

ALBUQUERQUE AVIATION ACADEMY IN-PERSON COURSE CATALOG WITH COURSE DESCRIPTIONS



ALBUQUERQUE AVIATION ACADEMY IN-PERSON COURSE CATALOG WITH COURSE DESCRIPTIONS

STUDY HALL

Study Hall provides students with dedicated time during their regular schedule to work on their Edgenuity courses in a structured and supportive environment. Supervised by a content teacher or educational assistant, this period allows students to stay on track with their coursework, receive guidance, and develop time management skills. While not for credit, Study Hall offers an opportunity for focused, independent learning to help students succeed in their academic goals.

HOMEROOM

Homeroom is a supportive and structured time designed to help students stay engaged, organized, and connected within the school community. Led by a dedicated teacher, this period focuses on building relationships, managing parent communication, and providing regular grade updates. Students will also participate in lessons that explore healthy ways to navigate social media, technology, and current events. Homeroom fosters a sense of belonging while equipping students with essential life skills for academic and personal success.

SUPPORT LAB

Support Lab is designed for middle school students who are developing their time management skills and need additional support in completing their Edgenuity coursework. This class provides dedicated time to work on assignments and lessons in a structured environment, guided by educational assistants. Students will have the opportunity to focus on their Edgenuity tasks, ask questions, and receive support to help them stay on track with their learning goals. Support Lab fosters independence, builds organizational skills, and ensures students make the most of their non-scheduled days for academic success.

AVIATION COURSES

INTRO TO AVIATION

This foundational course provides students with a basic understanding of aviation principles, preparing them for further training in the field. Topics include aviation careers, aerodynamics, aircraft components, weather considerations, navigation, and aviation safety. Through hands-on activities and simulations, students will develop a strong knowledge base that serves as a prerequisite for the **Foundations of Aviation** course. This class is ideal for students interested in pursuing aviation as a hobby or career, offering the first step toward advanced flight training. No prior experience is required—just a passion for aviation!

FOUNDATIONS OF AVIATION

This course is designed for students who have completed **Introduction to Aviation** and are ready to take the next step in their aviation journey. It provides in-depth instruction on all the key topics needed to pass the FAA General Knowledge Exam. Students will learn about advanced aerodynamics, flight planning, navigation, weather, aircraft systems, and FAA regulations. Through detailed lessons, practice exams, and hands-on activities, students will develop the knowledge and confidence required to pursue a career in aviation or further flight training. This course is ideal for students serious about advancing in aviation, providing the essential foundation for future flight certifications.

ADVANCEMENT IN AVIATION

This advanced course is designed for students who have successfully completed **Foundations of Aviation** and passed the FAA General Knowledge Exam. It focuses on the final stages of flight training, preparing students to move toward their flight certification. Students will gain hands-on experience in flight maneuvers, advanced navigation, airspace rules, and flight operations. This course is personalized based on the student's age and flight progress, with the goal of preparing them for their final flight test and certification. Ideal for students pursuing a career in aviation, this course provides the critical skills and practical knowledge needed to succeed as a certificated pilot.

DRONES

This course provides students with the knowledge and hands-on experience needed to earn their FAA Remote ("Drone") Pilot Certification (Part 107). Students will learn about drone operations, safety protocols, airspace regulations, weather, and flight planning, as well as the responsibilities of drone pilots. The course includes both classroom instruction and practical flight training to prepare students for the FAA knowledge test and flight exam. Ideal for students interested in careers in aerial photography, surveying, or commercial drone services, this course equips them with the skills to operate drones professionally and safely. Students should be 16 years old, or turning 16 years old, during the semester they take this course.

AVIATION ASSISTANT

This course is designed for students who have already obtained their Private Pilot's Certificate before the semester begins and who are eager to assist and mentor the next generation of aspiring pilots. Students will take on a leadership role, providing guidance and support to peers in flight training, assisting instructors with classroom activities, and helping with pre-flight preparations. They will also gain valuable experience in aviation instruction, communication, and mentorship while reinforcing their own skills. This course offers an opportunity to develop leadership abilities, give back to the aviation community, and further enhance knowledge and proficiency in aviation. Ideal for students interested in pursuing careers in aviation instruction or aviation-related fields.

DRONE ASSISTANT

This course is designed for students who already hold their FAA Remote ("Drone") Pilot Certification (Part 107) and are interested in helping others achieve the same. As a Drone Assistant, students will mentor and guide their peers through the process of earning their drone certificate, providing hands-on support with flight training, safety protocols, and understanding airspace regulations. They will assist instructors in teaching, demonstrate proper drone operation, and share their experiences to help others succeed. This course offers students the opportunity to develop leadership skills, reinforce their own knowledge, and contribute to the growing field of drone piloting. Perfect for those looking to expand their expertise and give back to the drone community.

HOT AIR BALLOONING

This unique elective provides students with hands-on experience in hot air balloon crewing and an introduction to the fundamentals of balloon flight. Students will learn about aerodynamics, weather patterns, safety procedures, and the mechanics of hot air balloon operation. Through practical training and classroom instruction, students will gain the foundational knowledge needed to prepare for the FAA Lighter-Than-Air (LTA) Knowledge Exam. This course is ideal for those interested in aviation, teamwork, and adventure, offering a rare opportunity to explore the science and art of ballooning.

INSTRUMENT/COMMERCIAL AVIATION

This advanced course is designed for students who already hold their Private Pilot's Certificate (PPC) and are committed to pursuing a career in aviation. The focus of this course is to help students obtain their Instrument Rating, a key certification for advancing in commercial aviation. Students will learn about advanced flight operations, instrument navigation, weather analysis, and air traffic control communication. The course combines classroom instruction with flight training, preparing students to fly in varying weather conditions and under Instrument Flight Rules (IFR). Flight hours offered for this course are at the expense of the student. Ideal for aspiring commercial pilots, this course is an essential step in building the skills and credentials necessary for a career in aviation.

REQUIRED ADDITIONALS

PHYSICAL EDUCATION 6

In 6th grade Physical Education, students are introduced to a variety of physical activities and sports to promote fitness, teamwork, and healthy lifestyles. The curriculum focuses on developing fundamental movement skills, such as running, jumping, and throwing, while participating in games and activities. Students will learn the rules and strategies of various sports, including basketball, soccer, and volleyball. Emphasis is placed on cooperation and positive social interactions during team-based activities. Through fun and engaging lessons, students will understand the importance of physical fitness and how it contributes to overall health. By the end of the year, students will build confidence in their abilities and appreciate the value of an active lifestyle.

PHYSICAL EDUCATION 7

In 7th grade Physical Education, students expand their understanding of physical fitness and begin to set personal fitness goals. The curriculum includes more complex sports and activities, focusing on skill development and strategy. Students will participate in individual and team sports, as well as fitness exercises that promote cardiovascular health and strength. Emphasis on teamwork, leadership, and sportsmanship will be reinforced through collaborative activities. Students will also explore the components of fitness and learn how to create their own fitness plans. This course encourages students to take responsibility for their health and fitness, fostering a lifelong commitment to an active lifestyle.

PHYSICAL EDUCATION 8

8th grade Physical Education emphasizes the importance of lifelong fitness and wellness. Students will engage in a wide range of activities, including team sports, individual sports, and fitness challenges, while focusing on advanced skills and strategies. The curriculum encourages students to analyze their performance and set specific fitness goals. Students will learn about nutrition, health-related fitness components, and the impact of

an active lifestyle on overall well-being. By participating in leadership roles during team activities, students will enhance their communication and collaboration skills. This course aims to empower students to make informed decisions about their health and fitness as they transition into high school.

HIGH SCHOOL PHYSICAL EDUCATION

In this typically 9th grade course, students will explore advanced concepts of physical fitness, health, and sports performance. The curriculum includes a variety of individual and team sports, emphasizing skill refinement and competitive play. Students will be encouraged to develop a personal fitness regimen that incorporates strength, endurance, flexibility, and cardiovascular health. Discussions around mental health, body image, and the benefits of physical activity will be integrated into lessons. Students will take on greater responsibilities as leaders and mentors within their teams, fostering a supportive environment for all participants. This course prepares students for a lifelong commitment to health and wellness, equipping them with the knowledge and skills necessary for a balanced lifestyle.

ART 6

In this class students will explore different mediums and techniques through their own artistic creations focusing on the elements of art (Line, Shape, Color, Form, Space, Texture and Value). The goal of this class is to challenge students artistically by achieving certain requirements in each art piece versus artistic capability.

ART 7

In this class students will explore different aspects and ways of looking at art through engineering focused and STEAM based principles. Students will be tasked to complete certain requirements, work in groups and challenge the way that art can work in society through their own creations.

ART 8

In this class students will explore art paired with the core content (English, Science, History and Math) in a more holistic view of art in society. The goal of this class is to challenge students artistically and academically by achieving certain requirements in each art piece versus artistic capability.

SMART LAB 6

In the 6th-grade SMART Lab, students engage in hands-on STEM learning through interactive activities. They explore basic electronics, simple coding, and the safe use of shop tools. Using kits like K'NEX and Snap Circuits, they build structures and circuits while learning about the four forces of flight and aerodynamics. Through real-world projects, students apply the engineering design process, fostering problem-solving skills and creativity in a collaborative, fun environment.

SMART LAB 7

Seventh graders build on their STEM knowledge by exploring simple machines and designing a Rube Goldberg machine. They use tools and materials to construct a scaled city featuring classic architectural styles while safely prototyping various projects. When possible, aviation principles are integrated into their learning. Through the engineering design process, students develop solutions, test prototypes, and refine their ideas, preparing them for more advanced projects.

SMART LAB 8

In 8th grade, students advance their engineering skills through interactive devices and basic robotics. They explore drone technology with our exclusive EA Sports Drone Soccer program, learning flight fundamentals and teamwork while assembling and programming drones. Hands-on learning continues with a grade-level science fair, where students showcase innovative projects and apply the scientific method to real-world challenges.

ELECTIVES

HIGH SCHOOL ART

In this class students will be challenged to create their own interpretations of four historical art movements (S1: Baroque, Romanticism, Fauvism, and Abstract Expressionism. S2: Neoclassical, Impressionism, Cubism, and Minimalism). The class will learn about each movement, different techniques and background before being given freedom to explore and create. At the end of the semester each student will show their art in an online virtual gallery designed by the students themselves.

HIGH SCHOOL SMART LAB

Students deepen their STEM knowledge with advanced electronics, 3D modeling using CAD software. They explore aviation topics, including how pilots use geographic information systems and remote sensing technologies. The course also integrates technical writing, programming basics, and industry communication, allowing students to earn high school language credit. As a culminating project, they design a futuristic city, addressing challenges like resource limitations and responsible technology integration, applying their engineering skills to develop and present innovative real-world solutions.

MATH SUPPORT

The objective of this course is to help students with their math courses. In this course students work on some fundamental math skills at the beginning of the class. Students are offered the opportunity to propose problems to be solved on the whiteboard. Then, students work on their math courses in Edgenuity. They have the opportunity to receive tutoring about Edgenuity topics if they need it. High and middle school students can equally benefit from this course.

FRIDAY ELECTIVES (courses vary each semester; not all courses are available)

ADULTING 101

The objective of this course is to prepare students for college success through life skills lessons to include the following topics: money and budgeting, wellness, social life and friendships, time management, and study habits. Students will also compile information obtained from researching colleges, degree programs, costs, deadlines, and scholarships, to use as they transition from high school to college. Exposure to online SAT prep resources will be included.

AI-AUTONOMOUS CARS

In this hands-on course, students will develop skills in robotics, Python programming, computer networking, and the complete artificial intelligence (AI) pipeline, including data collection, model selection, calibration, and model training. Working in teams, students will transform an RC car into an autonomous vehicle capable of navigating a race track as quickly and accurately as possible. Sponsored by the New Mexico Artificial Intelligence Association (NMAIA), the course includes all necessary materials, equipment, and technical

support, as well as opportunities to participate in two statewide events where students collaborate with peers from other New Mexico schools and showcase their progress. Grades are based on effort, participation, behavior, teamwork, and overall progress throughout the semester. Due to the technical nature and pace of the course, it is recommended for high school students and exceptionally motivated 8th-grade students.

AVIATION CINEMA

Explore the thrilling intersection of aviation and cinema in this dynamic course that takes you on a cinematic journey through the skies. From iconic classics like "Top Gun" to contemporary masterpieces such as "Sully," this course delves into the rich tapestry of aviation-themed films, examining the portrayal of pilots, the challenges of flight, and the profound impact of aviation on human stories. Through in-depth analysis and lively discussions, students will gain a nuanced understanding of the technical, cultural, and emotional aspects of aviation as depicted on the silver screen. Engage with the evolution of aviation narratives, explore the role of aviation in shaping global perspectives, and discover how filmmakers capture the awe and excitement of flight. Whether you're an aviation enthusiast or a film buff, this course offers a unique lens through which to appreciate the artistry and significance of aviation in cinema.

AVIATION HISTORY

Embark on a captivating journey through the skies with our Aviation History course, where the unfolding narrative of human flight takes center stage. From the daring feats of early aviators to the technological revolutions that defined the Jet Age, this course provides a comprehensive exploration of aviation's evolution. Delve into the social, economic, and political forces that shaped the development of aviation, examining the profound impact of milestones like the Wright brothers' first flight, the Golden Age of aviation, World War aerial strategies, and the space race. Through engaging lectures, interactive discussions, and multimedia resources, students will gain a deep understanding of the individuals, innovations, and events that have shaped the course of aviation history. Whether you're a history enthusiast, aspiring aviator, or simply curious about the transformative power of flight, this course offers a fascinating lens through which to view the skies and the remarkable human stories that unfold within them.

BASIC HOME ECONOMICS

This introductory course teaches essential life skills in a fun and practical setting. Students will learn basic hand-sewing techniques, such as attaching buttons and making simple repairs, as well as fundamental microwave cooking skills for preparing quick and easy meals. The course emphasizes self-sufficiency, creativity, and safety in both sewing and cooking. Perfect for students looking to build confidence in everyday tasks, this class provides hands-on experience in skills that are useful for life at home and beyond. No prior experience is required.

BOOK CLUB

This elective course is designed for students who love to read and discuss books in a relaxed and engaging setting. Students will explore a variety of literary genres, including fiction, nonfiction, mystery, fantasy, and more, while participating in group discussions, creative projects, and reflective writing. The course encourages critical thinking, communication, and a deeper appreciation for literature. Book selections may be chosen collaboratively based on student interest. Whether you're an avid reader or looking to develop a love for books, this course offers a fun and interactive way to experience the joy of reading.

CHESS

This elective course introduces students to the fundamentals of chess, fostering strategic thinking, problem-solving, and concentration. Students will learn the rules of the game, basic tactics, and key strategies to improve their play. The course covers piece movement, opening principles, midgame tactics, and checkmating patterns, while also exploring the history and benefits of chess. Through interactive lessons, guided practice, and friendly competition, students will develop critical thinking skills and sportsmanship. No prior experience is required—just a willingness to learn and enjoy the game.

COLLAGE CREATIONS

In this dynamic and hands-on collage class, students will explore a variety of techniques and concepts, from mastering the color wheel to crafting self-portraits and expressive animal collages. Inspired by the intricate tile work of Gaudí, we will experiment with pattern and composition while also venturing into the world of three-dimensional collage. Embracing the transformative power of destruction and reconstruction, we will repurpose paper and magazine clippings into innovative works of art. This course encourages creativity, exploration, and personal expression through the exciting medium of collage.

COMIC BOOK STUDY

This elective course explores the history, artistry, and impact of comic books and graphic novels. Students will analyze storytelling techniques, visual design, and character development while studying influential works from various genres, including superheroes, manga, indie comics, and more. Through discussions, creative projects, and hands-on activities, students will gain a deeper appreciation for the role of comics in literature, culture, and media. Whether you're a longtime comic fan or new to the world of graphic storytelling, this course offers an exciting way to explore the power of visual narratives.

CREATIVE WRITING

Unleash your imagination in this engaging Creative Writing course! Designed for Albuquerque Aviation Academy students, this class explores the art of storytelling through various genres, including science fiction, spooky tales, fantasy adventures, and poetry. Students will craft original short stories, experiment with diverse themes, and develop their unique writing voices. Through peer reviews and constructive feedback, participants will refine their storytelling skills while fostering a supportive and creative environment. Whether you're a budding writer or just beginning your creative journey, this course provides the tools and inspiration to bring your stories to life.

DANCE FITNESS

Get ready to sweat, stretch, and have fun in this high-energy dance fitness class! We'll combine yoga, various dance styles, and upbeat music to create an exciting and engaging workout. Designed for all skill levels, this class blends movement with fitness to help improve flexibility, coordination, and endurance. To wrap up each session, students will take the lead by showcasing and learning popular TikTok dances. Join us for a workout that feels more like a dance party!

DOCUMENTARY ANALYSIS

Explore the power of storytelling through real-world events in this Documentary Analysis course! Designed for Albuquerque Aviation Academy students, this class challenges you to think critically about the themes, messages, and impact of documentaries. Each month, we will analyze films that highlight significant historical and contemporary issues, fostering thoughtful discussions and deeper understanding. Through critical analysis, classroom debates, and reflective writing, students will develop their ability to interpret media,

articulate insights, and engage with diverse perspectives. No prior experience is required—just curiosity and a willingness to explore the world through film.

DRONE SOCCER TEAM

This exciting elective introduces students to the fast-growing sport of drone soccer, combining teamwork, engineering, and piloting skills. Designed for 8th graders and student coaches, the course covers the fundamentals of drone operation, maintenance, and strategic gameplay. Students will learn to build, program, and fly drones while developing skills in problem-solving, collaboration, and sportsmanship. Through practice sessions and competitions, participants will enhance their understanding of aerodynamics and STEM concepts in a hands-on, competitive environment. No prior drone experience is required—just a willingness to learn and compete.

ELECTRICITY ELECTRONICS & AUTOMATION

This hands-on course introduces students to the fundamental principles of electricity, electronics, and automation. Students will learn basic electrical concepts, circuit design, and troubleshooting techniques while exploring how electronic components function in everyday technology. The course also covers automation systems, including sensors, motors, and programmable controls. Through interactive projects and practical applications, students will develop problem-solving skills and a foundational understanding of modern electrical and automation technologies. This course is ideal for students interested in engineering, robotics, or technical careers. No prior experience is required.

E-SPORTS

Esports is a course for students interested in competitive gaming, teamwork, and technology. Students will develop communication, collaboration, leadership, and strategic thinking skills while participating in organized esports competitions and team-based gameplay. In addition to gameplay, students will learn about good sportsmanship, digital citizenship, online safety, game strategy, and the growing esports industry, including careers in game design, broadcasting, event management, coaching, and information technology. Students will analyze game performance, set individual and team goals, and practice effective decision-making under pressure. Emphasis is placed on maintaining academic eligibility, demonstrating respectful behavior, and representing Albuquerque Aviation Academy with integrity during practices and competitions (if part of the after-school team). This course is designed for students who enjoy gaming and are committed to being positive, responsible members of a team.

EXPLORING CONSPIRACY THEORIES: CRITICAL PERSPECTIVES AND DISCUSSIONS

This course delves into the intriguing realm of conspiracy theories, which captivate a diverse audience by providing alternative explanations for events that mainstream narratives may overlook. While some theories stem from pure speculation, others provoke important inquiries regarding the power dynamics that influence our society. Recognizing the sensitive nature of topics such as biblical accounts and political events, this classroom environment emphasizes respect for all viewpoints and ideas, which is fundamental to the study of conspiracy theories. Students will engage with a broad spectrum of subjects, including but not limited to the moon landing, weather manipulation, the flat Earth hypothesis, and the existence of giants. Through structured debates, students will be encouraged to present evidence to substantiate their viewpoints. The course aims to enhance students' skills in evaluating evidence, referencing credible sources, questioning prevailing narratives, and fostering independent thought. A foundational principle of this course is the requirement of mutual respect for all opinions expressed.

FLAG FOOTBALL

Flag Football is an elective open to all students interested in learning the fundamentals of the game in a fun, supportive environment. Students will develop skills such as passing, catching, route running, defensive strategies, teamwork, communication, and sportsmanship through drills, games, and friendly competition. Students do not need to be members of the after-school flag football team to enroll.

GAME ON! CARDS, BOARDS & STRATEGY

Students develop strategic thinking, logical reasoning, decision-making, and sportsmanship through a variety of classic and modern card and tabletop games. Games increase in complexity throughout the semester, culminating in a student-designed tournament and optional game design project.

GEO GUESSER

In GeoGuessr, students will be “dropped” into random locations around the world using Google Maps Street View and work together to figure out where they are. Students will use clues like street signs, languages, landmarks, architecture, landscapes, and other environmental details to make their best guess. This elective combines gaming, teamwork, geography, and problem-solving in a fun and competitive way.

GUITAR

In this course, students will learn basic skills on playing guitar, and music in general: tuning, chords, temp, strumming patterns, and working as a band (team). The students will learn by practicing for a set goal: a performance for their peers at the end of the semester. The students will receive their grades based on their effort, participation, behavior and progress towards the goal.

HISTORY OF AMERICAN MUSICAL THEATER

This dynamic course invites students to explore the vibrant world of American musical theater, encompassing its rich history, diverse styles, and cultural significance. Students will engage in both theoretical and practical aspects of musical theater, fostering a deeper appreciation for this unique art form.

HISTORY OF JAZZ

History of Jazz explores the origins and evolution of one of America's most influential musical genres. Students will discover the cultural roots of jazz, learn about legendary musicians, and examine how jazz has shaped music, art, and society. Through listening activities, discussions, and interactive projects, students will develop an appreciation for jazz while exploring its lasting impact on music around the world.

HOT AIR BALLOONING

This unique elective provides students with hands-on experience in hot air balloon crewing and an introduction to the fundamentals of balloon flight. Students will learn about aerodynamics, weather patterns, safety procedures, and the mechanics of hot air balloon operation. Through practical training and classroom instruction, students will gain the foundational knowledge needed to prepare for the FAA Lighter-Than-Air (LTA) Knowledge Exam. This course is ideal for those interested in aviation, teamwork, and adventure, offering a rare opportunity to explore the science and art of ballooning.

INTRO TO SPANISH

This elective course glosses over the Spanish language. Its goal is to provide a general overview of the Spanish grammar, pronunciation and vocabulary. It discusses grammar differences between English and Spanish to reinforce retention. Every-day and conversational words and expressions are the core of the vocabulary used. Students learn to use tools like translators and online dictionaries. Students practice pronunciation and speaking through dialogues. Because of the utilization of grammar concepts, and the fast pace of the course, this course suits high school students better than middle school students.

Pre-requisite: knowledge of basic grammar concepts.

INTRO TO AVIATION

This foundational course provides students with a basic understanding of aviation principles, preparing them for further training in the field. Topics include aviation careers, aerodynamics, aircraft components, weather considerations, navigation, and aviation safety. Through hands-on activities and simulations, students will develop a strong knowledge base that serves as a prerequisite for the **Foundations of Aviation** course. This class is ideal for students interested in pursuing aviation as a hobby or career, offering the first step toward advanced flight training. No prior experience is required—just a passion for aviation!

LIFETIME FITNESS

This yearlong Lifetime Fitness course for students in grades 10–12 is designed to promote lifelong health, wellness, and physical fitness through a combination of team activities and strength training. Students enrolled in this course will participate during both Friday elective sessions to earn 0.5 Physical Education credit. During the first session, students will focus on team building, cooperative games, and a variety of individual and team sports that develop communication, leadership, sportsmanship, and cardiovascular fitness. The second session will emphasize strength and conditioning through weightlifting, resistance training, proper lifting techniques, and personalized fitness planning to improve muscular strength, endurance, and overall physical health. Throughout the course, students will also explore nutrition, injury prevention, goal setting, and the importance of maintaining an active lifestyle. By the end of the year, students will have the knowledge, skills, and confidence to make informed health choices and establish lifelong fitness habits.

LO-FI LOUNGE

The Lo-Fi Lounge is designed as a relaxing space where students can decompress while engaging in creative activities. Students will participate in mindful coloring using detailed botanical, fantasy, and pop-culture designs while listening to audiobooks, storytelling podcasts, historical mysteries, or calming lo-fi music. This elective focuses on creativity, mindfulness, artistic expression, and positive social interaction in a low-stress environment.

MATH SUPPORT

The objective of this course is to help students with their math courses. In this course students work on some fundamental math skills at the beginning of the class. Students are offered the opportunity to propose problems to be solved on the whiteboard. Then, students work on their math courses in Edgenuity. They have the opportunity to receive tutoring about Edgenuity topics if they need it. High and middle school students can equally benefit from this course.

MIDDLE SCHOOL ENGINEERING

This hands-on elective introduces middle school students to the fundamentals of engineering through creative problem-solving and real-world applications. Students will explore basic engineering concepts, including

design, structures, forces, and simple machines, while working on engaging projects that encourage critical thinking and teamwork. Through experiments, building challenges, and interactive activities, students will develop a foundation in engineering principles and innovation. This course is perfect for curious learners who enjoy designing, building, and discovering how things work. No prior experience is required—just a willingness to explore and create.

MIDDLE SCHOOL MATH GAMES

This interactive elective makes math fun and engaging through a variety of games, puzzles, and hands-on activities. Designed for middle school students, the course reinforces key math concepts such as problem-solving, logical reasoning, number sense, and strategy in an exciting and collaborative environment. Students will explore board games, card games, digital challenges, and team competitions that enhance their mathematical thinking while building confidence in their skills. This course is perfect for students who enjoy learning through play and want to strengthen their math abilities in a fun and supportive setting.

MINDFULNESS IN ART

For this elective we will learn about mindfulness and how it can be used in art through a series of relaxing, meditative and stress-free activities. The goal is to learn some artistic coping skills to help students when they need to destress or give themselves a reset to help focus on the tasks at hand.

MUSIC HISTORY

This dynamic course focuses on the evolution of music from the 1900s to the present day, providing students with an in-depth understanding of the pivotal moments, genres, and artists that have shaped contemporary music. Through active listening, analysis, and creative projects, students will explore the cultural, social, and technological influences that have impacted the music landscape over the last century.

OUTDOOR ADVENTURES

Outdoor Adventures gives students the opportunity to build practical life skills while exploring the outdoors. Through a variety of hands-on activities, students may learn basic car maintenance and repairs, gardening and planting techniques, outdoor safety, tool use, and environmental stewardship. The course also includes walks and hikes throughout the local community, encouraging physical activity, teamwork, and an appreciation for nature. Activities may vary throughout the semester based on seasons, weather, and community opportunities, making each class a unique outdoor learning experience.

STUDENT COUNCIL

This yearlong elective course is available to both middle school and high school students who are interested in leadership, school governance, and community service. Students will serve as members of the Albuquerque Aviation Academy Student Council, developing skills in leadership, communication, teamwork, organization, public speaking, and event planning while representing the voices of their peers. Middle school and high school Student Council members will often work together to plan and lead schoolwide activities, service projects, spirit events, and campus improvement initiatives, while also participating in age-appropriate leadership opportunities specific to their grade levels. Students will collaborate with teachers and administrators to identify ways to strengthen the school community, build a positive school culture, and promote student involvement. This course encourages responsibility, civic engagement, and servant leadership while preparing students to become confident leaders both at school and in their communities.

THREADED! THE FABRIC OF ART

Discover the art of working with fiber, fabric, and thread in this hands-on elective. Students will explore a variety of textile art techniques—including weaving, embroidery, macramé, fabric dyeing, sewing, and fiber sculpture—while creating unique projects that showcase texture, color, and design. This course encourages creativity, patience, and artistic expression as students build practical skills and a portfolio of finished textile artworks.

YEARBOOK

In this class students will create the school yearbook through teamwork, collaboration and fun challenging activities. Each student will walk away with a new understanding of photography, concepts of photo arrangement and a sense of accomplishment.