday people to define and maintain the liberties, rights, and responsibilities integral to the character and ideals of the nation.

400-LEVEL COURSES

SOC 411: Economics

Full-year course (1 credit)

College Prep

The course utilizes a project-based learning framework to introduce students to "classical" microeconomic and macroeconomic theory and principles, as well as the emerging field of behavioral economics. Through an exploration of broad and complex real-world economic questions, the class will consider the mechanics and ethics of individual and collective economic decision-making, navigate such economic challenges as inflation, unemployment, and poverty, and consider the government's role in setting regulatory, fiscal, and monetary policies. Students will also be introduced to foundational principles of entrepreneurship and the basics of investing. Prerequisite: U.S. History (may be taken concurrently).

SOC 421: Psychology

Full-year course (1 credit)

College Prep

This course offers an introductory approach to the study of the human mind and behavior. It covers much of the same content as the AP Psychology course, but in a less comprehensive fashion. Students will be introduced to topics such as the biological foundations of behavior, states of consciousness, learning and memory theories, lifespan development, theories of personality and emotion, abnormal psychology, and social psychology. The course will be taught through a combination of reading, discussion, writing and project-based work with the goal of increasing student understanding of the many aspects of human behavior. Prerequisite: U.S. History (may be taken concurrently).

SOC 431: Contexts for Hip-Hop

Full-year course (1 credit)

College Prep

In this yearlong course, students will explore the dynamics of hip-hop culture, surveying its historical development, political significance, and social influences. Students will learn about Black culture's many inspirations by studying events, individuals, and artistic movements from 1619 to the present. They will also examine the connections between popular music and political change and consider the ways in which hip-hop artists from a variety of backgrounds borrow and learn from one another, both in the United States and around the world. Prerequisite: U.S. History (may be taken concurrently).

SOC 441: A Global History of the UN

Full-year course (1 credit)

College Prep

This course will examine the form and functions of the United Nations through an historical lens and a study of current events, as well as through project-based learning in effective diplomacy. Founded in 1945 in the wake of World War II, the United Nations is an international organization built to address issues confronting the global community and provide a mechanism for international dialogue, negotiation, and collective action. Since its founding, it has navigated such historical events as The Cold War and the collapse of Communism, revolutions in Asia, Africa, South America, and the Middle East, and dramatic global economic and social movements. As the class addresses events and topics related to peace and security, climate change and sustainable development,

human rights and gender equality, and humanitarian and health crises, students will prepare for and participate in the Maine Model United Nations Conference, where they will hone and test their skills in analysis, problem-solving, communication, and compromise. Prerequisite: U.S. History (may be taken concurrently). Additional course fees apply.

SOC 451: Introduction to Women's Studies

Full-year course (1 credit)

College Prep

Introduction to Women's Studies is a year-long course that introduces students to the Women's Liberation Movement in the United States through a chronological exploration of the four waves of feminism. Starting with the road to Women's Suffrage and concluding with the modern-day fight for gender equity, students will explore the evolution of feminist consciousness throughout history, and critically analyze the successes and failures of each wave of American feminism. Utilizing both theoretical and historical lenses, students will be introduced to important authors and individuals within the women's movement, including, but not limited to, Sojourner Truth, Alice Paul, Susan B. Anthony, Betty Friedan, Gloria Steinem, Bell Hooks, and Audre Lorde. Assignments will include a variety of readings plus regular class discussions, creative projects, and several traditional essays. Prerequisite: U.S. History (may be taken concurrently). Additional course fees apply.

500-LEVEL COURSES

SOC 501: AP Human Geography

Full-year course (1 credit)

Advanced Placement

In this year-long course, students will cover the content of an introductory college-level AP Human Geography course. Students will cultivate their understanding through data and geographic analyses as they explore topics like patterns and spatial organization, human impacts and interactions with their environment. The course will introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students will learn to employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They will also learn about the methods and tools geographers use in their research and applications. Prerequisites: U.S. History (may be taken concurrently) and instructor permission. Students are required to take the AP Exam and pay the accompanying fee. **NEW COURSE!**

SOC 511: AP Psychology

Full-year course (1 credit)

Advanced Placement

In this year-long course, students will cover the content of a college-level Introductory Psychology course. It is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. The course includes topics such as the historical roots of psychology, research design, the biological bases of behavior, memory and cognition, lifespan development, personality theory, states of consciousness, abnormal behavior, and social psychology. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. Prerequisites: U.S. History (may be taken concurrently) and instructor permission. Students are required to take the AP Exam and pay the accompanying fee.

SOC 521: AP United States Government and Politics

Full-year course (1 credit)

Advanced Placement

In this course, students will practice the skills used by political scientists by studying data, political writings from the founding era to the present, the structure of the government as established by the Constitution, and constitutional interpretations handed down by the Supreme Court. They will delve deeply into the three branches of federal and state governments while studying the election cycle, partisan politics and democracy as an institution. Students will show mastery of these skills on the exam through a variety of means, including concept application, data analysis, Supreme Court case comparisons, and writing political science arguments. Prerequisites: U.S. History and instructor permission. Students are required to take the AP Exam and pay the accompanying fee.

SOC 531: AP United States History

Full-year course (1 credit)

Advanced Placement

In this course, students will investigate significant events, individuals, developments, and processes in nine historical periods from 1491 to the present. They will develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course challenges students to make connections among historical developments in different times and

places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. Prerequisite: instructor permission. Students are required to take the AP Exam and pay the accompanying fee.

600-LEVEL COURSES

SOC 601: Principles of Entrepreneurship and Management

Full-year course (1 credit)

Dual-Enrollment

Whether in college or in a rapidly changing global economy, our graduates will navigate a world of change and uncertainty, and entrepreneurship education will help them to develop a collaborative, problem-solving, growth mindset, and the skills associated with learning through setbacks and perseverance. This course will focus on the principles of entrepreneurship and the process of small business development. Prerequisites: U.S. History and instructor permission. Economics strongly recommended. Students who successfully complete this course will receive college credit. Additional course fees apply.

SOC 611: Principles of Investment and Financial Planning

Full-year course (1 credit)

Dual-Enrollment

Demand for our students to be exposed to the topics of personal finance and planning is increasing each year. Many states are making it a requirement for graduation. This course will dive deep into topics such as retirement, tax planning, estate planning, risk management and investments along with budgeting, credit/debt, saving, spending, market trends, insurance, college loans, and more. This course will focus on all aspects of personal finance and how decisions regarding money throughout a person's life affects long-term investments, wealth building, and planning for the future. Students will acquire knowledge in the world of finance and develop habits that will last through their lives. Prerequisites: U.S. History and instructor permission. Economics strongly recommended. Students who successfully complete this course will receive college credit. Additional course fees apply.

WORLD LANGUAGES

The World Languages Department aims to develop competency in the four areas of language skill: listening, reading, speaking, and writing, and to provide students with an understanding and appreciation of cultures other than their own. Students acquire a working knowledge of essential grammatical structures while also building the skills necessary for communication in the context of specific, real-world outcomes. In the upper levels, students develop the ability to read, analyze, and discuss literary works, contemporary texts, and films. At all levels, students reflect on the learning strategies proper to world languages while developing the mindset and character attributes that promote global citizenship. Note: the overarching goal of the World Languages Program is to promote bilingualism; as such, students arriving at Kents Hill already knowing multiple languages, or students who are English-language learners, may receive language waivers. World Language courses are offered at the 100-500 levels.

100-LEVEL COURSES

LAN 101: Beginner French

Full-year course (1 credit)

College Prep

An introductory course in the French language and culture, Beginner French seeks to build a strong foundation in the language, with equal emphasis placed on reading, writing, listening, and speaking skills. A variety of methods are employed to help students develop proficiency in the language. These include, but are not limited to, textbook and workbook exercises, grammar lessons, reading comprehension activities, informal conversations, games, music, videos, and Internet research. Additionally, students begin to develop their knowledge of the history and culture of French-speaking regions, with the goal of broadening their understanding of the world and its many distinct cultures.

LAN 111: Beginner Spanish

Full-year course (1 credit)

College Prep

An introductory course in the Spanish language and culture, Beginner Spanish seeks to build a strong foundation in the language, with equal emphasis placed on reading, writing, listening, and speaking skills. A variety of methods are employed to help students develop proficiency in the language. These include, but are not limited to, textbook and workbook exercises, grammar lessons, reading comprehension activities, informal conversations, games, music, videos, and Internet research. Additionally, students begin

to develop their knowledge of the history and culture of Spanish-speaking regions, with the goal of deepening their understanding of the world and its many distinct cultures.

200-LEVEL COURSES

LAN 201: Advanced Beginner French

Full-year course (1 credit)

College Prep

This course begins with a review of the skills taught in Beginner French and then builds upon those skills throughout the school year. The same, multi-modal methods are used to help students continue to develop their ability to read, write, and speak French. Emphasis is placed on grammatical accuracy and conversational fluency, while students continue to develop their knowledge and understanding of the French-speaking world and its diverse cultural contributions. Prerequisite: Beginner French.

LAN 211: Advanced Beginner Spanish

Full-year course (1 credit)

College Prep

This course begins with a review of the skills taught in Beginner Spanish and then builds upon those skills throughout the school year. The same, multi-modal methods are used to help students continue to develop their ability to read, write, and speak Spanish. Emphasis is placed on grammatical accuracy and conversational fluency, while students continue to develop their knowledge and understanding of the Spanish-speaking world and its diverse cultural contributions. Prerequisite: Beginner Spanish.

LAN 250: Francophone Culture

Full-year course (1 credit)

College Prep

This course seeks to introduce variations of French and the variety of cultures in the Francophone world. Students are introduced to the concept of “Francophone,” its ideological and political meaning, as well as its cultural and literary expressions. This class will help improve speaking skills while deepening knowledge about cultural issues in French-speaking areas of the world. Through the study of films, comics, current events, and cultural comparisons, students will focus on essential communication skills such as comprehension, contemporary vocabulary use, and conversational practice. Students will gain greater fluency and confidence. They will also improve their oral communication skills by exploring contemporary issues and cultural differences between food, music, slang words, economic differences, in a political and historical context. This course aims to help students understand how to use the French language in varied communicative contexts and gain a deeper understanding of French and Francophone cultures. Prerequisite: Advanced Beginner French, or the equivalent.

300-LEVEL COURSES

LAN 301: Intermediate French

Full-year course (1 credit)

College Prep

This course is designed for students who excelled in Advanced Beginner French and who wish to improve their skills and competency in the language, while deepening their knowledge and understanding of Francophone culture. The course begins with a rapid and comprehensive review of the language elements presented in earlier levels. Then students learn the remaining tenses while expanding their vocabulary through a variety of readings, films, and discussions in the target language. The course requires students to read, write, and speak extensively in French, demonstrating increasing fluidity and grammatical accuracy. At every stage, students reflect on their progress as they develop the characteristics of a global citizens. Prerequisite: Advanced Beginner French.

LAN 311: Intermediate Spanish

Full-year course (1 credit)

College Prep

This course is designed for students who excelled in Advanced Beginner Spanish and who wish to improve their skills and competency in the language, while deepening their knowledge and understanding of Hispanic culture. The course begins with a rapid and comprehensive review of the language elements presented in earlier levels. Then students learn the remaining tenses while expanding their vocabulary through a variety of readings, films, and discussions in the target language. The course requires students to read, write, and speak extensively in Spanish, demonstrating increasing fluidity and grammatical accuracy. At every stage, students reflect on their progress as they develop the characteristics of a global citizens. Prerequisite: Advanced Beginner Spanish.

500 LEVEL COURSES

LAN 501: Advanced French

Full-year course (1 credit)

Honors

Advanced French is a rigorous course designed for students who have successfully completed Intermediate French. The course is almost fully conducted in French and students in Advanced French are expected to continue honing their communication skills by completing readings, watching and reacting to videos, conversing and presenting fully in the target language. Students will review advanced grammatical structures as they gain in fluency and deepen their knowledge of Francophone culture, with the goal of developing the character of global citizens in the 21st century. In Advanced French, students also gain in fluency and begin preparing for upper-level language study at the university. Prerequisite: Intermediate French, or the equivalent of three years of high school French.

LAN 511: Advanced Spanish

Full-year course (1 credit)

Honors

Advanced Spanish is a rigorous course designed for students who have successfully completed Intermediate Spanish. The course is almost fully conducted in Spanish and students in Advanced Spanish are expected to honing their communication skills by completing readings, watching and reacting to videos, conversing and presenting fully in the target language. Students will review advanced grammatical structures and increase their knowledge of Hispanic culture, with the goal of developing the character of global citizens in the 21st century. In Advanced Spanish, students also gain in fluency and begin preparing for upper-level language study at the university level. Prerequisite: Intermediate Spanish, or the equivalent of three years of high school Spanish.

COURSE DESCRIPTIONS: STEAM

SCIENCE

Kents Hill's Science program provides college-bound students with the opportunities to grow as problem solvers, critical thinkers, and working scientists. The program offers these opportunities in a wide variety of courses. In these courses, students will be challenged to complete traditional laboratory experiments, give course presentations, develop scientific writing skills, apply course content to real-world questions, design new products, and develop opinions regarding scientific ethics. Each student must take at least three credits of Science to graduate. Credits must include a Life Science course and at least one credit in the core laboratory courses of Chemistry and Physics. (For changes to Kents Hill's graduation requirements for the Classes of 2024, 2025, and beyond, see above, pages 4-7.) Kents Hill offers Science courses at the 200-600 levels.

200-LEVEL COURSES

SCI 201: Biology

Full-year course (1 credit)

College Prep

Biology is the study of life. In the first part of this laboratory course, students will learn about how chemistry is associated with life and the topic of cells. This includes learning about the criteria for the most basic living organisms, how cells form more complex organisms, and how normal cells become cancerous. The second major topic of this course focuses on genetic traits; specifically, students will learn how traits are inherited and the probability of inheriting particular traits. The last major topic focuses on evolution and ecology. In this unit, students will learn about the amazing diversity of species and how we distinguish species, how species change over time, and how species impact each other and their environment.

SCI 211: Honors Biology

Full-year course (1 credit)

Honors

In the Honors version of this laboratory course, students will learn the same concepts but in greater depth and intensity. Students will learn about how chemistry is associated with life and the topic of cells. This includes learning about the criteria for the most basic living organisms, how cells form more complex organisms, and how normal cells become cancerous. The second major topic of this course focuses on genetic traits; specifically, students will learn how traits are inherited and the probability of inheriting particular traits. The last major topic focuses on evolution and ecology. In this unit, students will learn about the amazing diversity of species and how we distinguish species, how species change over time, and how species impact each other and their environments.

300-LEVEL COURSES

SCI 301: Chemistry

Full-year course (1 credit)

College Prep

This course introduces students to the basic principles of chemistry. Students will learn about the scientific process, the development of the atomic structure, properties of elements, chemical bonding, reactions, thermodynamics, and properties of gasses. Experience in the laboratory is an important part of this course, and experiments are chosen to help students reinforce the course topics and learn good basic laboratory techniques. Prerequisite: Algebra 1.

SCI 311: Honors Chemistry

Full-year course (1 credit)

Honors

This laboratory course covers topics that will enable a student to enter a first-year college chemistry course. These include phases of matter, the scientific process, the development of atomic structure leading to the present quantum mechanical model, the properties of elements, chemical bonding, chemical equilibrium, reactions, and thermodynamics. Experience in the laboratory is an important part of this course, and experiments are chosen to help students reinforce the course topics and learn good basic laboratory techniques. Prerequisite: Algebra 1.

SCI 331: Astrophysics

Full-year course (1 credit)

College Prep

This course is all about exploring the universe. Students will learn and apply conceptual physics while learning about what we know so far about space and what modern astrophysicists are curious about and concerned with. We will start by focusing on our solar system and learning about the objects that comprise our immediate surroundings. We will then focus on stars. Students will learn about stellar characteristics and evolution. Our study of the universe will broaden as students learn about an expanding universe in terms of Hubble's law and red-shifting. The course will wrap up by exploring dark energy, dark matter, and black holes. Prerequisite: Geometry (which may be taken concurrently).

SCI 341: Maine Field Studies

Full-year course (1 credit)

College Prep

Maine Field Studies is a place-based environmental studies course that focuses on understanding the complex relationships between humans and ecosystems in Maine. Students will learn about basic principles of ecology while exploring forests, lakes, mountains, and the Maine coast, and consider the ways in which Maine's ecosystems are affected by our changing climate. Working with community partners, students will develop an understanding of the unique needs of Maine's rural communities. Students will apply their knowledge by designing and implementing a climate action project that aims to increase the long-term resilience of our communities. Skills taught in this course include data collection, field research methods, communication, and community engagement. This class will have a strong field component. Students should be prepared to be outside in all weather conditions.

400-LEVEL COURSES

SCI 421: Global Environmental Learning

Full-year course (1 credit)

College Prep

Global Environmental Learning is an applied environmental studies course that focuses on field-based research to understand Earth systems. In this year-long course, students will follow protocols from [GLOBE](#) science, a global collaboration between NASA, NOAA, the NSF, and the US Department of State. Students will explore basic principles of scientific inquiry and communication while learning about properties of the pedosphere, biosphere, atmosphere, and hydrosphere. The course will place a strong emphasis on designing and conducting authentic research, culminating in a student-driven research project. This course is best suited for students eager to transfer knowledge and skills from prior science courses into an applied context.

500-LEVEL COURSES

SCI 501: AP Biology

Full-year course (1 credit)

Advanced Placement

AP Biology is aligned with the College Board standards. Students will be expected to be familiar with fundamental content from their previous biology class. A greater emphasis is placed on laboratory procedures and reports. Students will dive deeper to learn

how cells communicate with each other to maintain homeostasis in complex organisms, how cytoplasmic determinants help control development, the impact of single versus frameshift mutations, how genes are activated or deactivated, how enzymes regulate metabolism, impacts of selection on species evolution, how interspecific and intraspecific competitions affect species survival, and the complex connections between organisms with each other and their environments. Broad Topics that will be covered are: Chemistry of Life, Cell Structure and Function, Cellular Energetics, Cell Cycle and Communication, Heredity, Gene Expression and Regulation, Natural Selection, and Ecology. Prerequisites: Honors Biology and Chemistry. Students are required to take the AP Exam and pay the accompanying fee.

SCI 511: AP Environmental Studies

Full-year course (1 credit)

Advanced Placement

The goals of this interdisciplinary science course are to provide students with the skills and knowledge to understand the interrelationships of the natural world and to understand and analyze both natural and human-made environmental issues. This course integrates the disciplines of chemistry, biology, and physical sciences as they apply to understanding the interconnectedness of the natural world. Classes will consist of lectures and discussions as well as extended laboratory and field investigations. Topics will include the following concerns from a local and global perspective: interdependence of earth's systems, population dynamics, resource use, environmental quality, global changes, and the interactions of the environment and society. Students can expect a variety of written assessments plus a cumulative portfolio of their classroom, laboratory, and field work. Students are required to take the AP Exam and pay the accompanying fee.

SCI 521: AP Chemistry

Full-year course (1 credit)

Advanced Placement

The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Students are required to take the AP Exam and pay the accompanying fee. Prerequisites: Honors Chemistry or Chemistry with a teacher recommendation.

600-LEVEL COURSES

SCI 611: College Physics 1

Full-year course (1 credit)

Dual-Enrollment

This course is a college level introduction to the content, methods, and philosophy of science with an emphasis on the principles of physics and their application to topics in research and current issues in science. It is a first-year course that will prepare a student desiring to pursue a career in science or engineering beyond Kents Hill School to be successful. The course will focus on Mechanics (with specific attention to motion, the forces that cause that motion and conservation principles in energy and momentum) and principles of Thermodynamics. Knowledge of theory and practice will be gained through class seminars, project-based learning, homework sets and laboratory exercises. In addition to Science laboratory skills (measuring, computing, analyzing and performing error analysis), students will perform several labs that will help develop the skills of *creativity* (designing labs given a list of materials), *collaboration* (seldom do we work alone), *critical thinking* (how we determine an answer makes sense and discover sources of error) and *communication* (presentation of lab reports in various forms.) Additionally, students will address issues in scientific ethics and personal values through a series of character studies that use real-world scenarios to explore the question, "Why does ethical behavior in a Scientist matter?" Prerequisites: Precalculus (may be enrolled concurrently), instructor permission. Students who successfully complete this course will receive college credit. Additional course fees apply.

SCI 621: College Physics 2

Full-year course (1 credit)

Dual-Enrollment

This course is a second-year physics class with an emphasis on the principles of physics and their application to topics in research and current issues in science. It is a follow-on to the first-year course that will prepare a student desiring to pursue a career in science or engineering beyond Kents Hill School to be successful. As an advanced course, the focus areas will include Wave Fundamentals (to include Sound and Light), Electricity and Magnetism, and Modern Physics (Quantum Mechanics and Nuclear Physics.) Knowledge of theory and practice will be gained through class seminars, project-based learning, homework sets and laboratory exercises. In addition to Science laboratory skills (measuring, computing, analyzing and performing error analysis), students will perform several labs that will help develop the skills of *creativity* (designing labs given a list of materials), *collaboration* (seldom do we work alone), *critical thinking* (how we determine an answer makes sense and discover sources of error) and *communication* (presentation of lab reports in various forms.) Additionally, students will address issues in scientific ethics and personal values through a series of

character studies that use real-world scenarios to explore the question, “What is the cost of lies?” Prerequisites: Successful completion of College Physics 1 or an Advanced Placement Physics Course, instructor permission. Students who successfully complete this course will receive college credit. Additional course fees apply.

TECHNOLOGY AND ENGINEERING

Technology and Engineering is the newest addition to Kents Hill’s academic program. TE courses include introductions to robotics, computer science, and design principles that are accessible to everyone, as well as more advanced options that may be of interest to students considering Technology and Engineering concentrations in college or the workforce. All TE courses combine instruction in essential concepts and technical skills with opportunities to think critically about social and ethical issues. Each course also includes a Project-Based Learning component that allows students to apply what they have learned. Students in the Class of 2025 and beyond must complete two credits of Technology and Engineering to graduate from Kents Hill. (For changes to Kents Hill’s graduation requirements for the Classes of 2024, 2025, and beyond, see above, pages 4-7.) The TE program offers courses at the 100-400 levels.

100-LEVEL COURSES

TE 111: An Introduction to Robotics

Full-year course (1 credit)

College Prep

Robotics is based on a curriculum developed by Carnegie Mellon University’s Robotics Academy and uses both the *LEGO Mindstorms EV3* and the *VEX IQ* platforms throughout the year. The course focuses on robotics technologies, as well as math and science concepts including fundamentals in physics, mechanical design, circuit design, engineering and construction techniques, and programming skills. Working in teams, students will learn how to construct robots and program them using various software; they will also complete challenges related to various sensors and coding functions. Students will reflect on the future moral and career implications of the integration of society and technology. Prerequisites: Algebra 1 (may be taken concurrently).

200-LEVEL COURSES

TE 211: Woodworking and Design

Full-year course (1 credit)

College Prep

This course will focus on fundamental design principles and woodworking construction processes to create one-of-a-kind objects. This skill-building course is designed to engage students in the making process to gain a better understanding of historical fabrication methods and modern design techniques. Students learn structural and aesthetic problem-solving skills through a variety of self-designed projects. Using the design thinking process students learn to generate ideas that are transformed into sketches, CAD models, and finished works. Students embark on a self-determined path leading to understanding traditional and contemporary woodworking tools and techniques ranging from carving utensils to employing digital fabrication tools such as CNC (computer numeric controlled) routers to bring their ideas into reality. Students will keep a journal of sketches, ideas, and goals for the semester providing an opportunity to practice self-observation and reflective writing on the making process.

TE 221: Computer Science Principles

Full-year course (1 credit)

College Prep

Computer Science Principles introduces students to the basic concepts of computer science and the impact of computing and technology on present and future societies. More than an introduction to coding, this course is a rigorous yet approachable course that covers many foundational aspects of modern computing across multiple platforms. Students will move from general vocabulary through application development to reflections on future career applications of the technology. Students will also reflect on the job market, economic impact and moral implications of big data, automatization, and mechanization. This is a year-long course that has no prerequisites, but allows students to challenge the AP Computer Science Principles exam if they desire. **NEW COURSE!**

TE 231: An Introduction to Digital Media

Full-year course (1 credit)

College Prep

This class is intended for students who want to develop skills in the ever-expanding world of digital media. The course explores the concepts rooted in commercial art, logo design, photo manipulation, and new media, combining the principles of art and design with the digital tools of *Adobe Photoshop* and *Illustrator*. The basic elements of art and design such as color, composition, visual emphasis,

typography and ligature, composition, line, and color are focal points in each project. In the first semester of this course, with the use of Photoshop, digital photographs are manipulated to create expressive artworks. In the second half of the course, Illustrator is used as a creative tool to design posters, logos, T-shirts, tri-folds, and other products. Additional course fees apply.

300-LEVEL COURSES

TE 311: An Introduction to Computer Aided Design

Full-year course (1 credit)

College Prep

This course teaches the use of modern CAD design software to produce two and three-dimensional drawings for manufacturing applications. It covers coordinate systems, proper dimensioning, Computer Aided Manufacturing, CNC machining, collaborative and engineering techniques using a project-based curriculum. The students will be introduced to 3-D printing, laser cutting, and CNC routed material. Students will start out creating simple single piece designs cut or printed by one machine. As the class progresses, to promote collaboration and project rigor, students will be assembled into design teams and complete complex design and build challenges. Advanced challenges will require pieces manufactured on multiple machines and assembled by the build team.

NEW COURSE!

TE 321: An Introduction to Web Design

Full-year course (1 credit)

College Prep

This course familiarizes students with the fundamentals of web design. We will introduce basic terminology and components of the internet and website framework. Intense discussion will be placed on site planning, effective design, user interface, and layout strategies. Students will then learn how to create graphics and build websites using the latest web tools and best practices. The class will culminate with students launching their own website and students will collaborate with faculty to maintain and upgrade KentsHill.org. **NEW COURSE!**

400-LEVEL COURSES

TE 411: Physics and Engineering Fundamentals

Full-year course (1 credit)

College Prep

In this physics course, students will explore how physics is used by engineers as they design projects and solve problems. Students will be exposed to three types of engineering disciplines (mechanical engineering, civil engineering, and electrical engineering) while they learn about the physics concepts of motion, forces, electricity, circuits, energy, and sound. This is a project based-learning course that will involve learning physics concepts and laws needed to complete a major design project that will culminate each unit; we will also utilize lab activities to strengthen knowledge and science skills. One of the PBL projects will include a visit to Texas Instruments in Portland. This will provide an opportunity for students to explore potential job opportunities as an electrical engineer. In addition to PBL, this course will utilize the following learning principles: reflection, creativity, collaboration, and character. These will be incorporated in the course by completing the engineering process while working on PBL projects (which has a large focus on reflection, collaboration, and creativity), and by having group and teacher assessments at the end of the PBL process to evaluate team members character and engagement. Pre-requisites: Algebra 2 (can be taken concurrently). **NEW COURSE!**

TE 421: Advanced Engineering and Robotics

Full-year course (1 credit)

Advanced Placement

This is a competency-based course where students will design, prototype, build, program and test a variety of engineering and robotic solutions to in-class scenarios and community problems. Students will have access to and should have a familiarity and comfort with the makerspace, wood shop equipment, and basic software manipulation. Curriculum will be based on Carnegie Mellon's Fabrication Foundations, Mechanical Foundations, Robotics Integration, and Software Foundations Courses. In this rigorous, fast-paced course, students will gain a high level of understanding of engineering practices, robotic structures, and software interfaces. In addition to our work in the lab, students will be asked to consider the moral and ethical requirement and responsibility of industrial and governmental use of technology to address the environmental and social equity issues of our time. Students should also expect to represent the school on the robotics team in some capacity. Prerequisite: Introduction to Robotics or instructor permission. **NEW COURSE!**

THE ARTS

The Arts Department's mission is to provide all students with opportunities to develop their appreciation and understanding of the visual and performing arts. Kents Hill offers variety, depth, and growth to every student and facilitates professional creative environments in which students feel safe, supported, and challenged. All students must complete two years of art (including 1/2 credit Visual Arts and 1/2 credit Performing Arts) to meet Kents Hill's graduation requirements. (For changes to Kents Hill's graduation requirements for the Classes of 2024, 2025, and beyond, see above, pages 4-7.) Courses awarding Visual and Performing Arts credits are specifically designated as such. The Arts Department offers courses at the 100-500 levels.

ART FOUNDATIONS

100-LEVEL COURSES

VPA 101: First-Year Arts Seminar

Full-year course (1 credit)

College Prep

The Freshman Arts Seminar is designed to allow our students to find their creative voices and explore Kents Hill's arts offerings. This course is taught in four sections by four different instructors. In each section, students will be introduced to a different set of skills and concepts. Topics of exploration include but are not limited to drawing, ceramics, CAD, woodworking, performing arts, and the *Adobe Suite*. Through written reflections and group critiques, our students will develop critical thinking skills and the ability to share and receive meaningful feedback. This course provides students with a well-rounded background in the arts at Kents Hill and allows them to focus on specialized classes as they move through the Kents Hill curriculum. Additional course fees apply.

VISUAL ARTS

200-LEVEL COURSES

VPA 201: Ceramics

Full-year course (1 credit)

College Prep

This course is an introduction to the multiple methods of creating art with clay. Students will explore various clay bodies and learn the primary techniques of hand-building and glazing. Students will also be introduced to advanced processes such as wheel throwing, mold making, and slip casting. Projects range from sculptural pieces to functional wares while emphasizing creative freedom. Students will gain inspiration and appreciation of a wide breadth of historical and contemporary ceramic artists through research assignments. Written reflection and group critiques allow students to develop their communication skills and artist voices. Additional course fees apply.

VPA 231: Drawing and Painting

Full-year course (1 credit)

College Prep

This course is designed to help students develop basic drawing and painting skills. Through exercises, practice, and critiques students will learn how to see as an artist sees. Using various mediums including pencil, pen, and charcoal, students create a series of drawings to become comfortable rendering from observation. The foundational principles of art such as proportion, perspective, composition, negative/positive space relationships, value, and shading are all skills developed through drawing projects. Group critiques help students develop their communication skills and hone their artistic voices. In the second half of the course, students build upon their drawing skills and explore techniques and concepts of watercolor and acrylic painting. Students will explore how color, tone, and texture all impact a work of art. Additional course fees apply.

VPA 241: Photography

Semester course—Fall 2022 (1/2 credit)

College Prep

This course is an introduction to the art of making, altering, and printing photographs. Students will explore the history of photography and the technology artists have used over the past century to capture images on film. The class primarily focuses on the use of DSLR (digital single-lens reflex) cameras, *Adobe Photoshop*, and *Lightroom*. The foundational principles of art such as proportion, perspective, and composition, are all skills developed throughout the year. This course introduces concepts relating to

studio photography and lighting techniques. Students will work at cultivating a personal voice through their photos and effectively communicating their ideas and stories visually. Additional course fees apply.

VPA 271: Sculptural Materials and Processes

Semester course—Spring 2023 (1/2 credit)

College Prep

This course explores concepts, materials, and processes associated with contemporary sculptural practices. Students will be introduced to the tools and techniques associated with fabricating objects in a variety of materials such as wire, cardboard, wood, and found objects. Through demonstrations and assignments students will understand how the foundational principles of art sculpture line, volume, space, and texture are employed to create works of three-dimensional art. Students will be introduced to contemporary artists, concepts, and ethos through readings, research, and group critiques.

VPA 281: Jewelry Making and Metalsmithing

Semester course—Spring 2023 (1/2 credit)

College Prep

This course explores the concepts and skills of making jewelry and body adornment. Students will learn to work with metal from a Fine Arts perspective to create one-of-a-kind wearable sculptures. Students learn how to work with copper and silver as they also learn to design and build functional and sculpture work. Through technical demonstrations and assignments, students will learn a variety of skills such as cutting, soldering, riveting, sanding, and stone setting. Through slideshows and individual research, students are introduced to historical and contemporary metal-working concepts and artists. Through written reflection and group critiques students develop their communication skills and artistic voices. Additional course fees apply.

VPA 291: Green Woodworking

Semester Course—Fall 2022 (1/2 credit)

College Prep

This course focuses on the relationship between nature and design. In the forest and in the woodworking studio, students will develop skills in designing and making through the exploration of natural materials, systems, and forms. We will engage in a variety of outdoor learning opportunities such as working with the Maine Forest Service to measure the health of the Kents Hill forest in our established FERN (Forest Ecology Research Network) plot. This class also investigates nature through the lens of an artist. Students will develop skills and understanding of tools and technology related by creating greenwood furniture and environmental sculptures. Keeping a sketchbook and reflection journal is an integral part of this course; over the course of the semester students, will sketch, take notes, and reflect on the process, concepts, and skills they have explored. Additional course fees apply.

300-LEVEL COURSES

VPA 301: Art of Short Film

Full-year course (1 credit visual art)

College Prep

The Art of Short Film educates and engages students in all aspects of producing a short film. Using *Adobe Premiere* software, video cameras, tripods, professional lighting, and audio equipment, students create their own collection of short (1-5 minute) films. Striving artistically to showcase the elements of cinema into compelling visual storytelling is a major goal of the course. Students work in groups and individually depending on the project. The principles of filming (framing, pan & zoom, angles, etc.) as well as editing (cutting, pacing, etc.) are covered. For homework, students research various film techniques, post videos, and report on their findings. Additional course fees apply.

VPA 311: Community Design and Build

Full-year course (1 credit visual art)

College Prep

This course focuses on project-based learning, the design-thinking process, collaborative learning, and the value of giving back to the community. In this course, students lead the way to identify instances where designed interventions and creations can positively impact our campus and the greater community. Students work collaboratively to design and create one-of-a-kind objects of value that enrich the quality of life on and around Kents Hill. Students learn structural and aesthetic problem-solving skills through a variety of in-class projects. Students are introduced to traditional and contemporary woodworking tools and techniques ranging from hand tools to CAD (computer-aided design) software to bring their ideas into reality. Students will keep a journal of sketches, ideas, and goals for the semester providing an opportunity to practice self-observation and reflective writing on the making process. Additional course fees apply.

500-LEVEL COURSES

VPA 501: AP Two-Dimensional Studio Art

Full-year course (1 credit visual art)

Advanced Placement

This course is intended for juniors, seniors, and Academic Gap Year students who are serious about art and are considering a major or minor in art in college. Students will pursue individualized research and artistic investigation on a self-determined topic of interest. Students will prepare an art portfolio for the AP 2-D or the Drawing Studio Art exam in May and as a supplement for their college portfolio applications. The goals of this course are to encourage creative as well as systemic investigation of formal and conceptual issues; to emphasize art as an ongoing process involving informed and critical decision-making; to develop technical skills and to familiarize students with the functions of the visual elements. Instructor permission is required for this course. Additional course fees apply.

VPA 511: AP Three-Dimensional Studio Art

Full-year course (1 credit visual art)

Advanced Placement

This course is intended for juniors, seniors, and Academic Gap Year students who are serious about art and are considering a major or minor in art in college. Students will pursue individualized research and artistic investigation on a self-determined topic of interest. Students will prepare an art portfolio for the AP 3-D Studio Art exam in May and as a supplement for their college portfolio applications. The goals of this course are to encourage creative as well as systemic investigation of formal and conceptual issues; to emphasize art as an ongoing process involving informed and critical decision-making; to develop technical skills and to familiarize students with the functions of the visual elements. Instructor permission is required for this course. Additional course fees apply.

PERFORMING ARTS

200-LEVEL COURSES

VPA 202: Electric Composition

Semester course—Fall 2022 and Spring 2023 (1/2 credit)

College Prep

This semester-long course will focus on the fundamentals of music, notation, rhythm, melody, harmony, timbre, texture, and form. Students will take that musical knowledge and learn how to compose music in various electronic media. Using our recording studio, students will learn the nuance of recording, mixing, editing, sampling, and producing music. Students will create high-quality recordings and electronic compositions using a wide array of tools and techniques. No prior musical training is required.

VPA 224: Instrumentation and Performance

Semester course—Fall 2022 and Spring 2023 (1/2 credit)

College Prep

This course provides students the opportunity to learn or develop the skills, mechanics, and knowledge required to play an instrument. Students will learn to play music individually, as well as be challenged to take on collaborative projects and play within a group. Additionally, students will be introduced to the basics of using professional music equipment and the basics of the recording process. Students may choose from a variety of instruments including but not limited to voice, guitar, percussion, and so on, as their focus of study. Students taking this course will be required to perform on specific dates throughout the semester, and show the progress of instrument study through periodic panel performances. Students are encouraged to bring their own instruments if possible, though doing so is not necessary or required. Students do not need previous instrumentation skills. Additional course fees apply. **NEW COURSE!**

VPA 234: Theater and Stagecraft

Semester course—Fall 2022 and Spring 2023 (1/2 credit)

College Prep

In this course, students will be introduced to the basic skills of stage performance and stagecraft. Students will explore technical theater skills such as lighting, sound, costumes, and the production of a show. Not only will students learn backstage skills, but will also touch on performing in front of their classmates. Students will learn public speaking skills and acting techniques through monologues, actor warm-ups, and stage direction. Through in-class exercises and reflective writing assignments, students will learn how to give and receive feedback on their efforts. This class will collaborate with the Kents Hill Theater Department on the production of its theatrical performances. Using their creative voices to design and fabricate sets students will learn basic carpentry and painting skills to bring the theater sets to life. **NEW COURSE!**

VPA 244: Music Theory

Semester course—Fall 2022 and Spring 2023 (1/2 credit)

College Prep

In this course, students will develop the fundamental skills of music theory and composing music. They will learn the basics of music notation (clefs, pitch, note values, bar lines, time signatures, and key signatures) and be introduced to historical and contemporary musical styles. Students will practice composing by creating original phrases of music on computer compositions programs *Musescore* and *Flat.io*. We will then dive deeper and cover more complex scales, chords, rhythm, and harmonic and melodic concepts. Students will also learn how to sight-read written music and study orchestrations for film and television. The semester will culminate in students composing original pieces and sharing them with the community. Students will leave the course with a basic understanding of Music Theory and Composition.

MATHEMATICS

Kents Hill's Mathematics program is designed to help students master algebraic skills, understand algebraic methods, reason graphically and analytically, and utilize mathematics in solving everyday problems. Math courses are offered at the 100-500 levels and include several Honors and Advanced Placement options that move at an accelerated pace and cover content in considerable breadth and depth. Such courses require a serious commitment from the student in addition to a willingness to invest extra time and effort in mastering the material. Please note that all students are required to complete at least three years of mathematics including Algebra 1, Algebra 2, and Geometry, and that because most selective college require four years of mathematics, the Math Department and College Counseling strongly recommend completing a fourth year. All students must have a TI-84 graphing calculator or the equivalent.

100-LEVEL COURSES

MAT 101: Algebra 1

Full-year course (1 credit)

College Prep

Algebra 1 provides the foundation for further study in high school mathematics. The course emphasizes the habits of mind that promote success in mastering the skills and concepts in this course and in future mathematics courses. Students will be given opportunities to display creativity by demonstrating different ways of reaching a solution, to develop collaboration skills by regularly working with classmates, to practice critical-thinking by taking what we learn and applying it outside of our classroom, and to communicate effectively by participating in class discussions and explaining one's thinking. Since learning math often requires tenacity and persistence, students' character will evolve as they develop productive study habits and become more resilient. Students will also reflect on their learning through engagement, self-assessments, and post-test surveys about their work habits.

200-LEVEL COURSES

MAT 201: Geometry

Full-year course (1 credit)

College Prep

Geometry is a year-long course that introduces Kents Hill students to geometric reasoning as a process for problem-solving. Geometry explores topics including i) triangle congruency and similarity, ii) properties of circles and convex polygons, and iii) the dimensional concepts of length, area, and volume. The study of geometry blends diagrams and other visual representations with algebraic methods. Students are also introduced to the presentation of ideas in the format of formal and informal proof. In addition to traditional lecture, the course content is developed through exploration and discovery, often through ruler and compass constructions and the use of physical manipulatives. The goals of the course include communicating relationships with new aspects of mathematical language while learning to think critically and rationally. Prerequisite: MAT 101: Algebra 1.

MAT 211: Honors Geometry

Full-year course (1 credit)

Honors

Honors Geometry is a year-long course that introduces students to geometric reasoning as a process for problem-solving. Honors Geometry includes the material studied in College Prep Geometry but requires students to develop a greater understanding of the underlying geometric concepts and algebraic techniques that support methods of solution. The Honors Geometry course assumes greater facility with algebra and it also places greater emphasis on proof and justification. In addition to traditional lecture, the course content is developed through exploration and discovery, often through ruler and compass constructions and the use of physical manipulatives. The goals of the course include communicating relationships with new aspects of mathematical language while

learning to think critically and rationally. Since this course moves at an accelerated pace, success requires independence and resourcefulness from the students. Prerequisite: MAT 101: Algebra 1 and instructor permission.

300-LEVEL COURSES

MAT 301: Algebra 2

Full-year course (1 credit)

College Prep

Algebra 2 is an intermediate algebra course intended to develop an understanding of algebra as symbolic language that we utilize to describe mathematical problems and communicate solutions. Algebra 2 begins by reviewing and extending students' command of linear equations and inequalities. The course includes an intensive study of second-degree equations and inequalities. By exploring methods of solution including factoring and the quadratic formula, students gain computational facility with quadratic expressions while also exploring related concepts such as complex numbers. Algebra 2 introduces the concept of function and underscores the importance and utility of graphical representation of quadratic functions. Additional topics in this course may include exponential equations, logarithms, right triangle trigonometry and conic sections. Throughout the course, students will work collaboratively with classmates to support broader goals of all mathematics courses at Kents Hill: actively exploring alternative methods of solution, developing the ability to communicate mathematical ideas, and reflecting critically on one's solutions and the process. Prerequisite: MAT 101.

MAT 311: Honors Algebra 2

Full-year course (1 credit)

Honors

Honors Algebra 2 is a rigorous course that includes the study of the material in College Prep Algebra 2, as well as an intensive study of second-degree equations and inequalities. By exploring methods of solution including factoring and the quadratic formula, students gain computational facility with exponents while also exploring related concepts such as complex numbers. Due to the accelerated pace of this Honors-level course, topics include polynomial functions, conic sections, and rational equations. Honors Algebra 2 places a greater emphasis on the concept of function and the importance of linking symbolic and graphical representation than the college prep-level course. Students will become proficient at using a graphing calculator and justifying their approach to problem solving. Prerequisite: MAT 101: Algebra 1 and instructor permission.

400-LEVEL COURSES

MAT 411: Statistics and Probability

Full-year course (1 credit)

College Prep

Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Major components of the course include: i) describing, displaying and interpreting data, ii) examining methods of collecting data collection with consideration of bias and randomness, iii) probability, specifically looking at the mathematical rules that govern the analysis of random events. Those three components culminate in the study of statistical inference, estimating population parameters, and testing hypotheses. The pace of this course may vary and will allow for deeper investigation of topics that interest the class and will include a larger focus on utilizing technology. Prerequisites: MAT 201: Geometry and MAT 301: Algebra 2.

MAT 421: Precalculus

Full-year course (1 credit)

College Prep

Precalculus builds on the skills students have gained in Algebra 1, Geometry, and Algebra 2 as they increase their knowledge of functions. The course begins with a thoughtful review of linear and quadratic functions to prepare students to use those concepts in an analysis of more complex functions, which include exponential and logarithmic functions. The course culminates with an intensive study of trigonometric functions. In Precalculus, students will work to communicate mathematically through words, numbers, and graphs. The course emphasizes the application of the functions as mathematical models that describe real world phenomena in order to promote mathematics as a tool for thinking critically about the real world. Prerequisites: MAT 201: Geometry and MAT 301: Algebra 2.

MAT 431: Honors Precalculus

Full-year course (1 credit)

Honors

This course utilizes the fundamental concepts and mechanical algebraic skills developed in earlier courses to study advanced algebraic concepts to support future study of calculus. The honors course presumes mastery of ideas and mechanical techniques

involved in linear and quadratic functions. Students build upon their understanding as they quickly move into the analysis of polynomial, rational, trigonometric, exponential, and logarithmic functions. Honors Precalculus underscores the importance of recognizing mathematics as a language that utilizes four registers: verbal, numerical, symbolic, and graphic. It is through the synthesis of these registers that students learn to develop and interpret mathematical models of real-world phenomena. As time permits, additional topics of study may include polar coordinates and parametric equations. Prerequisites: MAT 201 Geometry, MAT 311: Honors Algebra 2, and instructor permission.

500-LEVEL COURSES

MAT 501: Calculus

Full-year course (1 credit)

College Prep

This course is designed to be an introduction to Calculus before entering higher-level math in college. Students will incorporate both skills and knowledge from Algebra 2 and Precalculus as they build connections with new mathematical concepts of limit, derivative, and integral. This course is not driven by the external AP Curriculum, so it affords flexibility in depth and breadth of topics; thus, the rigor of the course may vary depending upon the background and needs of the students. Calculus will require students to make connections with the outside world and think critically about how each of the fundamental concepts helps them to better understand the world around them. Prerequisite: MAT 421: Precalculus and instructor permission.

MAT 521: AP Calculus (AB)

Full-year course (1 credit)

Advanced Placement

This course follows the Advanced Placement (AP) Calculus AB syllabus and introduces students to the fundamental ideas of Calculus including limits, derivatives, and integrals. The course is organized around families of function with particular attention to polynomial, exponential, logarithmic, and trigonometric functions. Topics from differential calculus include slopes of secant and tangent lines, the definition and interpretation of the derivative, description of instantaneous and related rates of change, optimization and linearization. Topics from the integral calculus include techniques of integration and utilizing integration to find area, distance, and volume. Students are required to sit the AP Exam in May. Prerequisites: MAT 431: Honors Precalculus and instructor permission.

MAT 541: AP Statistics

Full-year course (1 credit)

Advanced Placement

This course follows the Advanced Placement (AP) Statistics syllabus and introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Major components of the course include: i) describing, displaying and interpreting data, ii) examining methods of collecting data collection with consideration of bias and randomness, iii) probability, specifically looking at the mathematical rules that govern the analysis of random events. Those three components culminate in the study of statistical inference, estimating population parameters, and testing hypotheses. This course follows the Advanced Placement (AP) Statistics syllabus and therefore studies the material in greater depth than MAT 411. Additionally, this AP course assumes a greater proficiency with algebraic methods as well as an ability to work independently. A TI calculator is required. Students are required to sit the AP Exam in May. Prerequisites: MAT 311: Honors Algebra 2 or MAT 431: Honors Precalculus and instructor permission.

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