2023-2024 CURRICULUM GUIDE

Dear Students,

It is with genuine pleasure that I present Kents Hill School's **2023-2024 Curriculum Guide**. This document provides several resources that will help you begin your academic planning for 2023-2024, including an overview of our graduation requirements (which, as many of you know, have undergone several changes in recent years); information about our academic policies and special programs; and descriptions of all of the courses we intend to offer next year. Careful readers will note that a number of these courses are new (see pages 8-9), and that they underscore the creativity and dedication with which our instructors continue to approach teaching and learning. Kents Hill's faculty and administration often use the phrase "Prepared for Anything" to describe our overarching goals for students, and I hope you will agree with me that creating new courses on Environmental Science, Data Science, Comparative Government, Contemporary Global Challenges, and Drone Technologies, among other topics, brings us closer than ever to achieving that objective. Truly, our academic program is evolving in ways that allow students to immerse themselves in some of the twenty-first century's most timely and relevant questions.

I encourage you to read and discuss this Curriculum Guide with your family, friends, and advisor in the coming weeks and to let me know if you have questions. I really believe there is something here for everyone, and I hope you find our program as interesting, as innovative, and as relevant to this unique moment as I do.

Best of luck as you continue your Kents Hill journey,

Dr. Benjamin Priest

Dean of Academics

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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 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

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)
Mathematics	3 credits (including Algebra 1, Geometry, and Algebra 2 or beyond)
Science	3 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)
Tech and Engineering	2 credits
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 (1/2 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)
Mathematics	2 credits (including 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	3 credits (including 1 credit of United States History)
Tech and Engineering	2 credits
World Languages	2 credits and completion of Level 200 in one language

Total Kents Hill credits required to graduate: 15

2-Year Students

Arts	1/2 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)
Mathematics	1 credit (including Algebra 2 or beyond)
Science	1 credit (including 1 credit of a Life Science if not previously taken)
Social Studies	2 credits (including 1 credit of United States History if not previously taken)
Tech and Engineering	1 credit
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	1/2 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 (which must be United States History if not previously taken)
Tech and Engineering	1 credit (suggested but not required)
World Languages	1 credit and completion of Level 200 in one language 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 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 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 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 Friday, June 2, 2023. Proposals for Semester 2 experiences are due Friday, December 1, 2023.

Summer Homework

Some teachers of Honors, Advanced Placement, and dual-enrollment courses assign a moderate amount of summer homework to prepare students for the rigors of the year ahead. Students with summer work must complete the assignments on time to secure their places in these challenging courses. For students enrolled in Kents Hill School *before* August 1, summer work is due at the start of Registration in September. Students who enroll *after* August 1 may take until the end of our annual add/drop period (generally two weeks after the official start of classes). Finally, students who enroll *after* the semester begins will be exempt from summer assignments altogether. **Please see the course descriptions below for classes requiring summer homework.**

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.

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 and experiential learning opportunities. Options include academic exchanges with international schools, cultural explorations, linguistic excursions, and domestic travel opportunities. Our international travel destinations have included France, Spain, South Africa, and, most recently, Costa Rica. All students are encouraged to participate in these trips during their time at Kents Hill. Please note that academic exchanges are offered to sophomores and juniors only; participants are chosen based on an application process and are vetted by the Associate Head of School.

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 School is offering these courses for the first time (or the first time in a long time!) in 2023-2024. Please see the course descriptions below for more information.

VPA 321: Ceramics 2 (page 11)

VPA 254: Costume Design Basics (page 12)

VPA 264: Basic Sewing (pages 12-13)

ENG 401: Global Voices, Global Perspectives (page 14)

ENG 411: The Story and Its Writer (page 14)

SEMESTER COURSES

Kents Hill will offer several semester-length courses in 2023-2024. Please use the table below to guide your course planning.

Semester 1 Courses: Fall 2023	Semester 2 Courses: Spring 2024
VPA 202: Electronic Composition	VPA 202: Electronic Composition
VPA 234: Theater and Stagecraft	VPA 244: Music Theory
VPA 241: Photography	VPA 281: Jewelry Making and Metalsmithing
VPA 254: Costume Design Basics	VPA 264: Basic Sewing
VPA 291: Green Woodworking	VPA 311: Community Design and Build

COURSE PROSPECTUS

THE ARTS

The Art 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 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 graduate. (For changes to Kents Hill's graduation requirements, see above, pages 5-6.) Courses awarding Visual and Performing Arts credits are 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 allows students to find their creative voices and explore Kents Hill's arts offerings. The course is taught in several sections by different instructors. In each section, students are 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, students 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 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 1
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 2023 (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 281: Jewelry Making and Metalsmithing
Semester course—Spring 2024 (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 2023 (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 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 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 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
Semester course—Spring 2024 (1/2 credit)
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.

VPA 321: Ceramics 2
Full-year course (1 credit visual art)
College Prep
This year-long advanced course builds on the skills learned in Ceramics 1. The class focuses on wheel throwing as well as advanced hand building. Students develop their artist voices through self-directed projects and develop creative ideas and concepts into works of art. Students are encouraged to experiment with different strategies, including installation work, mixed-media projects, and a variety of traditional ceramic techniques. Multiple glazes, clay bodies, and firing processes are explored as well. Prerequisite: Ceramics 1. **NEW COURSE!**

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. **Please note that this course includes a moderate amount of summer homework. Students who do not complete summer work on time may forfeit their seats in the class. For more details on summer homework, see page 6.**

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. **Please note that this course includes a moderate amount of summer homework. Students who do not complete summer work on time may forfeit their seats in the class. For more details on summer homework, see page 6.**

PERFORMING ARTS

200-LEVEL COURSES

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VPA 202: Electric Composition
Semester course—Fall 2023 and Spring 2024 (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 234: Theatre and Stagecraft
Semester course— Fall 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—Spring 2024 (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.

VPA 254: Costume Design Basics
Semester course—Fall 2023 (1/2 credit)
College Prep
This semester-long course explores the relationship between costume design and the history of fashion. Students learn the basics of fashion through the decades, asking how and why fashion evolves and exploring the ways in which major changes impact the creation of theatrical costumes. The class culminates in a major collaborative project that entails working with the Kents Hill Theatre Program to prepare for the Fall Musical (a performance that may require costumes from any number of time periods). This is an informative, discussion-led course that mixes history with basic instruction in sewing and textile studies. **NEW COURSE!**

VPA 264: Basic Sewing
Semester course—Spring 2024 (1/2 credit)
College Prep
This semester-long course teaches the basics of sewing through a hands-on approach that places heavy emphasis on participation and independent work. Topics include hand sewing, threading and using the sewing machine, using the serger, and cutting and draping fabrics. Students also learn about a variety of textile types and explore aspects of design and pattern building. For their major assessment of the semester, students sew a product from beginning to end, creating a usable fashion piece that they can take with them. **NEW COURSE!**

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 201: Multicultural Literature
Full-year Course (1 credit)
College Prep
Multicultural Literature is an entry-level course that introduces students to the basics of literary analysis. Students read works of fiction, poetry, and drama, and develop original arguments based on specific details within a text. Throughout this process, students examine the core elements of fiction, such as plot, setting, character, conflict, and point of view. Students also review foundational principles of grammar and write several multi-paragraph essays. As a thematic focus, the course draws on a diverse range of authors and exposes students to work outside the Western canon. Central texts may include *Born a Crime* by Trevor Noah; *Brown Girl Dreaming* by Jacqueline Woodson; Gareth Hinds's illustrated adaptation of Shakespeare's *Romeo and Juliet*, and selections from *Sudden Flash Youth: 65 Short-Short Stories* edited by Christine Perkins-Hazuka, Tom Hazuka, and Mark Budman. Selected poets may include Maya Angelou, Langston Hughes, Pablo Neruda, Naomi Shihab Nye, and Ocean Vuong.

300-LEVEL COURSES

ENG 301: 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*, Samira Ahmed's *Internment,* George Takei's *They Called Us Enemy*, F. Scott Fitzgerald's *The Great Gatsby*, Arthur Miller's *The Crucible*, Edith Wharton's *Ethan Frome*, an introduction to America's Beat Poets, and a series of short stories.

ENG 311: Honors American Literature
Full-year Course (1 credit)
Honors
Honors American Literature is a year-long course that introduces students to a range of literary works while 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 Toni Morrison's *A Mercy*, Jhumpa Lahiri's *The Namesake*, F. Scott Fitzgerald's *The Great Gatsby*, Tara Westover's *Educated: A Memoir*, Hillary Jordan's *When She Woke*, and Nathaniel Hawthorne's *The Scarlet Letter*, among others. Prerequisite: ENG 201, an equivalent course, or instructor permission.

400-LEVEL COURSES

ENG 401: Global Voices, Global Perspectives
Full-year Course (1 credit)
College Prep
Global Voices, Global Perspectives is a year-long course that introduces students to writers, artists, and thought leaders from around the world who are speaking about contemporary issues that transcend geographical borders. Through a diverse range of perspectives, we engage with these voices as mirrors to better understand our own experiences and as windows to investigate the world around us. The course focuses on developing critical skills of reading, writing, thinking, questioning, and engaging in dialogue; seeks to develop 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. Potential texts include Chinua Achebe's *Things Fall Apart*, Marjane Satrapi's *Persepolis*, Julia Alvarez's *How The Garcia Girls Lost Their Accents*, and a variety of short stories and poetry. **NEW COURSE!**

ENG 411: The Story and Its Writer
Full-year Course (1 credit)
College Prep
This yearlong course explores the definition of "story," asks who tells stories, and examines how stories are told. Stories are often exciting blends of multiple forms, perspectives, and voices, and this course presents a diverse selection of titles, authors, genres, and topics. Through an investigation of not just *what* stories mean but *how* they mean, students will read, analyze, and evaluate short tales, flash fiction, flash nonfiction, poetry in a variety of forms, drama, and graphic storytelling. Units will be arranged topically and will involve student inquiry into questions circulating such themes as redemption, survival, love, and forgiveness, among others. Writing projects will range from literary analysis and expository writing to more creative options, and will focus on both new and recursive writing, reading, grammar, and vocabulary skills. Featured authors may include but are not limited to Richard Bausch, Aimee Bender, George Saunders, Charles Chesnutt, Kristen Roupenian, Richard Ford, Anton Chekhov, Patricia O'Donnell, Ha Jin, James Davis May, and Jhumpa Lahiri, among others. **NEW COURSE!**

ENG 421: College Preparatory Writing
Full-year Course (1 credit)
College Prep
This year-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. Students will draw from personal experiences, interviews, popular media, podcasts, essays, and research to complete multimodal writing pieces. Prerequisite: ENG 301 or an equivalent 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 excerpts from *The Art of Memoir* by Mary Karr, *Why Poetry* by Matthew Zapruder, and *The Truth of the Matter* by Dinty Moore. Other authors of study may include Stephen King, Elizabeth Cooke, Pamela Painter, Patricia Hampl, Annie Dillard, Lucy Grealy, Cristin O'Keefe Aptowicz, Joyce Carol Oates, Marcus Jackson, William Maxwell, Ted Kooser, and Carolyn Forche, among others. Prerequisite: ENG 401, an equivalent course, or instructor permission.

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. Prerequisite: ENG 401, an equivalent course, or instructor permission. **Please note that this course includes a moderate amount of summer homework. Students who do not complete summer work on time may forfeit their seats in the class. For more details on summer homework, see page 6.**

ENG 521: AP 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 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: ENG 401, an equivalent course, or instructor permission. **Please note that this course includes a moderate amount of summer homework. Students who do not complete summer work on time may forfeit their seats in the class. For more details on summer homework, see page 6.**

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.

Kents Hill students are required to complete at least three years of mathematics including Algebra 1, Geometry, and Algebra 2. As most selective colleges require four years of math, the Math Department and College Counselling recommend completing a fourth year. While students may choose to "double up" in mathematics after completing a 300-level class, they can only do this if one of the courses is either Statistics or AP Statistics and one other 400-level course or higher. Please note that students are not permitted to take a course and its prerequisite concurrently. All mathematics students are required to have a TI-84 graphing calculator.

ACADEMIC PROGRESS IN MATH

For the required courses Algebra 1, Geometry, and Algebra 2, students must earn a grade of C- or higher in the second semester to be automatically promoted to the next course in the sequence. Students who earn a grade below C- in the second semester may be asked to take a placement exam before the start of the next year to demonstrate mastery of the material. For elective courses (which include all classes at the 400 level or higher), students who earn a B or higher in the second semester of their current math course will be promoted to the next class in their sequence. The exception to this is that students earning a C+ or above in the second semester of Algebra 2 or Precalculus may enroll in Statistics.

In order to transition into the Honors/AP math sequence, students must earn an A- or higher in the second semester of their current College Prep math course, get the permission of the Math Department Chair, and successfully complete the summer work packet for the course they are looking to enroll in. (Please note that students may need to learn some material on their own over the summer to complete the summer work packet.) Students who earn below a B in the second semester of an Honors/AP sequence course may only enroll in the College Prep or Statistics sequence course of the next level. Students who earn below a C in the second semester of an elective Honors course must obtain departmental approval to enroll in the next-level College Prep or Statistics course.

100-LEVEL COURSES

MAT 111: Algebra 1
Full-year course (1 credit)
College Prep
Algebra 1 is a year-long course that provides the foundation for further study in high school mathematics. Focusing on early computational fluency, Algebra 1 emphasizes the habits of mind that promote success in mastering the skills and concepts in this course and in future mathematics courses. After they have developed conceptual mastery, students will do an in-depth study of linear functions, and conclude the course with an introduction to radical, absolute value, and polynomial functions. Students will also be introduced to the TI-84 graphing calculator with a special focus on linear regression and graphical analysis. 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 discussions and presentations.

200-LEVEL COURSES

MAT 211: Geometry
Full-year course (1 credit)
College Prep
Geometry is a year-long course that introduces students to geometric reasoning as a process for problem-solving. This course explores topics including triangle congruency and similarity, properties of circles and convex polygons, and 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 proofs. Prerequisite: Algebra 1.

MAT 221: Honors Geometry
Full-year course (1 credit)
Honors
Honors Geometry is a year-long course intended to prepare students to take Honors Algebra 2 as their next math class. The course introduces students to geometric reasoning as a process for problem-solving. Honors Geometry includes the material studied in College Prep Geometry and requires students to develop a greater understanding of the underlying geometric concepts and algebraic techniques that support such 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. Because this course moves at an accelerated pace, success requires independence and resourcefulness from the students. Prerequisite: Algebra 1 and departmental approval.

300-LEVEL COURSES

MAT 311: Algebra 2
Full-year course (1 credit)
College Prep
Algebra 2 is intended to develop an understanding of algebra as a symbolic language. The Course begins by reviewing and extending students' command of linear equations and inequalities. The course includes an intensive study of second-degree polynomial 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. Algebra 2 builds on the understanding of functions and underscores the importance and utility of graphical representation of quadratic functions. Additional topics in this course include an introduction to exponential and logarithmic functions. Students will use the TI-84 graphing calculator to deepen their understanding of the material through complex numerical and graphical analysis. Prerequisite: Geometry or Honors Geometry.

MAT 321: Honors Algebra 2
Full-year course (1 credit)
Honors
Honors Algebra 2 is a rigorous course intended to prepare students to enroll in AP Precalculus as their next math course. The foundation of this course is the material from College Prep Algebra II, but the concepts are covered in more depth and at a significantly accelerated pace. Along with an extensive study of quadratics, this course covers higher-order polynomial, exponential, logarithmic, rational, piecewise, and radical functions. Students will use the TI-84 to deepen their understanding of the material through complex numerical and graphical analysis. Honors Algebra 2 places a greater emphasis on the concept of functions and the importance of linking symbolic and graphical representations than the college prep course. Prerequisite: Honors Geometry or Geometry and departmental approval. **Please note that this course includes a moderate amount of summer homework. Students who do not complete summer work on time may forfeit their seats in the class. For more details on summer homework, see page 6.**

400-LEVEL COURSES

MAT 411: Precalculus
Full-year course (1 credit)
College Prep
Precalculus builds on the skills students have gained in their prior math courses 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 exponential and logarithmic functions. The course culminates with an intensive study of trigonometry. In Precalculus, students will work to communicate mathematically through words, numbers, and graphs. The course emphasizes the application of functions as mathematical models that describe real word phenomena in order to promote mathematics as a tool for thinking critically about the real world. Prerequisites: Algebra 2 or Honors Algebra 2.

MAT 413: 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. The major components of the course are: describing, displaying and interpreting data, examining methods of collecting data with consideration of bias, randomness, and 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. Students will use the TI-84 graphing calculator extensively for creating visual and numerical summaries of data and conducting many of the inference procedures. Prerequisites: Algebra 2 or Precalculus.

500-LEVEL COURSES

MAT 501: AP Precalculus
Full-year course (1 credit)
Advanced Placement
This course is designed for students who are interested in taking AP Calculus AB or college calculus the following school year. This course follows the Advanced Placement (AP) Precalculus syllabus and introduces students to the fundamental ideas of Precalculus including polynomial, rational, exponential, and logarithmic functions. Students will also expand their knowledge with a substantial study of trigonometric and polar functions. Students are required to sit for the AP Exam in May. Prerequisites: Honors Algebra 2 or

Precalculus and departmental approval. **Please note that this course includes a moderate amount of summer homework. Students who do not complete summer work on time may forfeit their seats in the class. For more details on summer homework, see page 6.** **NEW COURSE!**

MAT 511: Calculus
Full-year course (1 credit)
College Prep
This course is designed as 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 limits, derivatives, and integrals. Because this course is not driven by the external AP Curriculum, this class 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 allow 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: AP Precalculus or Precalculus and departmental approval.

MAT 513: 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. The major components of the course are: describing, displaying, and interpreting data, examining methods of collecting data collection with consideration of bias and randomness, and 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. Students will use the TI-84 extensively for creating visual and numerical summaries of data and conducting many of the inference procedures. Students are required to sit for the AP Exam in May. Prerequisites: Honors Algebra 2, AP Precalculus, or Precalculus and departmental approval.

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 functions 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, describing instantaneous and related rates of change, optimization, and linearization. Topics from integral calculus include techniques of integration and utilizing integration to find area, distance, and volume. Students are required to sit for the AP Exam in May. Prerequisites: AP Precalculus or Precalculus and departmental approval. **Please note that this course includes a moderate amount of summer homework. Students who do not complete summer work on time may forfeit their seats in the class. For more details on summer homework, see page 6.**

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 complete laboratory experiments, give class presentations, develop scientific writing skills, apply course content to real-world questions, design products, and develop opinions regarding scientific ethics. Each student must take at least three credits of Science to graduate, and those 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, see above, pages 5-6.) Kents Hill offers Science courses at the 200-500 levels.

200-LEVEL COURSES

SCI 201: Biology
Full-year course (1 credit)
College Prep
This hands-on course focuses on using labs and activities for students to construct their own understanding of topics in Biology. Topics will include experimental design, classification of organisms, evolution, energy transfer in ecosystems, cell structure and function, growth and reproduction, and genetics. Skills such as graphing, execution of labs, and critically assessing data for trends will all be addressed. Students will often explain their findings using mini-presentations.

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. The goal of the class is to prepare students for honors and AP-level science courses, including AP Biology. This hands-on course focuses on using labs and activities for students to construct their own understanding of topics in Biology. Topics will include experimental design, classification of organisms, evolution, energy transfer in ecosystems, cell structure and function, growth and reproduction, and genetics. Skills such as graphing, execution of labs, and critically assessing data for trends will all be addressed. Students will often explain their findings using mini-presentations.

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 encourages students to be grounded in Maine but connected to the world. Students learn about the environment in the forest and fields surrounding Kents Hill. They spend time learning about Maine's forest ecosystem and agricultural economy, and engage in a community project to better understand their relationship to food production. When spring arrives, they explore plants' seasonal transitions and learn to identify wildflowers and explain their environmental role. Students also explore the relationship between small amounts of water in the forest and the rest of the ecosystem through the identification, exploration, and measurement of vernal pools.

400-LEVEL COURSES

SCI 401: Environmental Science
Full-year course (1 credit)
College Prep
Environmental Science is an interdisciplinary course that introduces students to the scientific principles, concepts, and methodologies required to understand interrelationships in the natural world. The course explores such topics as biology, chemistry, geology, and geography, and it requires students to identify and analyze natural and human-made environmental problems, evaluate

the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. **NEW COURSE!**

SCI 411: Human Anatomy and Physiology
Full-year course (1 credit)
College Prep
Human Anatomy and Physiology explores the inner workings of the human body and focuses on anatomical, physiological, genetic abnormalities and the pathological effects on the human body. Healthcare, medical terminology and current biotechnological advancements are also introduced through inquiry-based activities and laboratory investigations. Online (free) Openstax is your resource and facilitates a smooth transition for students pursuing a postsecondary education in the sciences. Students will round out the second semester with a dissection unit where they observe structures closely analogous to the human body in a preserved adult cat. This dissection will focus on our primary units of study for the semester. Students will dissect, observe, and have hands-on experience seeing what these systems look like in an actual specimen. Prerequisites: Biology and Chemistry." **NEW COURSE!**

SCI 431: Introduction to Forensic Science
Full-year course (1 credit)
College Prep
Introduction to Forensic Science is an interdisciplinary course that examines the application of scientific processes within the criminal justice system. In the course, students will learn to evaluate physical evidence utilizing the principles of biology, chemistry, physics, and earth science. Currently, we have immense exposure to forensics in the media on television shows, podcasts, and in movies, and students have an opportunity to differentiate actual techniques from those portrayed in fiction. They will deepen their critical thinking and analytical skills to understand some of the limitations of the law, police, and forensic science. Students will examine scientific techniques behind the analysis of physical and eyewitness evidence, toxicology, DNA fingerprinting, fire and explosives, hair and fibers, and other relevant pieces of evidence. Throughout the course, students investigate simulated crime and accident scenes, collect and analyze evidence, and develop observation skills and deductive reasoning. Prerequisites: Biology and Chemistry. **NEW COURSE!**

500-LEVEL COURSES

SCI 501: AP Biology
Full-year course (1 credit)
Advanced Placement
AP Biology is aligned with College Board standards. Students will be expected to remember fundamental content from their previous biology class. A greater emphasis is placed on laboratory procedures and the presentation of lab findings to the class. 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. Topics to be covered include: the Chemistry of Life, Cell Structure and Function, Cellular Energetics, the Cell Cycle and Communication, Heredity, Gene Expression and Regulation, Natural Selection, and Ecology. Prerequisites: Honors Biology, Chemistry, and departmental approval. Students are required to take the AP Exam and pay the accompanying fee. **Please note that this course includes a moderate amount of summer homework. Students who do not complete summer work on time may forfeit their seats in the class. For more details on summer homework, see page 6.**

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. **Please note that this course includes a moderate amount of summer homework. Students who do not complete summer work on time may forfeit their seats in the class. For more details on summer homework, see page 6.**

SCI 531: AP Physics 1: Algebra-Based
Full-year course (1 credit)
Advanced Placement

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, and torque and rotational motion. Students are required to take the AP Exam and pay the accompanying fee. Pre-requisites: Precalculus (may be taken concurrently) and teacher recommendation. **NEW COURSE!**

SCI 541: An Introduction to Data Science
Full-year course (1 credit)
This advanced course explores the complex but hugely important world of data science. Students will take a deep dive into how working scientists collect, manage, and analyze massive data sets as they attempt to answer the big questions in modern science. Topics will include writing Python code, exploring how scientists communicate results to peers and the public, and applying statistical analysis to evaluate means, standard deviations, and errors. Prerequisites: Statistics and Probability or instructor permission. **NEW COURSE!**

600-LEVEL COURSES

SCI 631: College Environmental Science
Full-year course (1 credit)
Dual-Enrollment
The goals of this college-level science course are to provide students with the skills and knowledge to understand the interrelationships of the natural world and to 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 local and global perspectives: the interdependence of the 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 assessments plus a cumulative portfolio of their classroom, laboratory, and field work. Prerequisites: Instructor permission required. Students who successfully complete this course will receive college credit. Additional course fees apply. **NEW COURSE!**

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 the junior and senior years. (For changes to Kents Hill's graduation requirements for the Class of 2024 and beyond, see above, pages 5-6.) The Social Studies Department offers courses in the 200-600 levels.

200-LEVEL COURSES

SOC 201: Global Studies Seminar
Full-year course (1 credit)
College Prep
This course begins with a focus on some of the major political, economic, and social principles and systems that have shaped and organized the global community over time. Grounding their study in both history and current events, students will develop their own fictional country and form a global community in miniature, before exploring broad phenomena (conflict, migration, environmental change, cultural diffusion, epidemics, and disruptive technologies) 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.

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 461: Comparative Government
Full-year course (1 credit)
College Prep
This course will introduce students to comparative politics emphasizing the study of the political institutions, identities, and organized interests in countries around the world. Students will learn to make meaningful comparisons between systems in countries with different histories, political systems, and from various regions. They will examine questions about democracies and democratization, electoral systems and political parties, authoritarian regimes, political mobilization and change, economic development and globalization, nationalism and identity politics, among other topics. The comparative method of the course offers a unique way for expanding student understanding of social and political phenomena. Prerequisite: U.S. History. **NEW COURSE!**

SOC 471: Contemporary Global Challenges
Full-year course (1 credit)
College Prep
This full-year elective explores complex contemporary issues and considers the challenges and opportunities that they present to the global community. Each year, the class will focus on three broad topics, ranging from such issues as forced migration, international human rights, and sub-state nationalism, to disruptive technologies, political participation and process, boundary and resource conflicts, and climate change. The course will prepare students to navigate, analyze, and critique the world through political, economic, and social lenses, articulate global knowledge and perspective with confidence and balance, and find meaningful and relevant connections between global studies and other areas of intellectual or personal endeavor as a more informed "global citizen". Throughout the fourth quarter, students will engage in scholarly research, analysis, collaboration, and presentation to select the next three topics to be covered in the course the following year. **NEW COURSE!**

500-LEVEL COURSES

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. **Please note that this course includes a moderate amount of summer homework. Students who do not complete summer work on time may forfeit their seats in the class. For more details on summer homework, see page 6.**

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. **Please note that this course includes a moderate amount of summer homework. Students who do not complete summer work on time may forfeit their seats in the class. For more details on summer homework, see page 6.**

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, as well as budgeting, credit/debt, saving, spending, market trends, insurance, and student loans. This course will focus on all aspects of personal finance and how decisions regarding money throughout a person's life affect long-term investments, wealth building, and planning for the future. Students will acquire knowledge of 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.

SOC 621: Principles of Leadership
Full-year course (1 credit)
Dual-Enrollment
Leadership, according to Robbins & Judge, is the "ability to influence a group toward the achievement of goals". Leaders in the 21st century face an unprecedented mixture of challenges, from environmental and climate changes to evolving economic systems and technological advances (AI). Theories about leadership are as numerous as there are examples of great leaders, yet the 21st century Leader must possess a wider range of skills than their predecessors: these include a flexible mindset that embraces growth and understands change, a strong understanding of human motivations and behavior, the ability to synthesize information and make informed decisions, as well as possess high emotional intelligence (EQ). This course will introduce students to leadership theory as well as give them the opportunity to practice those skills that are fundamental to successful leadership. We will explore leadership in a variety of contexts: in institutions (businesses, schools), during conflict (military, government), and in society (social change). We will also examine leadership in the face of globalization and weigh the varying cultural influences on leadership around the world. Students will conclude this course with a capstone project in which they identify an institutional or societal issue, prepare a plan to address it, and successfully engage the relevant stakeholders in accomplishing that goal. Prerequisites: Instructor permission required. Students who successfully complete this course will receive college credit. Additional course fees apply. **NEW COURSE!**

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 interest students considering Technology and Engineering concentrations in college. All TE courses combine instruction in essential concepts and technical skills with opportunities to think critically about social and ethical issues. Courses also include Project-Based Learning

components that allow students to apply their knowledge to real-world problems. Students in the Class of 2025 and beyond must complete two credits of Technology and Engineering to graduate from Kents Hill. (For more changes to Kents Hill's graduation requirements, see above, pages 5-6.) 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 the LEGO Mindstorms EV3 and the VEX IQ platforms throughout the year. The course focuses on robotics technologies and 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 and will complete challenges related to multiple sensors and coding functions. Students will reflect on the future moral and career implications of integrating society and technology. Prerequisites: Algebra 1(may be taken concurrently).

200-LEVEL COURSES

TE 221: Computer Science Principles
Full-year course (1 credit)
College Prep
Computer Science Principles offers an extensive understanding of computer science fundamentals and the far-reaching impact of computing and technology on present and future society. The curriculum is designed to go beyond coding and delves into various foundational concepts in modern computing across multiple platforms. The course begins by familiarizing students with the general jargon and progresses toward application development. Additionally, the course facilitates students in reflecting upon the potential career paths that technology can offer them. It discusses the employment industry, economic impact, and ethical ramifications of big data and the extensive use of robotics in the workforce, leaving students with a well-rounded understanding of the subject matter.

TE 231: An Introduction to Digital Media
Full-year course (1 credit)
College Prep
Intended for students who want to explore the ever-expanding world of commercial art, logo design, photo manipulation, and new media, this two-course series, Digital Media, combines art and design principles with the digital tools of Adobe Photoshop and Illustrator. The essential 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, digital photographs are manipulated with Photoshop to create expressive artwork. In the second semester, students design using Adobe Illustrator as a creative tool to create posters, logos, T-shirts, tri-folds, and other products.

TE 241: An Introduction to Drone Technologies
Full-year course (1 credit)
College Prep
Drone Technologies gives students an in-depth understanding of drones and their safe and effective usage. Divided into seven units, each covering different aspects of drone technology, flying techniques, and their applications, the class aims to give students a comprehensive understanding of drones, their capabilities and limitations, and best practices for flying them safely and legally. Students will develop skills in basic drone flying techniques, camera settings, framing and editing shots, and maintenance of drones. They will also develop their creativity and reflect on the impact of drones on society and the environment. **NEW COURSE!**

300-LEVEL COURSES

TE 311: Introduction to Computer-Aided Design
Full-year course (1 credit)
College Prep
Computer-Aided Design (CAD) covers using modern design software to produce two and three-dimensional drawings for production and manufacturing applications. The class covers coordinate systems, proper dimensioning, manufacturing, machining, and collaborative engineering techniques. Students progress from working on simple individual designs to team designing and building projects chosen to meet an application challenge presented by the instructor. The project-based curriculum culminates in a

student-led Capstone project. Students will assess and reflect on computer-aided design and manufacturing techniques' impact on society and the traditional workforce.

TE 321: Architectural Design
Full-year course (1 credit)
College Prep
While working through the design process, students will examine and experiment with concepts essential to architecture. The course covers architectural programming, flow, composition, proportion, rhythm, and ergonomics. Practical and poetic concerns will be addressed; the relationship of the human body to built space and a built space's relationship to its site, and how these may compare and contrast across building typologies like domestic, institutional, and spiritual spaces. Students will iterate programmatic diagrams, perform site measuring and modeling, and produce massing sketches while generating digital and physical models of their creations and essential construction documents using Computer-Aided Design. While examining their proclivity for architectural design and realization, students will reflect on the ethical need for and technologies' possible ability to provide affordable housing in America. Prerequisites: Algebra 1(may be taken concurrently). **NEW COURSE!**

400-LEVEL COURSES

TE 411: 3D Digital Sculpture
Full-year course (1 credit)
College Prep
In today's gaming, cinema, and animation industries, the design process is primarily dominated by digital modelers specializing in creating characters, creatures, and environments. 3D Digital Sculpture, unlike architectural and mechanical modeling, prioritizes organic and dynamic design elements. This course teaches students to observe proportion, shape language, and other visual elements to develop unique characters, creatures, and organic environmental factors. Students will utilize software sculpting and modeling techniques to produce images and 3D-printed models. Additionally, they will reflect on the growing role that digital technology plays in fostering human creativity and explore their creative potential in artistic design and expression. Pre-requisites: Algebra 1. **NEW COURSE!**

TE 421: Physics and Engineering Fundamentals
Full-year course (1 credit)
College Prep
In this physics course, students will explore how engineers use physics to design projects and solve word problems. The class exposes students to three engineering disciplines (mechanical engineering, civil engineering, and electrical engineering). At the same time, they learn about the physics concepts of motion, forces, electricity, circuits, energy, and sound. This project-based learning course will involve learning physics concepts and laws needed to complete a significant design project that will culminate in each unit and utilize lab activities to strengthen knowledge and science skills. One of the PBL projects will include visiting Texas Instruments in Portland, allowing students to explore potential job opportunities as electrical engineers. In addition to PBL, this course will utilize the following 4-D curriculum learning principles: reflection, creativity, collaboration, and character. The class incorporates these principles using the engineering process while working on PBL projects. Pre-requisites: Algebra 2 (can be taken concurrently).

TE 431: Advanced Engineering and Robotics
Full-year course (1 credit)
College Prep
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. The course is designed for students with a strong interest in robotics and engineering who possess the necessary technical skills to excel in the program. Students will have access to and should have familiarity and comfort with the maker space, wood shop equipment, and basic software manipulation. Based on Carnegie Mellon's Mechanical Foundations, Electrical Foundations, Fabrication Foundations, Robotics Integration, and Software Foundations Courses, the curriculum integrates shop, computer, and robotics skills. In this rigorous, fast-paced course, students will gain a high understanding of engineering practices, robotic structures, and software interfaces. In addition to our work in the lab, students will consider the moral and ethical requirement and responsibility of industrial and governmental use of technology to address our time's environmental and social equity issues. Students will represent the school on the First Robotics Competition team. Prerequisites: Algebra 1 and one of the following courses: Introduction to Robotics, Computer Science Principles, or Introduction to Computer-Aided Design.

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 100-300 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.

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.