



Summer 2024 High School Offerings

(*=includes an Honors option)

HISTORY/SOCIAL STUDIES

- U.S. History*
- Modern World History*
- U.S. Government and Politics*
- Western Civilization
- AP U.S. Government and Politics
- AP U.S. History
- AP European History

ENGLISH

- Foundations of Literacy
- Genres in Literature (9th)
- Language and Composition (10th)
- American Literature*
- British Literature*
- AP English Language and Composition
- AP English Literature and Composition

MATHEMATICS

- Algebra 1
- Geometry
- Algebra 2
- Explorations in Data Science
- Finite Math and Trig
- Pre-Calculus*
- Statistics and Probability
- Calculus
- Multivariable Calculus Honors
- AP PreCalculus
- AP Calculus AB & BC
- AP Statistics
- AP Computer Science A

SCIENCE

- Biology*
- Chemistry*
- Physics*
- Environmental Science
- Anatomy & Physiology
- AP Biology
- AP Chemistry
- AP Physics 1
- AP Physics C: Mechanics
- AP Physics C: Electricity and Magnetism
- AP Environmental Science

VISUAL AND PERFORMING ARTS

- Introduction to Digital Photography
- Music of the 20th Century

COLLEGE PREP ELECTIVES

- Economics*
- Ethnic Studies
- LGBTQ Studies
- Psychology
- Health
- AP Psychology
- AP Macro-Economics
- AP Micro-Economics

LANGUAGE OTHER THAN ENGLISH (LOTE)

- Spanish 1–4
- AP Spanish Language and Culture
- AP Spanish Literature and Culture
- Korean 1
- Korean 2
- Italian 1
- French 1–4
- AP French Language and Culture

1:1 SUMMER SEMINARS

- The Art of Storytelling (Creative Writing)
- Tackling the Formal Essay (Essay Writing)
- ¡Hablemos! Conversational Spanish (Beg)
- ¡Hablemos! Conversational Spanish (Int)

SUMMER CAMPS

- STEAM SHOWCASE Camp (advanced)
- STEM Camp (all levels)

NEW ELECTIVE COURSES

- Executive Functioning
- Life Skills
- Personal Finance



Summer 2024 Middle School Offerings

HISTORY

- Grade 5: U.S. History & Geography
- Grade 6: World History (Ancient)
- Grade 7: World History (Medieval and Early Modern)
- Grade 8: U.S. History & Growth of a Nation

ENGLISH

- English 5
- English 6
- English 7
- English 8

MATHEMATICS

- Math 5
- Math 6
- Pre-Algebra
- Algebra 1
- Geometry
- Algebra 2

SCIENCE

- Grade 6: Earth Science
- Grade 7: Life Science
- Grade 8: Physical Science

LANGUAGE OTHER THAN ENGLISH (LOTE)

- Spanish 1A
- Spanish 1B
- Spanish 2
- French 1A
- French 1B
- French 2

1:1 SUMMER SEMINARS

- The Art of Storytelling (Creative Writing)
- Tackling the Formal Essay (Essay Writing)
- ¡Hablemos! Conversational Spanish (Beg)
- ¡Hablemos! Conversational Spanish (Int)

SUMMER CAMPS

- STEAM SHOWCASE Camp (rising 9th graders only)
- STEM Camp (all levels)
- Middle School Day Camps

NEW ELECTIVE COURSES

- Executive Functioning
- Life Skills
- Personal Finance



Executive Functioning, Personal Finance, and Life Skills

Lydian Academy is excited to offer three NEW Elective courses this summer in the areas of Executive Functioning, Personal Finance, and Life Skills. Students who register for one of these courses will earn a semester of elective credits and a grade upon completion, and may choose to take the course in-person, online, or via hybrid modalities. Students may choose to register for the course 1-on-1 with their Lydian teacher for a completely individualized experience, OR they may also choose to register with a friend or sibling for discounted pricing and a 2:1 student:teacher ratio.

EXECUTIVE FUNCTIONING

Executive Functioning is a one-semester course that promotes the development and application of crucial meta-cognitive skills necessary for academic success and overall well-being. Some of the topics to be covered include: time management, note taking, organization skills, stress management, goal setting, study skills, and self-regulation, with content individualized to meet the needs of each particular student. The goal is to empower students in honing skills that are essential to their success - not just academically, but also personally and professionally on the road ahead.

PERSONAL FINANCE

Personal finance is a one semester course that is designed to support students in building an essential foundation in financial literacy that will aid them in making informed decisions about real-world financial issues in this ever-evolving 21st century global landscape. Students will explore possible career pathways, goal setting, and earning potential, and learn how wise decision-making takes into account the multi-faceted domains of income, taxes, money management, credit, saving, and investing in order to achieve personal financial success.

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LIFE SKILLS

Life skills is a one semester course that supports students in the development of pertinent independent living skills that are required to aid a successful transition into adulthood. Students will synthesize and apply inter-disciplinary competencies in career preparation (i.e., resume writing, interviewing, the job application process), health and nutrition, consumer math (i.e., personal banking, credit, budgeting), goal setting, inter-personal relationships (i.e., roommates), travel and home management (i.e., navigating public transportation, grocery shopping, laundry), and more.

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Design Thinking, Engineering, and Computer Science Camps

Lydian Academy is excited to offer two distinct Design Thinking, Engineering, and Computer Science camps this summer at our Burlingame Campus location. While campers must demonstrate sufficient pre-reqs to enroll in our advanced STEAM SHOWCASE Camp, the STEM Camp is open to students of all levels who wish to participate. Al Davies will be our faculty advisor for both camps (SEE MR. DAVIE'S BIO BELOW).

STEAM SHOWCASE CAMP

The STEAM SHOWCASE camp combines STEM with students' inter-disciplinary passions. Students will explore STEM related fields in order to design and create a prototype of their own making. Students will be able to use their creations as Showcase capstones to demonstrate their ideas and projects on future college applications.

As a concrete example, in Mr. Davies' prior experience leading summer camps for high school students at Stanford University, he mentored three students on a project in conjunction with a Stanford professor working in advanced fluid mechanics to build something that simulates hurricane systems. Those students are all now published authors and co-authors on the project with the Stanford professor, and were able to use their designs to support admissions into Stanford, Cornell, and Columbia university, respectively.

Pre-Req: The STEAM SHOWCASE Camp is open to rising 9th-12th grade students who have some prior experience with coding and technology, demonstrate good standing in all math and science courses, and possess the ability to work independently with guidance from a faculty advisor.

Camp Dates / Times:

SESSION 1 - June 10th - June 28th - 12:30pm-3:30pm (Monday-Friday)

SESSION 2 - July 8th - July 26th - 9:00am-12:00pm (Monday-Friday)

Cost: \$4999 per session

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STEM CAMP

STEM Campers will learn how to use a variety of tools and mediums to design and create hands-on projects such as animated halloween displays, Rube Goldberg machines, computer driven lego marble runs, animated art, and simple robots. The tools and mediums at their disposal will include Legos, glue guns, cardboard, robots, 3D printing, micro bits, makecode, Tinkercad, introductory block based coding (and text based for those with experience or the desire to learn) and basic electronics. The scope and scale of student projects will be tailored to each individual camper in this small group setting, with a primary goal of empowering students to not only create a cool project by the end, but more importantly a lot of great memories along the way.

The STEM Camp is open to all rising 6th-12th graders of ALL Skill levels

Camp Dates / Times:

SESSION 1 - June 17th - June 28th - 10:00am-12:00pm (Monday-Friday)

SESSION 2 - July 8th - July 19th - 12:30pm-2:30pm (Monday-Friday)

SESSION 3 - July 22nd - August 2nd - 12:30pm-2:30pm (Monday-Friday)

Cost: \$2250 per session

AL DAVIES BIO

After a successful business career at the interface of engineering, CS, robotics, and electromechanical design and fabrication, Mr. Al Davies spent two years as a lead instructor in Stanford's Pre-Collegiate Studies program, where he embedded software, computer vision & robotics courses to students from across the globe for their intensive residential program. He subsequently taught for five years as a Computer Science/Design Thinking teacher and Robotics Mentor at The Nueva School in Hillsborough. During this time, he was also the lead design and fabrication mentor for seven years with the Serra/Notre Dame/Mercy robotics teams.

Al currently teaches Math, Science, and CS courses at Lydian Academy, and is the STEM-Makers advisor for the school.

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Lydian Middle School Day Camps

Lydian Academy is excited to offer week-long, inter-disciplinary day camps this summer for students 10 to 14 years of age at both our Menlo Park and Burlingame campus locations. Each Camp Session will run from 9am-3pm, Monday-Friday, and students can register for one week or multiple weeks throughout the summer.

BURLINGAME CAMPUS

Burlingame Middle School campers will explore a variety of activities both on campus and in the local community. Activities will vary throughout the week and across the various camp sessions, but will include arts and crafts, STEM and STEAM activities, outdoor activities, and local field trips.

Camp Sessions (ALL 9:00am-3:00pm, M-F)

SESSION 1 - June 24th - June 28th

SESSION 2 - July 8th - July 12th

SESSION 3 - July 15th - July 19th

SESSION 4 - July 22nd - July 26th

Please bring your own lunch and water bottle. One daily snack plus Camper T-Shirts are included with your registration.

Cost: *\$1000 / session

*NOTE: Students who enroll in 1-semester course for credit during the summer receive 50% off a weekly camp session

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MENLO PARK CAMPUS

Menlo Park Middle School campers will engage in fun, creative, and academic activities that are centered around a weekly theme. The program will help students exercise their creativity through project-based activities in STEM, creative writing, life skills expeditions, cooking, arts & crafts, and outdoor athletic activities that include trips to our local parks. Join us for one week, two weeks, three weeks, or all four, as every week will be different and will have something new for your child to experience, learn, and enjoy!

Who: 10 - 14 year olds

What: Choose to join a summer camp for one week or extend the adventure for multiple weeks

Where: Menlo Park Campus

Daily Activities Include:

- STEM Projects
- Creative Writing
- Life Skills Expeditions
- Cooking
- Arts & Crafts
- Outdoor Games
- And more!



Undersea World Camp

Delve into the mysteries of the deep blue, uncovering marine wonders through various adventures.



Out of this World Camp

Blast off into the cosmos with activities that defy gravity! Engage in stellar space-themed explorations.



All Around the World Camp

Pack your bags for a global adventure! Each day brings a new destination, featuring activities that celebrate diversity.



Digital World Camp

Explore the realms of virtual creativity and learn how to safely navigate the digital world.

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Weekly World-Themed Camps

SESSION 1 - June 24th - June 28th → **Undersea World Camp** - ocean themed

SESSION 2 - July 8th - July 12th → **Out of This World Camp** - space themed

SESSION 3 - July 15th - July 19th → **Around the World Camp** - multicultural/people themed

SESSION 4 - July 22nd - July 26th → **Digital World Camp** - focuses on exploring social media, gaming, and the internet as an educational resource in healthy ways

Please bring your own lunch and water bottle. One daily snack plus Camper T-Shirts are included with your registration.

Cost: *\$1000 / session

*NOTE: Students who enroll in 1-semester course for credit during the summer receive 50% off a weekly camp session

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Summer 2024 Writing Seminars

The Art of Storytelling: Creative Writing Seminar

Creativity is fundamental to language learning. This writing seminar provides students with an introduction to storytelling that will not only help students tap into their creativity, but will provide them with a solid foundation from which to become better analytical thinkers and writers. Students will develop a positive relationship to writing and learn more about themselves in the process. Seminar participants will explore interesting and engaging themes to help spark their imagination. They will be encouraged to use self-expression, develop critical thinking skills, and gain confidence. Students will read short stories, write in response to a variety of intriguing prompts, and create their own short stories. At Lydian, we believe that every student has a story to tell. We aim to help nurture students' creativity and facilitate an understanding that writing can be a fun endeavor! This workshop is open to both middle and high school students.

Teachers will assess foundations, fill in gaps, and help students to:

- Develop a positive relationship to writing, learn how to use self-expression, and gain confidence as authors
- Engage in dynamic, creative writing tasks, and practice meaningful, structured writing
- Use their imaginations while also learning how to evaluate, summarize, create, and extrapolate
- Develop critical thinking, listening, and reading comprehension skills

Tackling the Formal Essay: Expository Writing Seminar

Many times, students find themselves struggling to write the perfect essay. Some might even experience confusion when it comes to the essay writing process and how to approach writing in general. This seminar will help students develop their formal essay writing skills by systematically breaking down the steps involved in the process. Students will write on topics of interest and will produce four types of formal essays (narrative, descriptive, expository, and argumentative). Students will learn how to effectively brainstorm, outline, draft, and revise a paper. The goal of the seminar is to get students to the point where they feel more confident in their formal essay writing and can use the skills they learn to become self-directed writers in

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their academic courses, and better writers in general. This seminar is open to both middle and high school students.

Teachers will assess foundations, fill in gaps, and help students to:

- Differentiate between formal and informal writing, and learn how to write narrative, descriptive, expository, and argumentative essays
- Understand and break down the writing process in order to make writing more manageable
- Produce essays that have a strong and clear voice, craft effective thesis statements, and gain the confidence required to become self-directed writers
- Understand how to both summarize and analyze, construct productive topic sentences, and learn how to use in-text citations and create bibliographies

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Summer 2024 Conversational Spanish Seminars

Learning a foreign language requires learning vocabulary, grammar, and culture, and practicing inside and outside of class. Most students develop receptive skills much more easily than expressive skills, and learning a foreign language can be quite frustrating when a student is struggling to express themselves verbally or in written format. Summoning up the words from a brand new and ever-growing, mental word bank can be quite the challenge. When a language-learner puts their recently acquired knowledge into practice and activates receptive and expressive skills, they are more likely to achieve fluency and enjoy learning the language if they are able to use it more naturally. Most students feel nervous, intimidated, or shy to speak up in class but when you add a new language to the mix, there tends to be less active participation. Lydian Academy's conversational Spanish boosters will allow students to put their skills into practice comfortably and confidently.

¡Hablemos! Beginner Conversational Spanish Seminar

This immersive three-week seminar is designed to strengthen students' conversational skills in Spanish. As this course is not for credit, the emphasis will not be on mastery but rather on engagement with the language. For that reason, teachers will carefully assess students' foundations to help them develop a positive relationship with the language through self-expression.

Prerequisite: completion of Spanish level 1. Ideal for students going into level 2 or 3.

In this seminar, students will learn how to

- apply vocabulary in natural conversation by
 - introducing and describing themselves
 - telling time, talking about schedules and routines
 - chatting about the weather
 - discuss family chores, organizing parties, shopping, vacations, health, and more!!
- apply grammar and syntax in natural conversation by
 - discussing the above topics using the present and preterite tenses

Above all, students will

- ✓ develop speaking skills in conversation with their teacher
- ✓ gain confidence by engaging in dynamic speaking tasks and conversations that are structured and meaningful

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¡Hablemos! Intermediate Conversational Spanish Seminar

This immersive three-week seminar is designed to strengthen students' conversational skills in Spanish. As this course is not for credit, the emphasis will not be on mastery but rather on engagement with the language. For that reason, teachers will carefully assess students' foundations to help them develop a positive relationship with the language through self-expression.

Prerequisite: completion of Spanish level 3. Ideal for students going into level 4+

In this seminar, students will learn how to

- apply vocabulary in natural conversation by
 - introducing and describing themselves
 - telling time, talking about schedules and routines
 - chatting about the weather
 - talking about jobs, sports, recreational activities, the environment, volunteering, and more!
- apply grammar and syntax in natural conversation by
 - using the past tense to tell stories and share memories
 - using the future tense to make plans for travel
 - comparing and contrasting
 - giving commands
 - making polite suggestions and expressing hopes, fears, and opinions with the subjunctive mood

Above all, students will

- ✓ develop speaking skills in conversation with their teacher
- ✓ gain confidence by engaging in dynamic speaking tasks and conversations that are structured and meaningful

Our aim is to facilitate conversational Spanish as both a practical and fun endeavor! This seminar is conducted in Spanish and open to both middle and high school students.

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