ART DEPARTMENT

FRESHMEN ART HISTORY - AHS21
Art history is a one year survey course taken in combination with a foundation design designed to introduce students to western and non-western art from prehistoric times to the present day. Students will analyze imagery from a variety of cultures, times, and artists for formal properties, function, content, and context.

FRESHMEN DESIGN FOUNDATION
The Design Foundation course is a fundamental program that exposes freshman students to the basics of art production, and exposes them to the various other disciplines with an emphasis on illustration. Students are offered a comprehensive approach to understanding the principle and elements of art and design. Further, the objective of this fundamental program is to strengthen the students’ visual acuity and to enhance conceptual thinking.

Sophomore Art History - AHS24
Sophomore Art History is a one year comprehensive course which primarily focuses on the fundamentals of the arts by examining works from different cultures and periods. The course is designed to provide students with a broad understanding of the history of art, including its social and cultural context.

Sophomore Art History - AHS25
Sophomore Art History is a one year comprehensive course which primarily focuses on the fundamentals of the arts by examining works from different cultures and periods. The course is designed to provide students with a broad understanding of the history of art, including its social and cultural context.

ANIMATION
ANIMATION I: SOPHOMORES AGQ58T
The first part of the year is spent on concept and designing characters for an animation studio environment. The second semester is geared toward an introduction and implementation of the 12 principles of animation in Adobe Animate.

ANIMATION II: JUNIORS AGQ585
This year is focused on what makes a compelling story. We dissect classics and create stories using the hero’s journey and act structure. Students develop their understanding of animation and the production and part animation and learn to create short animations of their own.

ANIMATION III: SENIORS AGQ57
The goal of this year is to teach students to balance motion, graphics artists in After Effects. This focus is a culmination of all the previous years and gives students professional level After Effects skills to work in industry/internships. College Prep is emphasized along with large scale personal projects and contests.

ARCHITECTURE
ARCHITECTURE DESIGN - SOPHOMORE ARKS83T
Introduction to Architecture & Interior Design in Residential Buildings
Architectural Design Studio level I is a one-semester course that gives insight into how designers think and work, and the proper way to hand draft they learn the process of developing architectural construction documents, which include floor plans, elevations, sections, interior design and 3D modeling. We begin with observation drawings through pen & ink vignettes of architectural drawings of buildings, how they work in industry.

ARCHITECTURE DESIGN - JUNIORS ARKT85
Ordering Principles and Formal Systems with the Design of Public Buildings
By junior year students investigate ordering principles and how they relate to architecture and design as well as learning about design trends and how they influence all other disciplines. The second unit is the study of Ordering Principles of Architecture, to understand how buildings and plans are assembled and designed in the city. The third unit is the study of the classical order of columns while designing a colonnade for a landscape or building. The fourth unit is the study of site planning. Students work on analyzing the architectural design of a building.

CARTOONING
CARTOONING I and II - SOPHOMORES AZS83T-01
During the sophomore year, students build upon and relate their prior knowledge from their foundation classes to cartooning since cartooning is about taking the realistic and exaggerating it with their imagination. Students learn critical skills such as character design, traditional focal and full body anatomy, traditional inking tools and techniques. Projects range from observational drawing, character model sheets and sculpture. Students learn how to draw characters of different cultures based on their studies of multi-cultural artists.

CARTOONING III and IV - AZS85T-01
Utilizing their skills and knowledge from last year’s cartooning class and their computer technology class, students create new media and various forms of storytelling and narrative in the junior cartooning class. Students explore responding to the world around them with their art, storyboard art, art history as well as learning how to craft and pace a narrative with different camera shots and transitions. Mediums include digital painting, ink-wash, watercolor and sculpture. Students read excerpts from different graphic novels exploring different experiences from a wide range of cultures.
develop intermediate garment construction skills as they build on the basics. Advanced projects use Adobe Illustrator to render technical flats and sketches and advanced editing in Adobe Premiere Pro, Color Correction, Keyframing, introduction to film history and careers in filmmaking.

FASHION DESIGN/ SENIORS

Students delve deeper into the world of garment construction as they explore and design and develop their wardrobes careers by designing for the Roundabout Theatre. Using advanced sewing skills and a diverse, socially and environmental awareness of fabrics, students are encouraged to design and develop their own fashion show. Students will learn the basics of establishing a brand and explore the paths of entrepreneurs and marketing a collection. They complete their portfolio development and application to college programs and careers. Eligible students will apply and participate in industry based internships.

ILLUSTRATION

Sophomore Fall: Intro to Illustration: Methods, Material & Techniques

The Sophomore year’s objective is to review, refine, and enhance through scaffolding the basic technical skills introduced during the Foundation Year. Daily studio classes are supplemented by daily Technology classes, which include Photoshop and Digital Image building techniques. Upon reviewing the Elements of Design, these are then applied to more complicated visual problems in several mediums, including conceptual and sequential art projects. The Fall begins with BW drawing, while the Spring introduces Color.

JUNIOR SPRING: (ADVANCED) DESIGN AND CONCEPT DEVELOPMENT

During Spring, students begin choosing & creating either “Concentration” themes (a series of related images) or a “Sustained Investigation,” (developed works that originate from independent inquiry and in-depth research). These extended projects encourage the development of personal style while building towards a portfolio, which includes sketchbook documentation of artistic practice. Technology skills will be refined through the use of Adobe Premiere Pro and Photoshop. Students will begin the development of online portfolios, in preparation for College Readiness. Structured classroom critiques, written analyses of Art, oral discussions, and Art History studies continue, all as preparation for the New York City Comprehensive Art Exam, our third program assessment.

PHOTOGRAPHY

In the sophomore year, students have one period of an introduction to studio photography and one period of introduction to digital imaging, which introduces them to Adobe Photoshop, Adobe Lightroom and Adobe InDesign in a photography studio setting. These skills are further expanded throughout the year.
CERAMICS
Full-year art elective
Ceramics is an introductory level full-year course designed to provide students with a foundation of knowledge and experience in the use of clay as an expressive medium. Students will explore the properties and characteristics of clay by learning various construction hand-building techniques such as coiling, pinching, and slab building. Students will learn about surface and form design in addition to glazing and firing. They will explore the fundamentals of aesthetic perception, creative expression, and historical/cultural aesthetics.

DIGITAL ILLUSTRATION
Prerequisite: 10th grade tech classes. Full year course
Digital Illustration is a great elective for all senior and junior illustration majors but is open to all. It will allow for experimentation in different styles, guiding the students through finding their personal voice and expanding your college portfolio. The course will begin with an in-depth technical study of Adobe Illustrator and the creation of vector art, the industry-standard in digital art, and a crucial entry-level job skill; then advancing to digital painting techniques in Photoshop, 3D rendering and animation. Projects include digital life drawing an IPad, line art illustrations, character design, pattern design, product design and editorial illustration.

LIFE DRAWING
A class focused on drawing and painting from observation in a variety of media. Life drawing is the foundation skill or most visual art disciplines. All college portfolios require some observational drawing or painting, including the NYC Comprehensive Art Exam. Here is a perfect opportunity to develop that aspect of your portfolio.

FINANCIAL LITERACY
Prerequisite: Algebra. Full year math course
The financial literacy course is designed to expose students to real-world financial questions, tying in foundational Algebra concepts. We cover topics such as banking, credit, paying for college, budgeting, investing, taxes, insurance and entrepreneurial skills. The course consists of 11 units and several mini-units. They are designed such that each unit is not a prerequisite for the next. The easier, more fundamental content appears earlier and more complex topics appear later. Filled with engaging resources, activities and more, this course will leave students feeling confident and financially capable!

PHOTOGRAPHY ACROSS THE MAJORS
No prerequisites. Full year
A photography elective at Art and Design is essential. As a visual arts school with an emphasis on design and media, it is imperative students experience different methods of visual expression. Photography in particular cultivates observation skills, moments, light, life, interaction, inter and intrapersonal relationships. The skills you have developed in your art major can be strengthened through learning the photographic process. Photography Across the Majors explores the act of picture making and builds on your knowledge of visual thinking strategies learned in all of the majors. We explore ideas of identity, belonging, marketing, history and more through a photographic lens.

Project aims will include understanding camera and lighting functions, selling an idea, telling a story, art and protest, music photography, among others.

INTRODUCTION TO PUBLISHING
No prerequisites. Full year art course.
What does it mean to work in publishing? This class provides students with an overview of the industry, including its history, the different types of publishing, and the various jobs associated with the field. Students will acquire hands-on experience in many of the skills involved in publishing, such as writing for news (interviews/reviews), page design (print/digital), photography, illustration, sales and advertising, marketing and promotion, and art directing. The class will create their own publication for the school, and have some responsibility for content in the yearbook.

SMALL BUSINESS PLANNING AND DEVELOPMENT
No prerequisites. Full year art course.
Do you have an artistic product you would like to sell but don’t know how to do it? Have you always wanted to own your own business and make money from your art? In this practical, hands-on class, students will learn how to structure and run every aspect of their artistic business from concept through shipping. The goal in this class is for students to open their own shops using the Etsy platform and get their businesses up and running. This class is open to Juniors and Seniors.

WORLD BUILDING
No prerequisites. Full-year science elective
We don’t all live in the world that we want but we can develop it in our one year World Building elective course. In virtually every piece of science fiction, fantasy and creative writing, authors and creators have expanded upon our world or created their own. Sometimes these worlds are just like earth, and frequently, we see imaginative and wild interpretations of what could be. This class will give you remarkable flexibility to use and interpret your understanding of sciences, social studies, written expression and even math to shape a universe for your characters and content.

Understanding how worlds are created, both scientifically and figuratively is the core of this course. Once you have a planet, how does life form? How does life become more complex and organize itself? How does this life communicate and interact? By the time World Building is done, you will be the proud creator of a world that represents your individual, incredible artistic vision.
9th GRADE ENGLISH: THE FOUNDATIONS OF LITERARY ANALYSIS, ARGUMENTATION, AND WRITING
Short stories, poetry, and texts of all genres and time periods comprise this first year of English class at the High School of Art and Design. During your 9th grade year, you will learn foundational literary analysis and argumentation skills by working towards mastery of the school’s Literacy Initiative: you will learn how to annotate fiction, nonfiction, poetry, and plays productively and critically; to write thoughtfully about the significance of literary devices within and across texts from different eras; and to craft strong, well-organized argument essays in response to global issues that connect to the literature you study. You will also complete a research paper in conjunction with your Science class. You will learn how to analyze and connect evidence to texts’ central ideas; to synthesize information into concise and elegant writing; and to articulate your ideas explicitly within whole-class discussions. This class will provide you with exposure to literature and writing as both art and science through studying texts that include, but are not limited to, Of Mice and Men, The King, Julius Caesar, Fahrenheit 451, Kindred, How the Garcia Girls Lost Their Accents, Aristotle and Dante Discover the Secrets of the Universe, and The Curious Incident of the Dog in the Night-time. Through close reading and discussion of how literature illuminates diversity and difference, you will be expected to delve into critical analysis, articulate your ideas explicitly within whole-class discussions, and engage in group projects to build your argumentative writing skills and will engage in seminar discussions to develop their speaking and language skills. To promote interdisciplinary learning, 10th grade Honors English students complete a research paper related to the Global History course, wherein students synthesize the skills from English and Global Studies. Major texts for Honors English include but are not limited to "The Universal Declaration of Human Rights," Maus, Brave New World, Things Fall Apart, A Long Way Gone, Persepolis, The Kite Runner, Macbeth, and Drown.

10th GRADE ENGLISH:
Sophomore English exposes students to global narratives that explore our desire to persevere despite humanity’s struggles with war, genocide, and human rights violations. The focus of Sophomore English is to advance critical analysis and writing skills, building on the skills from freshman year. Sophomore English continues Art and Design’s group collaboration initiative; students will engage in group projects to build their argumentative skills. To promote interdisciplinary learning, Sophomore English students complete a research paper related to the Global History course, wherein students synthesize the skills from English and Global Studies. Major texts for Honors English include but are not limited to "The Universal Declaration of Human Rights," Maus, Brave New World, Things Fall Apart, A Long Way Gone, Persepolis, The Kite Runner, Macbeth, and Drown.

AP ENGLISH LANGUAGE AND COMPOSITION:
At HSDAD, the AP English Language and Composition course continues the work of the school-wide literacy initiative. Students registered for AP English Language and Composition are also registered for the AP US History course. The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make about the evidence they use to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods. Texts include (but are not limited to): "The Immortal Life of Henrietta Lacks" and "In Cold Blood". Students will be expected to conduct Socratic Seminars and explore the questions of man’s existence. Topics in Senior literature range from psychology to philosophy. The skills that will be sharpened range from forming and finalizing a college admissions essay, synthesizing multiple sources into an analysis, advancing their research skills, and participating in self-directed study. Books include, but are not limited to: "Hamlet"/"Othello," "The Stranger," "Beloved," "Fences," and "Equus.

SCRIPT WRITING:
12th Grade English Scriptwriting class is to prepare students who are interested in film making for successful creative college and academic achievement. In all of the course units, students focus on research, creative writing and analysis skills to communicate through and about stories told on film. Topics and skills studied in this class include screenwriting, screenwriting analysis, story structure, storytelling elements, college essay writing, philosophy, psychology, research skills, multiple sources in analysis and creative writing, accountable talk and discussion skills, collaborative work and self-directed independent study. The class culminates in students writing the first draft of their own original full-length screenplays. All film majors will be registered for Scriptwriting.
CREATIVE WRITING:
In Creative Writing, students will evaluate various forms of writing, including the short story, satire, screenplays, and poetry, in preparation for learning at the college level. When focusing on the short story, students will read and analyze stories through the lens of the individual story elements (theme, setting, characterization, point of view, dialogue, tone and plot) and later write their own section of a story that exemplifies the element. We will also look at and then write in the style of the various forms of literature: the short story, parody, caricature and cartoon. Similarly, we will read and analyze screenplays through the eyes of writers and students will have an opportunity to write their own scenes. In addition, students will explore various forms of poetry including villanelle, sonnet, haiku, ekphrasis. Students will read a variety of poetry by authors of all generations, movements and backgrounds, and write many of the poems and short stories that are featured in their portfolios. Throughout the course, students will also be writing college-level analytical responses to class readings and a research paper.

LGBTQ+ LITERATURE:
The focus of this course is on works by and about LGBTQ+ people. We will examine how these texts represent members of the community and the role of language in creating a poetry portfolio. Throughout the course, students will also be writing college-level analytical responses to class readings and a research paper.

9th GRADE GLOBAL HISTORY:
Global History 3 is a full-year course that begins approximately with 750 C.E. and ends with a unit that covers problems and issues facing the world today. Several concepts are developed throughout the course including industrialization, nationalism, imperialism, conflict, technology, and the interconnectedness of the world. The course will also focus on reading historical documents and being able to analyze these documents. Classroom work will focus on enduring issues and how they relate to each unit of study. Students will demonstrate their explicit knowledge of an enduring issue through an interdisciplinary research paper. At the end of the year, students will take a Regents examination.

10th GRADE AP WORLD HISTORY:
Advanced Placement in the World History is a college level course that is offered to sophomores with a demonstrated interest in World History. Through this course, students will develop a greater understanding of the evolution of global processes and examine interaction with different types of human societies. Focused primarily on the past thousand years of the global experience, the course builds on an understanding of cultural, institutional, and technological precedents that set the human stage prior to one thousand C.E. The course will begin in 1200 CE with a study of civilizations in Africa, the Americas, Asia, and Europe that are foundational to the modern era. Students will learn the six specific themes that form the core of world history as a field of study, and provide further organization to the course. Emphasis will be placed on writing skills, knowledge-based analytical skills, and the ability to interpret historical documents. Students will take the Advanced Placement Exam in May for college credit and the Global History Regents examination in June.

11th GRADE US HISTORY:
US History 1 and 2 follows the development of the United States from the colonial era to the present day. Students will develop an understanding of the workings of the American government and the Constitution. A chronological approach to the events that shaped American society and culture will be used. Students will examine the economic, political, and social development of our nation. Students will explore the expansion of the federal government, and the place of the United States in a globalized world. Course requirements include completing framework aligned assessments. The course will also focus on reading historical documents and being able to analyze these documents. The U.S. History and Government Regents is the final exam for this course.

11th GRADE AP US HISTORY:
Advanced Placement US History is a college level course offered to juniors. This course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and issues in United States history. The course will help students develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively through essay writing. Extensive use and analysis of document (primary and secondary sources) will be used by students in the course. substantial essay writing. Students will take the AP exam in June.

GOVERNMENT/ECONOMICS:
Participation in Government/Economics will be divided into two parts: Government and Economics. The Government portion of the spring. Topics will include: the principles of government, politics and law, roles and rights of citizenship, political party system; legal obligations; public policy; and political participation. Additionally, students will learn about tradeoffs, opportunity costs, and the benefits of trade; students will study how the market forces of supply and demand cause prices to be what they are. Students will focus on current events and how our government and economy are constantly changing.

AP GOVERNMENT:
AP United States Government and Politics introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence-based arguments. While this is a full-year course of government, to fulfill the Economics requirement, many economic ideas will be woven into the class. In particular, we will cover the government's role in monetary policy, financial markets, job creation, affecting supply and demand, and international trade. Students will take the Advanced Placement exam in May.

SLS21/SLS22- LIVING ENVIRONMENT:
Living Environment is an introductory biology course that stresses inquiry and depends upon the basic relationships of the physical sciences, specifically the physical environment. This course includes 1200 minutes of a laboratory component that must be completed for students to be eligible to take the Regents Exam at the end of the academic year. The curriculum follows the New York State Living Environment Core Curriculum Standards and is specifically designed to prepare students for the Living Environment Regents Exam. In this course, students will learn: Scientific Inquiry, Ecology, Organization and Patterns in Life, Life Processes, Genetics and Biotechnology, Reproduction and Development, Evolution, Human Influences on the Environment, Homeostasis and Immunity.

SCIENCE DEPARTMENT

9th GRADE GLOBAL HISTORY:
Global History 1 and 2 covers history from the Paleolithic Era to the Enlightenment. While you will be presented with a narrative of the major historical events, special focus will be on skill acquisition and primary and secondary source analysis. In this class, you will be explicitly taught how to annotate, develop higher level questions and how to identify point of view and bias. Other topics include contextualization and cause and effect. Special attention will be given to Enduring Issues in Global History and you will begin to prepare for the Regents exam at the end of 10th grade.
level. It is important for students to understand the role biology has on society and the responsibility that students must make informed decisions about issues raised by advancements and research in biology. In this course, students will learn biochemistry, the parts of the cell and their functions and the cell communication that occurs between cells, genetics and biotechnology, evolution, plant form and function, animal form and function, and ecology. At the end of the academic year, students will be offered the opportunity to take the Advanced Placement Biology Exam. If students receive a passing score on the Advanced Placement Biology Exam, they may have the option to receive college credit for the course.

SCS21X/SCS22X- AP CHEMISTRY:
AP Chemistry is designed to be the equivalent of a first year college general chemistry course and follows the College Board’s AP Chemistry syllabus. The course is designed to increase students’ depth of knowledge on topics previously learned in Regents Chemistry such as Atomic Structure, the Physical Behavior of Matter, and Acids & Bases, and then to dig deeper and introduce new topics such as Thermodynamics, Equilibrium, and Stoichiometry. The advanced problem-solving strategies and time management skills developed in this course will prepare college-bound students for careers in the sciences, medicine, engineering, and other technical areas and will absolutely improve their skills in college readiness.

SWS21/SWS22- FORENSICS:
Forensics is designed to investigate, collect data and solve crimes. Forensic scientists use chemistry, physics, biology, mathematics, engineering and even psychology to help solve crimes. Forensic science incorporates both science and the law. Forensic scientist will document evidence from a crime scene, study the physical evidence, research and present evidence to detectives, police officers, lawyers and the court of law to help solve crimes. This is a guided inquiry course with problembased learning experiences that will give students the opportunity to explore topics and concepts through investigations. The students in this course are taught the fundamentals of a criminal investigation and how it is applied in a court of law. They learn by doing: they process crime scenes, analyze lab data, conduct scientific investigations, interact with guest speakers, explore the Internet and become familiar with various texts. Students use technology to participate in activities that closely resemble those used by law enforcement personnel, forensic scientists and district attorneys.

Students will learn the history of forensics, forensic methodologies and techniques, physical evidence detection and collection, forensic tools and analyze data to link evidence to the criminal. They document their findings through laboratory reports and legal briefs to ultimately be presented to a student court and jury. All of these tools are designed to engage a wide variety of learners in our school’s very diverse community.

LOTE DEPARTMENT

SPANISH:
Spanish is a comprehensive standards-based curriculum that balances grammar and communication. The course integrates the learning of the language with an appreciation for Spanish-speaking cultures around the world. Students learn simple, relevant vocabulary and grammar, including sentence formation, regular, irregular, stem-changing, and reflexive verbs. Students also learn about the use of direct and indirect objects, and begin to learn about some preterite forms of certain verbs.

FRENCH:
In French, students will develop skills in listening, speaking, reading and writing in French. They will learn to perform certain tasks: introducing someone, telling what they like and don’t like, ordering something to eat and to drink, choosing and purchasing items from the store, asking for and giving information, accepting and refusing invitations, saying what they need and giving directions. They will talk about various topics that interest both themselves and French-speaking teens, such as music, sports, leisure activities, food, shopping, traveling, family and school. They will also describe themselves, their friends, their family and personal experiences, in the past and in the present and close future. Besides learning the French language, they will also develop cultural understandings about how people in French-speaking regions live, act and think, as well as what they value. In addition, they will learn skills that will help them act independently and successfully in novel cultural situations.