

Grade 6

Actor's Workshop (Session 2)

Step into the spotlight and develop your acting skills through a range of engaging activities and exercises – both improvised and rehearsed. This course focuses on core performance techniques, including characterization, physical and verbal expression, stage movement, and the art of bringing a fictional character to life. Students will refine their craft in a supportive, hands-on environment and build confidence on stage. The course culminates in a final performance, where each student will present a prepared monologue and/or scene.

Advanced/ Beginner Swim (Sessions 1, 2, and 3)

To determine your child's ability level, please refer to the descriptions below. All children will be tested by the instructors on the first day of each session and appropriately placed based on their ability level.

Note: A student must be enrolled in Enrichment/Recreation to participate in the swimming program.

Advanced Beginner: Child must be able to swim the length of the pool (25 yards) using the freestyle stroke in 7-foot deep water.

Advanced Robotics Design (Sessions 1 and 2)

Enter the world of applied robotics! Students will design, build, and program LEGO® Mindstorms robots to complete real-world tasks. Class activities follow the official LEGO® League Challenge Course.

Note: Advanced Robotics Design meets for two hours in the afternoon per day and is therefore priced as two courses.

All About the Game (Session 1)

Step up to the plate! This exciting and active class is perfect for kids who want to learn and practice baseball and softball skills. Students will develop throwing, hitting, and catching techniques, explore the rules of the game, and put their knowledge to the test through fun activities and friendly competition. Played on an outdoor field, this class welcomes students of all skill levels to join the fun and become part of the action!

Animation (Session 1)

Bring your imagination to life – frame by frame! In this hands-on class, students will create their very own stop-action animated films using materials they choose, like clay, paper, watercolors, or original drawings. From storyboarding and scripting to filming and editing, students will guide their projects from start to finish. We'll provide the professional setup – lights, cameras, and editing software – while you focus on bringing your story to life. Finished animations will be shared with family and friends through a secure online link. Perfect for aspiring filmmakers, artists, and storytellers alike!

Archery Fundamentals (Session 1)

Don't just shoot arrows into hay bales—learn to master the art of archery! Using the school's professional archery range, this course focuses on essential safety practices and the key techniques needed to excel in this exciting and challenging sport. Each session wraps up with a friendly skills contest, giving students the chance to test their aim and track their progress. Ready, set, draw!

Art of Paper (Session 1)

There is a lot more to paper than what goes on with a pen or paint! This class shows us how to make art forms that use paper in 3 dimensions. Explore all the diverse ways we use paper in creating artwork! Get creative with folding, building, sculpture, shadows, papier mâché, and more!

Astronomy (Session 1)

Embark on a journey through the cosmos with a series of hands-on activities designed to ignite curiosity about our universe. Students will explore fascinating topics such as the planets of our solar system, solar and lunar eclipses, the reasons for the seasons, comets, asteroids, meteors, and more. As part of their celestial exploration, students will also be introduced to Stellarium, a powerful astronomical simulator. Using this tool, they will complete a series of challenging lab investigations, building their skills in observation, analysis, and critical thinking as they navigate the night sky like real astronomers.

Beginner Swim (Sessions 1, 2, and 3)

To determine your child's ability level, please refer to the descriptions below. All children will be tested by the instructors on the first day of each session and appropriately placed based on their ability level.

Note: A student must be enrolled in Enrichment/Recreation to participate in the swimming program.

Beginner: Child must be able to comfortably submerge their head in the pool.

Bing, Bang, BOOM! (Sessions 1 and 2)

STOMP... ACS Style! Get ready to make some serious noise—in the best way possible! In this high-energy, hands-on class, students will dive into the exciting world of percussion. They'll explore a wide variety of instruments, from boomwhackers, rainsticks, and guiros to djembes, snare drums, bongos, doumbeks, and even coffee cans. Students will collaborate to create and perform their own percussion ensembles, blending rhythm, movement, and creativity using both traditional instruments and imaginative, student-made ones. Whether you're a seasoned drummer or just love to move to the beat, this rhythm-filled adventure is the perfect place to let your inner percussionist shine!

Bla-hoot! (Session 1)

This is a new spin on the ACS Summer Program hit, "Blooket Masters!" This year, students will utilize both the Blooket and Kahoot platforms to learn effective gaming strategies when they return to the regular school year. We will play solo and teams, offer our insights to each other,

strategize, and learn how to create our own. Students will log in through their own Google accounts, and information about creating one will be sent to parents before the session begins. Get ready to Bla-hoot!

Bridge Building (Session 2)

Build a Working Bridge. Put math, physics, and creativity to work! Students will explore how bridges are designed and engineered, learning the same principles behind iconic structures like the Golden Gate and Brooklyn Bridge. Then, they'll build their own model bridge using these techniques. At the end, each bridge will be tested for strength, practicality, and beauty—combining science and art in an exciting hands-on project!

Chess: Basics and Beyond (Sessions 1, 2, and 3)

This beginning level class is designed to take each student from basic knowledge to a more proficient level of play. Students will:

- Learn opening principles of the game: setting up the board and moving the pieces
- Study special rules: castling, under promotion, and en passant
- Understand pins, forks, check and checkmate
- Master quick ways to win, including the 4-move checkmate and the 2-move checkmate
- Study the history of chess ... and much more.

Chess: Competitive (Sessions 1, 2, and 3)

This class is for students with advanced technical knowledge of the game and who enjoy competitive game play. This is the ideal choice for students who would like to compete in state and national tournaments. Students will:

- Study notation
- Review famous games
- Practice the rules of tournament play
- Learn more complex openings
- Practice understanding the opponent
- Study end game techniques... and much more.

Chess: Competitive Goals (Sessions 1, 2, and 3)

Take an advanced chess class with National Master (NM) Kevin Velazquez (2021 Co-State Champion). This is an exciting and positive chess class for students who already understand opening principles, tactics (short-term actions) & checkmating patterns, and wish to improve strategy (long-term outcome) by creating and taking advantage of opponent weaknesses. Students will learn to identify positional chess concepts to generate long-term ideas (strategies) to win the game. Topics may include Strong and Weak Squares, Restricting the opponents' counter-play or pieces, Outposts, Anchor pawns in the enemy camp, the activity of the developed pieces, weak diagonals, rows, and files. This class is for tournament players or students who have progressed beyond basic opening ideas, elementary tactics, and strategies, and have knowledge to arrive at checkmate from numerous positions. NM Velaquez will take competitive students to a higher level of understanding in the opening, middle game, and endgame with emphasis on the step-by-step thought processes a master goes through. This class will include competitive play between the students with the most instructive game being analyzed in front of the class after the game has been concluded. Age is not a requirement but a strong foundation of the basics and beyond is.

Note: Competitive Chess Goals meets for two hours in the afternoon per day and is therefore priced as two courses.

Chess: Great Gameplay (Sessions 1, 2, and 3)

This class requires knowledge of all concepts listed under “Basics and Beyond.” This course focuses on starting and completing a full game. Students will:

- Review tactics such as pins, forks, and getting out of check
- Learn notation
- Master opening strategies and middle game planning
- Study common end game combinations such as king and two rooks, king and queen, and king and one rook
- Review games... and much more.

Clay Creations (Session 2)

Fire up the kiln and get ready to create! In this beginner’s clay course, students will learn basic ceramic techniques like pinch and coil building. Through hands-on exploration, budding artists will craft unique pieces that will be fired, glazed, and ready to display as beautiful works of art.

Courts and Trials (Sessions 1 and 3)

Step into the courtroom! In this engaging, hands-on class, students explore the U.S. legal system through interactive scenarios and role-playing activities. They will take on the roles of attorneys, witnesses, jurors, and more as they prepare for a culminating mock trial. Critical thinking, teamwork, and persuasive communication take center stage as students determine: Guilty or innocent? You decide!

Create-a-Play (Session 1)

Build a Play from Scratch! Students will dive into every step of creating a play—from brainstorming ideas and writing script outlines to developing characters and dialogue through discussions and improvisations. They’ll rehearse scenes, create or gather sets, props, and costumes, and finally present a full production during the last class. Perfect for creative kids ready to bring their own stories to life on stage!

Daily Survival (Session 2)

Can you survive? Students will sharpen their skills in reading, math, and critical thinking as they apply them to everyday living using authentic scenarios (i.e., planning a budget, living on a professional salary, planning a vacation) and sources. This practical class includes economics, geography, and more.

Dissecting (Sessions 1 and 2)

Dive deep into the anatomy of animals with this interactive zoology course! Young scientists will explore the inner workings of creatures ranging from worms to frogs through a blend of virtual dissections on computer monitors and hands-on dissections in the laboratory. Students will learn about anatomy, physiology, and biological systems while practicing scientific observation and dissection techniques in a safe, supervised environment. This course offers a unique, up-close look at animal biology, perfect for curious minds interested in science and the natural world.

DNA Detectives: Genetics and Traits in Play (Session 3)

Become a game designer in this biology-inspired maker space class! Students will use digital fabrication tools and creative materials to design board games where players build creatures, solve puzzles, or evolve species. Genetics and traits serve as a fun theme, guiding the design of cards, tokens, and game pieces, but the focus remains on crafting engaging mechanics, strategy, and playable games. By the end, each student will have a one-of-a-kind game that's imaginative, interactive, and 100% hands-on!

Note: DNA Detectives meets for two hours in the morning per day and is therefore priced as two courses.

Materials fee: \$25.00

Dramatic Writers (Sessions 2 and 3)

Calling all actors and writers! This course teaches the fundamentals of theater including acting, improvisation, and stage directions while exploring the important components of public speaking. Students will write and memorize an age-appropriate monologue and present it on the last day!

Dream, Design, Do! (Session 1)

A STEAM Makerspace Experience for Digital Fabrication (Grades 6-8)

Unleash your creativity in this dynamic, student-led STEAM adventure! Design and craft projects that showcase your unique passions—whether it is creating artwork, designing custom T-shirts or mugs, designing accessories or artwork, or prototyping solutions to real-world challenges. With expert mentors guiding the way, students will explore cutting-edge tools and technology, including Cricut machines for precision design and cutting, 3D printers, and laser cutters. Dive into the world of digital design as you use these tools to bring your creative visions to life. This hands-on experience emphasizes problem-solving, collaboration, and innovation as students tackle real-world design constraints like time, budget, materials, and functionality. Whether you're an experienced maker or just beginning your design journey, this class offers the perfect opportunity to experiment, learn, and create. The camp culminates in a celebratory showcase where students proudly share their creations and stories with the community.

If you can dream it, you can make it—your imagination is the only limit!

Note: Dream, Design, Do! meets for two hours in the afternoon per day and is therefore priced as two courses.

Materials fee: \$25.00

Express in Mess! The Art of Creativity (Session 1)

Discover the joy of creativity with no pressure to be perfect! In this fun, hands-on class, students will experiment with a variety of materials, ideas, and techniques—embracing playful exploration and happy accidents along the way. Over two weeks, they'll learn to think outside the box, take creative risks, and enjoy the process of making art. This class is all about building confidence and finding inspiration in the unexpected!

Fantasy Baseball (Sessions 1 and 2)

Fantasy Baseball Manager: Build Your Winning Team! Pick your roster, manage your team, and aim for first place! Students will dive into statistical analysis by tracking the real-life performances of their favorite baseball players. Plus, all participants receive a free ticket to a White Sox game – cheer on your team in person!

Flag Football (Session 3)

Experience the excitement of flag football! In this fun-filled, non-contact class, participants will develop new skills through mini-games and exciting drills that sharpen their catching, throwing, and running techniques, all while building confidence and a love for the game. Designed for both beginners and experienced players, this class emphasizes teamwork, problem-solving, and unforgettable fun. Whether you're a rookie or a rising star, this class is sure to be a touchdown!

Friends of Nature (Session 3)

Explore the wonderful forest preserve right outside Avery Coonley's back door! In this class, students will become nature journalists as we venture out into the woods to explore what nature has to offer. Students will write, draw, and observe the world around them on a daily basis. We will also go birding and learn about the types of birds that call the forest around Avery Coonley's home. Students should be prepared to go on short walks, weather permitting, most days.

Galactic Game Designers: Exploring Space Through Play (Session 1)

Blast off into the universe of creativity! In this out-of-this-world maker space class, students will design board games inspired by astronomy, planetary exploration, and space missions. Using tools like 3D printers and laser cutters, participants will create custom planets, rockets, and cosmic tokens as they learn about orbits, gravity, and the challenges of space travel. By weaving real science into their gameplay, students will develop strategy, storytelling, and design skills—culminating in a board game that's truly universal fun!

Note: Galactic Game Design meets for two hours in the morning per day and is therefore priced as two courses.

Materials fee: \$25.00

Games Galore (Session 3)

Did you ever play Monopoly and think, "that's fun . . . for a while." Or Clue and wish, "if only we could just focus on solving the mystery." Did you know that there are versions of these kinds of games that already exist? And did you know that you can make one up yourself? In Games Galore we will spend one week learning about the structures (called mechanisms) that make games . . . games. We will do this by playing various card and board games and finding the themes and mechanisms that we find fun. In week two, we will take this knowledge and create a quick "brainstorm" game, where the emphasis will be on design, prototype, test, and redesign. This class would be a great follow up to the "How to Win Games and Influence People" class.

Go for Beginners (Session 3)

Learn the world's most popular board game. Invented 2,500 years ago Go (in Japan), Weiqi (in China), or Baduk (in Korea) is the oldest game that has been played continuously to the present day. Students will learn the rules and the basic strategies behind this fascinating game. Students will practice with Tesuji (clever play) puzzles, review games, and will apply the ancient proverb, "lose your first 50 games as quickly as possible." Students will need to register for a free account with an online go server to fully participate.

Note: This class is for true beginners. Mr. Leesch is an enthusiastic student of the game but is an advanced beginner himself.

Golf Skills (Session 3)

Come and join the Avery Coonley Golf Club! Our classes are taught by a certified instructor trained by the Kids Golf Foundation. Designed for children, this course introduces them to the foundational skills of golf through a variety of full swing stations, chipping challenges, putting courses, and more! The SNAG (Starting New At Golf) equipment, available in different sizes, ensures that kids of all ages can participate. With oversized, colorful clubs, Velcro balls, and targets, this program provides a fantastic opportunity to develop skills in a fun and safe environment. Ready to tee off on your golf journey?

Gotta Dance (Session 2)

Move your body to the beat in this dynamic dance class led by a professional instructor! Students will be introduced to basic techniques from jazz, contemporary, and musical theater dance styles. This fun and energetic course encourages creativity, coordination, and expression.

Note: Comfortable; loose clothing is recommended. Jazz or ballet shoes may be worn but are not required.

Great Debaters (Session 3)

Convince others to see things your way in this engaging debate class! Students will sharpen their logical reasoning and public speaking skills while crafting persuasive oral arguments on a range of topics, from historical events to current issues. This class is a fantastic way to develop higher-level thinking, perfect for students interested in preparing for Forensics in high school, or simply for those who want to become more effective at winning debates with friends and family. Whether you're arguing a point for fun or preparing for future competitions, this class will help you communicate with confidence and conviction!

Guitar for Beginners (Session 3)

All great musicians were beginners at some time. Who knows what learning to play this popular instrument will do for any child? In nine short lessons, students will be taught basic fingering, fretting, and strumming, using an acoustic guitar. They will also receive individual instructions to help them progress more quickly with these skills. Classroom guitars will be available or bring your own acoustic guitar from home.

History Quest: Time Travelers Game Design (Session 3)

Step into the makerspace and bring history-inspired adventures to life through board game design! In this creative, hands-on class, students will use digital fabrication tools—such as 3D printers, laser cutters, and craft materials – to design and build their own playable board games. Drawing inspiration from historical eras or events, students might create challenges set in ancient civilizations, medieval kingdoms, or future reinterpretations of the past. The focus will be on developing engaging game mechanics, designing custom pieces, and crafting immersive visuals. By the end of the session, each student will have a one-of-a-kind board game that blends creativity, storytelling, and maker skills!

Materials Fee: \$25.00

How Good of a Detective Are You? (Session 3)

What makes a great mystery? What qualities do the best detectives have? In this interactive class, students will explore these questions through reading short stories, playing games, and watching clips from movies and TV shows. They'll sharpen their deductive reasoning and logical thinking as they work to solve a variety of mysteries. These hands-on activities also build leadership skills, boost critical thinking, and strengthen teamwork.

How to Win Games and Influence People (Sessions 1 and 2)

Inspired by best-selling writer and lecturer Dale Carnegie's work *How to Win Friends and Influence People*, this class will combine introductory game theory, European-style board games, and social interactions into a friendly, no-pressure environment. Students will have the opportunity to delve into a world where competition and cooperation work hand-in-hand to achieve their goals.

Introduction to Movie Making (Session 2)

Become a filmmaker! Taught by the ACS Director of Drama, this class will guide students through creating short movies including generating ideas, scriptwriting, acting, videography, directing, and editing. On the final day of class, movie premiers will be shown to family, friends, and students either live or through video links. Please note by enrolling in this class you are agreeing to your image being used on our secure ACS YouTube link. Introduction to Movie Making meets for two hours in the afternoon per day and is therefore priced as two courses.

Journalism (Sessions 1 and 3)

Step into the roles of reporter, editor, and publisher in this popular class! Students will gather news, conduct interviews, and write and edit stories to produce a vibrant summer program newspaper. Using the school's latest desktop publishing technology, the class will bring their work to life—creating a real paper filled with "all the news that's fit to print."

Lights! Camera, Action (Sessions 1 and 3)

Perform on the big screen! This course serves as an introduction to the art of making films and videos. The first week will focus on learning the basic techniques of filmmaking, with students creating short silent movies. The second week will incorporate sound as well as working in a group process of telling a story in a sound movie. Final productions will be available for viewing via a secure link.

Note: by enrolling in this class you are agreeing to your image being used on our secure ACS YouTube link. LCA meets for two hours in the afternoon per day and is therefore priced as two courses.

Look Out, Rube Goldberg! (Session 1)

Build amazing and complex machines to accomplish very easy tasks. That is what cartoonist Rube Goldberg was famous for, and that is what teams do in national competitions. That is what students will be doing at ACS. A fun and interesting way to develop higher levels of thinking in science, logic, and creativity.

Magical Printmaking (Session 1)

Printmaking is magical! The process of creating images and transferring the images to a variety of paper, wood, or cloth is exciting, along with learning how to make multiple copies. Try foam printing plates, alternative photography processes, relief printing, stamping, and more.

Making a Music Video (Session 2)

Develop the next music video hit! From idea and conception to choreography and post-production, this course focuses on the creating of a music video. Students will select one or more songs, write a script, act, shoot the video, and edit the final footage.

Note: by enrolling in this class you are agreeing to your image being used on our secure ACS YouTube link.

Monsters and Mazes (Session 3)

Ever wonder what an orc eats for breakfast? Hopefully, not your brave hero! Join an adventure party and journey through swamps, forests, and mysterious dungeons. Along the way, you'll face dragons, orcs, goblins – and maybe even umber hulks! This class uses Dungeons & Dragons 5th Edition as its guide for epic storytelling, teamwork, and thrilling quests. Ready your dice and your imagination!

Motion, Visual Effects, and Compositing! (Session 2)

In this course, students will learn to use Green Screening Technology combined with DaVinci Resolve and Stop Motion Studio software, to create complex shots, such as the lightsaber blade effect, as seen in movies such as Star Wars. Green screening techniques will be explored in depth, allowing students to strategically place characters/objects, or even themselves, into any environment of their choosing. Advanced Camera settings, lighting, storyboards, and stop-motion video creation will also be explored and combined with green screen techniques, to produce amazing visual effects.

Musical Theater Dance: Spotlight Series (Session 1)

For everyone who loves musical theater! Performing artists will combine acting with dance and choreography. The session culminates with a debut performance in the ACS Performing Arts Center for family and friends. Please note by enrolling in this class you are agreeing to your image being used on our secure ACS link.

Natural Disasters (Sessions 2 and 3)

Ever wonder what causes earthquakes to shake the ground or how tornadoes form their powerful spirals? Curious about how hurricanes, forest fires, and floods develop and impact our world? Let's dive into the fascinating world of natural disasters! In this class, we'll explore the science behind these events and complete hands-on STEM labs to discover the power of nature and engineer solutions to prepare for its challenges!

Nutty Nutcracker (Session 3)

The holiday classic – without the snow! In this course, students will jump, turn, leap, and sword fight their way through the familiar Christmas tale while exploring a variety of ballet movements as they produce one Nutty Nutcracker performance on the final day.

Note: No previous dance experience required. Ballet shoes may be worn but are not required; students should wear comfortable, loose clothing.

Photography (Session 2)

Level up your photography skills in this hands-on camp! Students will learn the essentials of composition, lighting, and visual storytelling while capturing images with Chromebooks or iPads. We'll also explore creative alternative photography processes – both inside and outside of the darkroom – to give students a full range of artistic techniques. No prior experience required!

Phun with Physics (Session 3)

Defy Gravity: A Hands-On Introduction to Physics. Can you overcome gravity? Find out in this exciting and fun introduction to physics! Through hands-on experiments, students will explore the fundamental laws that govern our physical world—including gravity, electricity, and motion. Get ready to discover the science behind everyday wonders!

Physics in Action! (Sessions 1 and 2)

Welcome to the action-packed world of Physics! In this 100% hands-on course, you will design, build, and test unique devices such as a mousetrap-powered car, a medieval catapult, a Newton's cradle, and more! If you enjoy working with your hands and building projects that you can take home, this is the class for you!

Pickleball (Session 2)

Get ready to volley with an oversized paddle and ball in this exciting twist on ping-pong! Played on a gym floor with a low net, this game helps players of all ages develop eye-hand coordination, agility, and quick reflexes. Plus, many of the skills transfer easily to tennis – perfect for fun and fitness!

Plan New Worlds (Session 1)

Become both a problem seeker and solver in this dynamic class! Using a creative problem-solving model combined with Bloom’s taxonomy, students will develop a step-by-step approach to analyze challenges and take effective action. Through exploring hypothetical problems—like weightlessness, transportation, space colonies, robots, and environmental issues—students will gain insight into future possibilities while sharpening practical problem-solving skills that apply to real life today.

Podcasting (Sessions 2 and 3)

Share interest, share knowledge, share music, share anything: PODCAST! This class will teach students the basics of podcasting as they plan, research, script, and record their own digital broadcasting program. Podcasts will be uploaded throughout the session to our own Blogspot website.

Raiders of the Lost Arch(eology) (Session 2)

Adventures in Archaeology: Uncovering World Cultures. Follow in the footsteps of Indiana Jones! In this exciting course, students will explore the worlds of archaeology, geography, history, and sociology as they investigate cultural treasures from around the globe. Through hands-on projects and global case studies, students will uncover the stories behind ancient artifacts, sacred sites, and lost civilizations. This is a great opportunity to develop critical thinking skills and gain a broader understanding of the diverse cultures that shape our world.

Robotics (Sessions 2 and 3)

LEGO® Mindstorm Robotics! Design, build, and program your own robotic vehicle using the LEGO® Mindstorm EV3 kit! Students will learn to use the programming software to control their robots as they tackle exciting challenges. Throughout the course, participants will develop important skills in logic, creativity, problem-solving, STEM, and teamwork while completing robot missions.

Shadow Box Story Builders (Session 1)

Shadow boxes create a world, tell a story, and capture a moment. Students will explore unique materials, employ skills like cutting, folding, constructing and stacking, play with perspective and lighting, explore foreground vs background as well as positive and negative space, and learn to think “outside of the box” in order to create a shadow box of their own design.

Shaking Up Shakespeare (Session 3)

Calling all thespians for an opportunity to explore exciting and innovative improvisation games, followed by a mini production of William Shakespeare’s tragedy *Julius Caesar*! Students will learn public speaking, stage presence, timeless literature, history, costuming, and teamwork throughout the 2-week course. The short performance will be shared with families on the last day.

Shooters Workout (Session 1)

Get ready to sharpen your shooting skills in this fun and focused basketball class! Each player will receive individualized instruction to improve their technique – from lay-ups to three-pointers. With an emphasis on form, accuracy, and practice, students will build confidence and consistency while having a great time on the court.

Sing! Sing! Sing! An Intro to Choir (Session 3)

Do you love to sing? Come be part of the ACS Summer Program Choir! In this fun and welcoming class, students will learn proper vocal technique, how to sing expressively, and how to blend as a group. Together, we'll work on a variety of choral pieces and prepare for a special mini performance at the end of the session. Whether you're new to singing or already love to perform, bring your voice, your favorite songs, and your enthusiasm – and join the choir this summer!

Socratic Seminar Speaking in a Circle! 4-7 (Session 2)

Public Speaking! Socratic Seminar! Improvisation! Students will build confidence by learning to confidently speak ideas and thoughts about many topics from art to gum in schools to 4-day work weeks. Students will research and share their ideas in a safe and fun environment while also exploring tongue twisters and improvisation games that build articulation and confidence.

Speed, Height, Flight Power Club (Session 2)

Start your engines! This class focuses on the scientific basis and practical applications of motion, rocketry, and flight. Students will learn the components of these mechanical systems and develop hands-on skills that use these principles in powered scale model applications. Classes will set up and race cars, build and launch rockets, and practice flying an airplane.

Sports Announcing (Session 2)

Step into the spotlight and experience the excitement of calling the game! In this class, students will learn the skills of a sports announcer—writing scripts, practicing play-by-play commentary, interviewing athletes, and using their voice to bring the action to life. Students will build confidence, teamwork, and communication skills while creating their own sports broadcasts and highlight reels.

Stamp Lab 2: Carve, Ink, Create (Session 2)

Printing is the transfer of ideas onto surfaces. From Hokusai's The Great Wave off Kanagawa to modern T-shirt companies, printing is the foundation of art all around us. Students will learn about various forms of manual printing, and explore line, texture, shape and color to design and carve stamps out of various materials. The course will culminate in printing a self-designed wearable item!

Take A Chance (Sessions 1 and 2)

Learn how math helps us make smart choices in an uncertain world! Through hands-on experiments and data analysis, students will explore how to predict outcomes, calculate expected values, and make sense of statistics. We'll dive into real-life applications – like why Vegas always wins, why lottery tickets are a losing game, and how sports teams use math to decide plays and draft players. Students will explore key topics such as counting strategies, simple and compound probability, and rational decision-making. This is a fascinating and practical math course where numbers meet real life!

Theater Sports (Session 3)

Whose line is it? This exciting class focuses on building skills in improvisational theater, where quick thinking and creativity are key! Through fun theater games and drama exercises, students will learn to "act on their feet," generating characters, situations, dialogue, and ideas spontaneously. As they dive into the art of writing, directing, and performing without prior planning, they'll develop confidence in their ability to think and react in the moment. The session will culminate in an improv performance, where students will showcase their newfound skills in a fun and interactive way! Whether you're a seasoned performer or new to improv, this class is a great way to boost creativity and have a blast while doing it!

Unlocking the Magic of AI (Session 2)

Step into the exciting world of Artificial Intelligence! In Unlocking the Magic of AI, students will explore what AI is, learn about its ethical considerations, and discover real-world examples of AI in action. This hands-on course will guide students through creative projects using various AI tools, showing how AI can build upon their creativity, improve productivity, and solve problems innovatively. Whether you're curious about the technology behind virtual assistants or how AI creates art, this class will inspire and empower you to think critically and creatively about the future of AI. No prior experience needed—just bring your curiosity and imagination!

Note: Magic of AI meets for two hours in the afternoon per day and is therefore priced as two courses.

Materials fee: \$25.00

Volleyball (Session 2)

Bump, set, spike! Add serving, and students are playing an extremely popular game filled with skill and strategy. This course is designed to have students work on basic skills and rules, so players of any ability can have fun and improve on the court.

WACS Newsroom (Session 3)

Join the WACS news team and report on breaking news and special reports at Avery Coonley. Students will concentrate on writing news stories for newscasters, reporting on various happenings, and highlighting individuals. The class will also focus on creating an interesting documentary about life at the ACS Summer Program. Students will have the opportunity to participate in all facets of the team, from writing and reporting to shooting and editing.

Wizards of Wall Street (Session 3)

Journey through the world of investments and high finances. This course will expose students to economic principles and theories for investing in the stock market and other commodity markets in the US and other countries. Activities will lead to an understanding of the terminology of investments, the use of the internet as a research tool, and the creation of a mock portfolio – an important first step forward into economics and financial planning in our growing global economy.

Wonders of the World (Session 3)

What makes something worthy of the title “Wonder of the World”? In this thought-provoking class, students will explore Ancient, Natural, and Modern Wonders of the World, learning about their history, geography, and significance. Using critical thinking skills, students will analyze what makes these sites truly amazing—and create their own unique lists of wonders. This class is a fun and interactive way to deepen understanding of world geography and cultural heritage.

Writeology (Session 2)

Learn the ins and outs of writing. From simple summaries to informative essays, students will focus on clearly expressing themselves using the written word. Emphasis will be put on the importance of writers to support their main ideas with appropriate examples and explanations. Appropriate for authors of all abilities.

Young Poets Society (Session 3)

Explore the power of words and find your unique voice. In Young Poets Society, we’ll read a wide range of poems and experiment with styles from free verse to spoken word. You’ll learn how imagery, rhythm, and language can shape meaning, and you’ll create poems that reflect your ideas and experiences. This is a supportive, collaborative space for writers who want to express themselves and grow as poets—no experience needed.

Grade 6

CLASS	GRADES	9:00	10:00	11:00	12:30
Session 1					
Advanced Robotics Design	6-8				X
All About the Game	6-8	X			
Animation	5-8		X		
Archery Fundamentals	5-6		X		
Art of Paper	5-8	X			
Astronomy	5-8			X	
Bing! Bang! BOOM!	4-8			X	
Bla-hoot	5-6		X		
Chess: Basics and Beyond	K-8		X		
Chess: Competitive	K-8			X	
Chess: Competitive Goals	3-8				X
Chess: Great Gameplay	K-8	X			
Courts and Trials	5-8	X			
Create-A-Play	4-6	X			
Dissecting	6-8	X			
Dream, Design, Do!	6-8				X
Express in Mess! The Art of Creativity	5-8			X	
Fantasy Baseball	4-8		X		
Galactic Game Designer: Exploring Space Through Play	4-6		X	X	
How to Win at Games and Influence People	6-8	X			
Journalism	5-8	X			
Lights, Camera, Action!	6-8				X
Look Out, Rube Goldberg!	3-6		X		
Magical Printmaking	5-8		X		
Musical Theater Dance: Spotlight Series	6-8			X	
Physics in Action	6-8		X		
Plan New Worlds	5-8	X			
Shadow Box Story Builder	5-8		X		
Shooters Workout	5-8			X	
Take A Chance	6-8		X		
Session 2					
Actor's Workshop	5-8	X			
Advanced Robotics Design	6-8				X
Bing! Bang! BOOM!	4-8			X	
Bridge Building	5-8		X		
Chess: Basics and Beyond	K-8	X			

Chess: Competitive	K-8			X	
Chess: Competitive Goals	3-8				X
Chess: Great Gameplay	K-8		X		
Clay Creations	5-8			X	
Daily Survival	5-6		X		
Dissecting	6-8		X		
Dramatic Writers	4-7		X		
Fantasy Baseball	4-8	X			
Gotta Dance	4-6			X	
History Quest: Time Travelers Game Design	4-6		X	X	
How to Win at Games and Influence People	6-8		X		
Intro to Movie Making	5-6				X
Making a Music Video	5-8		X		
Motion, Visual Effects, and Compositing	6-8			X	
Natural Disasters	6-8	X			
Photography	5-8	X			
Physics in Action	6-8	X			
Pickleball	5-8			X	
Podcasting	5-8			X	
Raiders of the Lost Arch(eology)	4-6	X			
Robotics	3-6		X		
Socratic Seminar Speaking in a Circle	4-7			X	
Speed, Height, Flight Power Club	5-8			X	
Sports Announcing	4-6		X		
Stamp Lab 2: Carve, Ink, Create!	5-8		X		
Take A Chance	6-8	X			
Unlocking the Magic of AI	6-8				X
Volleyball	5-8		X		
Writeology	5-8	X			
Session 3					
Chess: Basics and Beyond	K-8			X	
Chess: Competitive	K-8		X		
Chess: Competitive Goals	3-8				X
Chess: Great Gameplay	K-8	X			
Courts and Trials	5-8		X		
DNA Detectives: Genetics and Traits in Play	4-6		X	X	
Dramatic Writers	4-7	X			
Flag Football	5-8	X			
Friends of Nature	5-8	X			
Games Galore	5-8		X		

Go! For Beginners	5-8	X			
Golf Skills	6-8		X		
Great Debaters	6-8	X			
Guitar for Beginners	5-7		X		
How Good of a Detective Are You?	6-8		X		
Journalism	5-8			X	
Lights, Camera, Action!	6-8				X
Monsters and Mazes	5-8	X			
Natural Disasters	6-8			X	
Nutty Nutcracker	3-6			X	
Phun with Physics	5-8		X		
Podcasting	5-8	X			
Robotics	5-8		X		
Shaking Up Shakespeare	4-6			X	
Sing, Sing, Sing! Intro to Choir	4-8			X	
Theater Sports	5-8	X			
WACS Newsroom	5-8		X		
Wizards of Wall Street	5-7			X	
Wonders of the World	4-8			X	
Young Poets Society	6-8			X	