

Club Descriptions Grades 6-11

Model United Nations (Grades 6-11) Pruett/Stiffler

Model UN is an academic team which gives students the opportunity to explore issues facing the world today. The Model UN team takes on the role of diplomats to engage in research, debate, and conflict resolution in an authentic simulation of the United Nations. By utilizing these skills, students will gain a better understanding of the many countries and cultures that make up the world, and how to use diplomacy to develop solutions to real-world problems. Throughout the year, the Model UN team will attend several conferences, representing a country or countries in which they will work with other teams in a process mirroring those of the actual United Nations. There are several benefits to participation in the Model UN team, including: • Building confidence and leadership skills • Cultivating a deeper understanding of current events in a rapidly changing world • Emphasizing real-world use of mathematics such as statistics • Encouraging the ability to study and empathize with different cultures and ideas • Exercising formal reading and writing abilities • Reinforcing classroom understanding, particularly in the areas of geography and history • Builds and improves research skills and critical thinking. • Encourages public speaking.

Robotics Club (grades 6-11) Kaya

FTC students build FIRST Tech Challenge teams. They are challenged to design, build, program, and operate robots to play a floor game in an alliance format. Participants call it “the hardest fun you’ll ever have!” Guided by adult Coaches and Mentors, students develop STEM skills and practice engineering principles (like keeping an engineering notebook), while realizing the value of hard work, innovation, and sharing ideas. The robot kit is reusable from year-to-year and can be programmed using a variety of languages. Teams also must raise funds, design and market their team brand, and do community outreach for which they can win awards. Participants have access to tens of millions of dollars in college scholarships. Each season concludes with regional Championships and an exciting FIRST Championship.

Technology Fair (Grades 6-11) Ertekin

Tech Fair is a statewide technology competition where students compete in a variety of technology categories. Tech Fair club is for students to get ready; plan, program, develop projects and guided for the competition. Students are expected to choose one of Tech Fair categories. Students who choose Tech Fair as Academic team are accepted in this club. Categories offered to study on by Tech Fair competition are: 3d modeling Animation Audio production Device modification Digital photo production Game design Internet applications Mabile apps Multimedia applications Non-multimedia applications Project programming Robotics Tech literacy challenge Tech programming challenge Video production

Basketball (Grades 6-11) Randall

In Basketball Club, students will learn the fundamentals of the game of basketball. Students will discover and practice techniques essential to the sport. They will work as a team and also learn better their individual talents. They will learn to value teamwork and encourage each other.

FLL (Grade 7) Ertekin

FIRST LEGO League (FLL) is a global program created to get kids excited about science and technology. FLL utilizes theme-based Challenges to engage kids in research, problem solving, and engineering. The cornerstones of the program are its Core Values, which emphasize contributions of others, friendly sportsmanship, learning, and community involvement. Our mission is to inspire young people to be science and technology leaders,

by engaging them in exciting mentor-based programs that build science, engineering and technology skills, that inspire innovation, and that foster well-rounded life capabilities including self- confidence, communication, and leadership. Each annual Challenge has two parts, the Project and the Robot Game. Working in teams of up to 7 kids and guided by at least one adult coach, team members have about 10 weeks to:

- a. Build an autonomous robot that will, in 2 minutes and 30 seconds, complete pre-designed missions
- b. Analyze, research, and invent a solution for a given assignment
- c. Create a clever presentation about their solution to perform in front of a panel of judges

Programming Club (Grades 6-11) Erdem, Ertekin

This subject is aimed for students with little programming experience. It aims to provide students to teach programming logic using Greenfoot or Eclipse. When students reach required level, it will continue with introduction to Java, Object Oriented Programming, Classes, Inheritance, Polymorphism, etc. *Subject can change according to student's interest or level.

Photography Club (Grades 6-11) Carmona

In this club, students will learn the very basics of photography. Each semester, students will work on a photography project. These projects will be displayed around the school. Students who belong to this club will need to bring their own photography equipment.

Destination Imagination (Grades 6-11) Millar, Erkem

The purpose is DI is to inspire and equip students to become the next generation of innovators and leaders. Annually, DI offers seven new standards-based Challenges in STEM, Improv, Visual Arts, Service Learning, and Early Learning. Each Challenge enables student teams to learn and experience the creative process from imagination to innovation. DI is an academic club and does require an accepted application and the payment of the \$150 academic club fee (non-competitive Rising Stars fee is \$50) in order to participate. This fee covers the team T-shirts as well as other expenses incurred by the team (pizza during evening work times, for instance). In addition to the academic fee, to help foster the volunteering and community service aspects of DI, each DI student is required to organize and participate in a variety of fundraising efforts throughout the year with a minimum amount required per participant as follows:

*Non-competitive Rising Stars: optional, but encouraged! Elementary Level Students: \$100 each
Middle Level Students: \$200 each Secondary Level Students: \$300 each*

These funds will help us cover the costs of team registration, challenge supplies, as well as help a little with the registration costs for any teams who make it to Global Finals. Teams who make it to Global Finals may need to raise additional funds. Students must attend all team meetings during club time (at least two days per week) and must be available for all local tournament dates as well as Global finals (more information to come).

Literary Magazine (Grades 6-11) Craig

The literary magazine would meet once a week after school. Submissions could be poetry, fiction, nonfiction, and original art work. Students will create the layout and have the magazine published and will sell copies to students, staff, and parents interested.

Future City (Grades 6-11) Duman, Turan

Future City starts with a question—how can we make the world a better place? To answer it, 6th through 10th grade students imagine, research, design, and build cities of the future that showcase their solution to a citywide sustainability issue. Past topics include stormwater management, urban agriculture, and green energy. The 2016-2017 topic will be announced soon. Students present their solutions via a virtual city design (using SimCity); a 1,500-word city essay; a scale model; a project plan, and a presentation to judges at Regional Competitions in January. Regional winners represent their region at the National Finals in Washington, DC in February. After the competition is over, student participants are not only prepared to be citizens of today's complex and technical world, they are poised to become the drivers of tomorrow

Soccer (Grades 6-11) Chiappetta

In Soccer Club, students will master the terminology of the field, position roles and rules of the game. They will participate in several drills covering passing, receiving, trapping, shooting and goalkeeping. The student will apply these skills in a game setting while demonstrating good sportsmanship and team camaraderie.

Music Composition (Grades 6-11) Proctor

In this club, students will learn basic concepts related to song structure, music production, orchestration, notation and music theory; the goal being to help students generate new music and/or variations. The students will learn key skills used by creators in general and composers in particular. The students may wish to incorporate technology into their creative process, either for generation or notation purposes, but sheet music and alternate notation systems will be provided in paper form as well.

Girl Up Club (grades 6-11) Korukmez

Girl Up Club's mission is to empower students on FSA to become involved through education, advocacy activities, public service, and fundraising to allow adolescent girls around the world to reach their full potential. As a campaign of the UN Foundation, fundraising will support Girl Up and UN Foundation programs that directly contribute to the advancement of girls' rights, health, and education in developing countries. All activities of this club support the five core pillars of Girl Up: education, health, freedom from violence, leadership, and the right to be formally counted.

Science Olympiad (Grades 6-11) Parlak, Walsh, Stathos

Science Olympiad is a highly competitive, nationally-ranked Academic Team in which students learn science through active, hands-on participation with an emphasis on problem-solving. There are 23 events covering biology, chemistry, earth science, and physics. Team members are expected to attend classes after school and on Saturday mornings in addition to studying and preparing on their own. A maximum of 50 students will be accepted. Parent volunteers are encouraged.

Badminton (Grades 6-11) Chiappetta

In this club, student will discover game play strategies and techniques specific to the sport of badminton. They will learn rules, court setup and regulations. They will practice

as a team and work on their techniques while offering encouragement to others. After learning the terminology, rules and skills, the student athletes will apply their knowledge and skill set in a game play setting.

Music Ensemble (grades 6-11) Hawk

Drama Club (Grades 6-11) Outler, Rogers

This club is designed to give students a comprehensive understanding of the Theatre Arts and a firsthand opportunity to perform onstage in a production. They will gain knowledge about technical theater including set design, lighting, costuming, and sound in addition to blocking, memorization, stage presence, and voice projection. Through this work, students gain confidence in public speaking, learn to work with a group to complete a shared vision, and make memories that will last a lifetime. We plan to perform two plays, one in the winter and one in the spring. Due to the time necessary to put on a production, students will be asked to attend rehearsals after school and on weekends, and spend additional hours, on their own time, reading and memorizing their lines and cues. We ask that students only sign up for this club if they are able to commit to these additional hours.

NJHS (Grades 6-11) Carmona

Calculus Club (Grades 6-11) Duzyol

Calculus Club is set up to assist our calculus students understand the subject better. In addition, it gives our upperclassmen the ability to challenge themselves in nationwide contests against students across the country! For the AP students, calculus contests are an excellent way to prepare for the AP calculus exam in May 2018. The contests begin in November. We also plan on attending some Calculus Competitions organized by universities such as Clemson and Harvard-MIT, during second semester.

Web Development (grades 6-11) Erdem

The purpose of web development club is to teach students how to code basic web application from scratch. Students will learn to code by completing coding challenges and building projects instructions on freecodecamp.org with a guidance by teacher. Students will learn html5/css, bootstrap, jquery and basic javascript. Students also earn verified certificates along the way, if they are complete the challenges.

Yearbook Club (grades 6-11) Crockett

Are you interested in journalism? Do you love writing, interviewing people, and taking photos? Would you like to be a part of the team who designs and creates our yearbook this year? Join this club and be a part of the Yearbook Staff! Students must attend the weekly club meetings, have access to a computer at home and be able to spend at least 1-2 hours online every week making edits and uploading photos outside of club time. Students must attend and photograph as many school events as possible, so having access to a camera is helpful – cell phone cameras are acceptable if they have a good resolution.

Advanced Band Club (Grades 6-11) Hawk

This is for students who have been playing their instruments for at least one year. We will be learning some history of band music, composers, and general musical studies. Each student will be listening and discussing the various styles of music. Students should also bring their band instrument to participate in ensemble playing.

Music Theory Club (Grades 6-11) Hawk

This club explores the basic elements of melody; pitch, duration, rhythm and tempo. Students will learn and use the vocabulary while applying what they've learned through the use of instruments.

Advanced Orchestra Club (Grades 6-11) Hawk

Students will learn about the history of orchestral and band music, composers, and general musical studies. Each student will be listening and discussing the various styles of music. Students should also bring their orchestral/band instrument to participate in chamber music.

Recycling/Do It Yourself Club (Grades 6-11) Korukmez

The purpose of the DIY Club is to provide students with a creative, comfortable atmosphere to learn and create crafts that can be worn, useful, and decorative.

Volleyball (grades 6-11) DeMoss

In Volleyball club, students will discover different game play strategies and techniques within the sport of volleyball. They will learn the rules, court setup and regulations. The students will play and practice as a team once a week after school. They will work on underarm passes, sets, underarm and overhead serves, as well as blocking and defensive strategies. As the year progresses, the students will also learn how to spike the ball over the net. After learning the terminology, rules and skills, the student athletes will apply their knowledge and skill set in a game play setting.

Taekwondo (Paid Club)

Taekwondo was developed during the 1940s and 1950s by various martial artists by incorporating elements of karate and Han Chinese Kung-Fu with traditional Korean martial arts traditions. It is characterized by its emphasis on head-height kicks, jumping and spinning kicks, and fast kicking techniques.

School Spirit Club (Grades 6-11) Randall

This club is for students who are interested in supporting our school by decorating for events and the gym before games, doing the morning sports announcements and comes to the home games to cheer on our team! They would be in charge of recruiting others to come to home games and showing their team spirit!

Public Speaking/Debate (Grades 6-11) Crockett

Speaking in front of a crowd can be a scary situation for some. It doesn't have to be this way. With practice speaking in front of a group can be enjoyable. The Public Speaking and Debate Club will focus on helping students overcome their initial fears and hone their speaking skills. We will focus on Informative, Persuasive, and How-To speeches. Students will also have the opportunity to work on storytelling, monologues, and dialogues. There will also be an opportunity to write and share personal poetry and creative writing. The exchange and challenging of ideas is important to our democracy and everyday lives. With this in mind students will also participate in debates on topics that affect their world. Debates will focus on building Rhetorical and Argumentative skills, Research and use of evidence, developing and supporting an argument, the formats that competitive debates follow, and student selection of topics.

Quiz Bowl (Grades 6-11) Craig

This club prepares students for trivia competitions at the local, state and national levels. Students practice questions in areas such as literature, science, history, popular culture and current events. Students will compete as a team. Most teams are made up of four students, but alternates will also be part of the club.

Classical Guitar Ensemble (Paid Club)

An involved an engaging way to learn the guitar, Classical Guitar Ensembles teach finger style techniques for all skill levels. The Ensemble will meet every Tuesday from 3:30-4:30pm. There are 30 slots for this ensemble. Register now to reserve yours! \$375 per semester.

Service Learning (grades 6-11) Rucker

Service Learning can be defined as a deeply rooted connection between students, schools, families, communities, and an academically rigorous curriculum. Service learning connects academic standards and curriculum to a community or school need. Both sides benefit as valuable relationships are created. Students get to see how they can make a difference in their world. Students will work to identify a need in their community, work with various stakeholders who are involved, connect their work to the content they are currently learning, and execute projects to address the need.

MD Junior (Grades 6-11) Selvakumar

Creative Writing (Grades 6-11) Proctor

Creative Writing Club will encourage student passion for writing while also working to improve their writing skills. Students will work independently, cooperatively and with the whole group to write and share ideas while learning to provide and receive constructive feedback. Students will learn how to create interesting pieces of writing that consist of a variety of genres. They will learn the editing process and have the opportunity to become very talented and strong writers.

Wrestling (Grades 6-11) Aliyev

Wrestling Club involves practicing the fundamentals of wrestling. Students will learn to improve and perfect these skills to participate in open competitions, improve overall fitness and have fun.

Math Olympiad (Middle and High School) Duzyol

In Elementary & Middle School Math Olympiad Club, students will receive enhanced instruction, explore real contest challenges, and may compete as a Math Olympiad team member. The purpose is to promote enriched critical thinking and nurture mathematical talents in our youth through more logic-based problems and creative problem solving strategies with ease and efficiency. Math Olympiad functions much like a football or soccer team, requiring preparation, commitment, coaching and practice throughout the year! These math problems stimulate the mind, enhance pattern recognition, and require logical reasoning capabilities. Students will extend their mathematical knowledge and critical thinking skills acquired in the math classroom with the assistance of coaches, who will guide students through math contest problems during the weekly practices. Math

Olympians will be selected from the applicants who apply during the first week of the school. This club includes intense focus on Math competitions, including but not limited to AMC-8, Math League, Math Counts, War Eagle, Cheetah Cup, Math Bee, and Math Kangaroo and many other local elementary, middle, and high school math competitions .

History Academic Team (grades 6-11) Rodgers

Trivia Club (Grades 6-11) Erkan

Students will be quizzed on all topics including math, history, language, culture, science, novels, sports, etc. Trivia will be team-based which will allow students to learn how work with others, listen to others while also thinking quick on their feet. They will be challenged to learn about areas they may not know much about, and able to show their expertise in areas they know much about!

Band Club (grades 6-11) Otim

Origami (grades 6-11) Korukmez

Origami is the art of paper folding where students learn to create unique three-dimensional objects from flat pieces of square paper. This club is for students interested in paper folding techniques discovered in this ancient Japanese art form.

Folk Dance (grades 6-11) Duman

AP Level Writing Club (grades 6-11) Rodgers

Art Club (grades 6-11) Sanders

Art Club attendees will have a great time gaining extra experiences in art history and artistic media use! Throughout the year the students will work on pieces over several weeks with projects being more student driven. The difference between art class and art club is that student interest will reflect the materials used and product created. You never know what great masterpieces Art Club will turn out next!

Robotics Team (grades 6-11) Kaya

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National Honors Society (grades 6-11) Selvakumar

The National Honor Society (NHS) is the nation's premier organization established to recognize outstanding high school students. More than just an honor roll, NHS serves to recognize those students who have demonstrated excellence in the areas of scholarship,

service, leadership, and character. These characteristics have been associated with membership in the organization since its beginning in 1921.

Today, it is estimated that more than one million students participate in NHS activities. NHS chapters are found in all 50 states, the District of Columbia, Puerto Rico, many U.S. territories, and Canada. Chapter membership not only recognizes students for their accomplishments, but challenges them to develop further through active involvement in school activities and community service.

(from www.nhs.us)