

NEW COURSES 2026-2027

Business and Entrepreneurship

TKA introduced a new department and course of study in 2024-2025. As promised, we continued to add new courses to support students interested in business and entrepreneurship.

Entrepreneurship Practicum

Year

10-12

In this hands-on course, students will have the unique opportunity to dive into the world of small business management. With the help of the instructor, students will brainstorm realistic and executable business ideas, develop a comprehensive business plan, and execute their idea and try to run a successful business. Students will actively participate in managing all facets of the business as they bring their business ideas to life. They will develop essential skills in project management, business development, operations/inventory management, sales, marketing, finance/accounting, leadership, customer service, and teamwork. This course challenges students to engage in critical thinking, creativity, and practical problem-solving. Through collaboration and effective communication, students will acquire the tools and confidence to thrive in real-world business environments.

Prerequisites: Completion of both Intro to Business Part 1 and Intro to Business Part 2 with a grade of B or higher in each class.

Business Finance

Semester

10-12

This course is designed to provide students with the experience to apply the practical mathematical skills they have learned in school. The course covers business finances including production, purchasing, marketing, accounting, and financial management. This course will count toward Math credit when taken in succession with Personal Finance.

Prerequisites: Completion of Geometry.

English

TKA is introducing Senior Seminars, which are semester-long English classes with a specific literary or literacy focus. Seniors will register for two different seminars to receive a year of English credit. English electives do not meet the English requirement.

The Psychological Novel

Semester

12

This course explores the rich literary tradition of the psychological novel, a genre in which the interior experiences of characters—their thoughts, emotions, and motivations—drive the narrative. Students will examine how authors use a variety of narrative techniques to explore the complexities of human consciousness, morality, and identity. Ultimately, students will explore how the nature of the human mind reflects the image of God. Through close reading, discussion, and critical writing, students will analyze how novels represent and interrogate the human psyche. Students will practice reading a wide array of literature (poems, short stories, and novels) as well as writing a variety of essays. They will also analyze how the human mind is represented through Literature and the Bible, leading to analysis of their own consciousness and its place in the world.

Communications for College, Community, Career and Beyond

Semester

12

This course provides a comprehensive overview of communication theories and skills essential for success in higher education, the workplace, and life. Through a combination of theory and hands-on practice, students will learn to adapt communication strategies for diverse audiences and situations, improve their interpersonal and public communication abilities, and develop the ethical standards necessary for responsible communication.

NEW COURSES (CONT'D)

Technology, Power, and the Dystopian Imagination	Semester	12
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This course explores the power and purpose of dystopian science fiction as both a mirror and a critique of society. Students will examine how the science fiction and dystopian genres engage with questions of identity, freedom, technology, morality, and the future of humanity. The course encourages students to analyze literary elements such as characterization, narrative structure, and thematic development while also considering the historical and philosophical contexts in which these works were written. In addition to close reading, students will engage in discussions, write analytical essays, complete creative projects, and conduct research to deepen their understanding of how dystopian literature warns, challenges, and sometimes inspires. By the end of the course, students will not only have sharpened their critical thinking and writing skills but also gained insight into the ethical and societal dilemmas posed by artificial intelligence, surveillance, authoritarianism, and the commodification of human life.

Math

Foundations of Algebra	Year	9-10
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A math course for high school students that precedes Algebra 1, covering the foundational concepts of algebra. Topics included are number sense, order of operations, multi-step equations, linear equations, functions, radicals, integer exponents, scientific notation, unit conversions, congruent and similar figures, angle relationships, data analysis, volumes of solids, and applications of the Pythagorean Theorem.

Personal Finance	Semester	10-12
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This course is designed to give students experience with practical applications of the math skills they have learned in school. The emphasis is on application to their lives now and to their future financial decisions. The class covers personal finances including calculating income, accounts and credit card interest, loan payments, auto and housing costs, investments, and giving.

Prerequisites: Completion of Geometry.

Linear Algebra	Year	11-12
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This course explores the fundamental concepts and applications of linear algebra, a cornerstone of advanced mathematics. Students will study matrix algebra: inverses, determinants, and systems of linear equations, while developing a deeper understanding of vectors, vector spaces, bases, and linear transformations in real coordinate spaces of n dimensions. Additional topics include eigenvalues, eigenvectors, and diagonalization, as well as an introduction to inner products and orthogonality. Emphasis is placed on both theoretical understanding and practical applications of linear algebra in mathematics.

Prerequisites: Completion of AP Precalculus with an A or higher or AP Calculus AB.

Science

Anatomy & Physiology Honors	Year	11-12
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This class is designed to give juniors and seniors a look at God's most fascinating creation, the human body. The course is designed to cover many areas including: anatomy - the study of the form or structure of body parts and how these relate to one another; physiology - the study of the functioning of the body's structural machinery, how the parts of the body work and carry out their life-sustaining activities; emerging discoveries in genetic engineering; techniques for detecting and treating disease; and ways to stay healthy. In addition to classroom lectures and discussions, the course will rely on laboratory dissections to observe anatomical structures and feature guest speakers from various disciplines to help students make connections between the content they are learning in class and real-world applications.

Prerequisites: Completion of Biology and Chemistry, with at least one at an honors-level i.e. either Chemistry Honors or Biology Honors.

NEW COURSES (CONT'D)

Biotechnology

Year

11-12

This laboratory/lecture elective course is designed to introduce high school students to the practical world of biotechnology from a Christian worldview. Students will be introduced to the molecular basis of life, including recombinant DNA and genetic engineering, as well as analytical techniques for analyzing biomolecules such as SDS-PAGE, PCR, and blotting. Additionally, they will explore contemporary applications of biotechnology principles in medicine and biopharmaceuticals. Throughout, an emphasis will be placed on green / sustainability chemistry principles, applications in biomedicine/biotechnology, and the bioethical implications of modern advances in biotechnology. Finally, this is a laboratory-heavy course, where an emphasis is placed on hands-on learning and student learning outcomes in acquiring skills in modern chemical and biochemical techniques.

Prerequisites: Completion of Biology and Chemistry, with at least one at an honors-level i.e. either Chemistry Honors or Biology Honors.

Visual Performing Arts

Art:

Ceramics JH

Semester

6-8

Various techniques of hand-built ceramic pottery and sculpture will be the emphasis of this one-semester class. Basic glazing and firing skills will be learned. Students will have at least two major hand-built ceramic assignments, with the opportunity to create and complete additional advanced ceramic assignments as time permits.

Intermediate Art

Year

10-12

This class gives students the opportunity to continue to practice their skills and develop their individual artist's voice. They understand the elements and principles of Art and Design and have a basic understanding on how to use a variety of drawing and painting media when entering the course. In the course students will work towards advancing technical drawing skills through detailed rendering of forms, advanced perspective drawing, figure drawing and portraiture. They will work towards advancing technical painting skills through practice in watercolor, acrylic and oil painting of still lifes, portraiture, and conceptual based painting.

Prerequisite: Completion of Discovering Art – JH/HS or equivalent.

AP 3-D Art and Design

Year

10-12

In the AP 3-D Art and Design course, students create a portfolio of work to demonstrate their inquiry through art and design, as well as the development of materials, processes, and ideas over the course of a year. Portfolios include three-dimensional works of art and design, process documentation, and written information about the presented work. In May, students submit portfolios to College Board for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions.

Prerequisites: (1) Completion of Ceramics or another 3-D Art class equivalent, (2) submission of an AP Application, (3) submission of a portfolio, and (4) teacher and AP Committee approval.

AP Drawing

Year

10-12

In AP Drawing, students create a body of work over the course of a year to demonstrate inquiry through their art, as well as the development of materials, processes, and ideas. They also demonstrate drawing skills through various media, including painting, drawing, sequential art, printmaking, illustration, fibers, and others. Portfolios include works of art, process documentation, and written information about the work presented. In May, students submit their portfolios to College Board for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and the development of a sustained investigation through practice, experimentation, and revision, guided by questions.

Prerequisites: (1) Completion of Discovering Art-HS, Intermediate Art or evidence of a valid equivalent, (2) submission of an AP Application, (3) submission of a portfolio, and (4) teacher and AP Committee approval.

NEW COURSES (CONT'D)

Theater:

Musical Theater

Semester

7-12

This course gives students the opportunity to explore a wide range of musical theater repertoire, from classics such as *The Sound of Music* to contemporary hits like *Hamilton*. Unlike traditional choir, this class focuses on the specialized vocal style of musical theater, providing students with targeted training and performance opportunities in solo, duet, trio, and ensemble singing. Students also learn choreography to enhance stage presence, movement, and character performance. Instruction includes harmony and ensemble blending, song blocking, acting techniques, and individualized one-on-one vocal coaching tailored to musical theater.

Theater Stagecraft

Semester

8-12

This course provides a hands-on exploration of the visual and tactile elements that bring theatrical productions to life. Students will design and construct props, furniture, and costumes, applying craftsmanship and creativity to real productions throughout the year. Emphasis is placed on design process, collaboration, and technical execution within a production setting.

Music:

Knightshine Leadership

Year

10-12

Knightshine leadership is an honors-level class, as students develop their musical and leadership skills. Leadership roles include: section leaders, dance captains, KS president, assistant conductors, and the pianists. As leaders, students will be expected to model Christ-like character, not only by fulfilling the technical demands of their musical and performance roles but also by nurturing a positive and supportive environment for their sections and the entire choir. These leaders not only will assist other singers with their musical journey, but they will also hone their own musical skills and pursue excellence in their own musicianship.

Prerequisites: (1) Completion of a full year of Knightshine with an A or higher, and (2) be in good academic standing at TKA. Admissions by application.

Note: Leaders will need to attend lunch and/or after-school meetings as needed for performance preparations.