

A photograph of three children running through a field of yellow wildflowers. The child on the left is a boy in a blue shirt and denim shorts. The child in the middle is a boy in a light blue shirt and denim shorts, holding the hand of the child on the right. The child on the right is a girl in a light green shirt and blue shorts, holding a pink object. The background is a blurred green field under a clear blue sky.

NGHE 2018 SPRING CATALOG

north georgia homeschool enrichment





2016-2017 Class Calendar

FALL 2017 SEMESTER

August

14 - first day of class

21

28

September

04 (no classes for Labor Day)

11

18

25 (no classes for Fall Break)

October

02

09

16

23

30

November 06

13

20 (no school for Thanksgiving Break)

27

December

04 - Last Day for Elementary & Middle School Students

11 - HS Math/Science Only

18 - HS Math/Science Only (Last Day)

SPRING 2018 SEMESTER

January

15 - MLK Day - HS Math/Science Only

22 - HS Math/Science Only

29 - HS Math/Science Only

February

05 - FIRST DAY of CLASS!

12

19 - President's Day - HS Math/Science Only

26

March

05

12

19

26

April

02 SPRING BREAK (No Classes)

09

16

23

30

May

07

14

21 - *Last Day of Class*



For in Him, you have been enriched in every way--with all kinds of speech and with all knowledge.

1 Corinthians 1:5

NGHE CLASS DESCRIPTIONS

CLASS	DESCRIPTION	TIME	TIME	TEACHER	CATEGORY	K-2	3-5	6-8	HS	COST Class/ Supply Fee
Cakes & Candies	<p>Students will learn the basics of cake decorating. We will learn how to use several decorating tips. Our final project will be decorating mini-cakes to take home.</p> <p>Prepares you for entry-level cake decorator jobs in bakeries or cake shops or to establish your own business. Topics include, variety of icing, piping, and designing leafs and flowers.</p> <p>This class has ALL-NEW projects and experiments! Students that took this last semester will continue on with brand new fun and those who are new will have a blast with this class!</p>	11.00	11.00 AM	Adams, L	CULINARY			*	*	\$130/\$25 SEMESTER
Cakes & Candies JR/MINI	<p>Students will learn the basics of cake decorating. We will learn how to use several decorating tips. Our final project will be decorating mini-cakes to take home.</p> <p>Prepares you for entry-level cake decorator jobs in bakeries or cake shops or to establish your own business. Topics include, variety of icing, piping, and designing leafs and flowers.</p> <p>This class has ALL-NEW projects and experiments! Students that took this last semester will continue on with brand new fun and those who are new will have a blast with this class!</p> <p>Recommended for ages 10 and up.</p>	10.00	10.00 AM	Adams, L	CULINARY	*	*			\$130/\$25 SEMESTER
Rube Goldberg Machines	<p>For the uninitiated, Rube Goldberg was an American Pulitzer Prize winning cartoonist, sculptor, author, engineer, and inventor, and his work is a classic example of the melding of art and science. Goldberg began his career as an engineer, and later became a cartoonist who drew elaborate illustrations of contraptions made up of pulleys, cups, birds, balloons, and watering cans that were designed to solve a simple task such as opening a window or setting an alarm clock.</p> <p>Check out an example here: https://youtu.be/WouOdkM_QBE</p> <p>An even more elaborate one here used for a music video: https://youtu.be/qybUFnY7Y8w</p> <p>Interestingly, Goldberg only drew the pictures, and never built any of his inventions. However, these pictures have since served as inspiration for makers and builders who want the challenge of making wild inventions to solve everyday problems.</p> <p>This class teaches them the basics of understanding simple machines. The fun, hands-on lessons can be easily understood by almost any grand level, ability, or background.</p>	13.30	01.30 PM	Brown, D.	ENGINEERING		*	*	*	\$140/\$20 SEMESTER

Creative Writing JR	<p>Creativity is leaking out all over for young writers this semester. Students will write a chapter each week of a fabulous, magical, adventurous, colorful tale, full of dastardly characters and bright heroes. We will design and illustrate our “books”, all the while practicing important writing skills and building confidence!</p> <p>We will take time to share, discuss, revise, and improve our work each week, in addition to learning how to write dialogue, how to develop characters, and how to craft an interesting story line. Current students and new students alike are welcome, and both hesitant writers and prolific scribes are invited to try their pencils out on The Big Story!</p> <p>This is a continuation from last semester’s class with all new writing lessons and assignments. New students are welcome to this class to solidify a great foundation in writing!</p> <p>Age recommended: 4th – 6th grades</p>	13.30	01.30 PM	Calupca, C.	ENGLISH	*				\$140/\$20 SEMESTER
Drawn Together - Illustration Studies (INTRO)	<p>Taught by seasoned Atlanta Art Institute instructor, Kathy Faass, this class is for students who might be interested in pursuing a career in Graphic Design, Illustration, Comic Book Art or Animation.</p> <p>This art class covers concept design, layout, typography, illustration and story boards. Through exercises and projects, students explore 20th century artists and learn how to take a project from concept through completion.</p> <p>Students explore corporate identity, package design, ads, flip books and magazine layouts as well. Incorporate all of the elements of design into a comprehensive final piece that they can use in their portfolios.</p> <p>** This is a continuation class for students from Fall Semester, or open to new students! **</p> <p>Suggestion: Take “A(rt) in STEAM” to complement the art appreciation experience!</p>	10.00	10.00 AM	Faass, K.	ART: VISUAL		*	*		\$130/\$10 SEMESTER
Ancient History & Mysteries	<p>This ancient history class investigates the origins and development of ancient societies of major western and non-western civilizations through the Christian worldview. Included are the societies of the Near East, Africa, the ancient Hebrew civilization, Greece, Rome, and the classical civilizations of India and China. For each of these societies, emphasis is placed on the major contributions, achievements, and beliefs that have influenced civilizations across the centuries to the present day. This course stresses the special significance of geography in the development of the human story and provides the opportunity to study the everyday lives of people living in vastly different areas of the world. The course content focuses on the people in ancient societies; their problems and accomplishments; their social, economic, political structures, and belief systems; the tools and technology they developed; the arts they created; the architecture; the literature they produced; their explanation for natural phenomena.</p>	13.30	01.30 PM	Fallin, C.	HISTORY		*			\$130/\$30 SEMESTER
Ancient History & Mysteries JR	<p>This ancient history class investigates the origins and development of ancient societies of major western and non-western civilizations through the Christian worldview. Included are the societies of the Near East, Africa, the ancient Hebrew civilization, Greece, Rome, and the classical civilizations of India and China. For each of these societies, emphasis is placed on the major contributions, achievements, and beliefs that have influenced civilizations across the centuries to the present day. This course stresses the special significance of geography in the development of the human story and provides the opportunity to study the everyday lives of people living in vastly different areas of the world. The course content focuses on the people in ancient societies; their problems and accomplishments; their social, economic, political structures, and belief systems; the tools and technology they developed; the arts they created; the architecture; the literature they produced; their explanation for natural phenomena.</p>	14.30	02.30 PM	Fallin, C.	HISTORY	*	*			\$130/\$30 SEMESTER

Hands-On Econ: PlayDough Economics MINI & JR	<p>Economic literacy is important because economics is such an integral part of daily existence. Individuals who understand basic economic concepts are better equipped to make the important decisions that every citizen requires. This very hands-on curriculum was created by the Council for Economic Education 30 years ago, and is still relevant today!</p> <p>Each lesson introduces an economic concepts such as: goods and services; production; scarcity; consumer; producer; trade; money; specialization; capital; saving and investing; market price; cost and profit; inflation; and gross national product. The unique feature of these lessons is the use of modeling clay in each lesson. This is not only motivating, but it also provides concrete learning experiences that promote learning for most elementary students.</p>	12.30	12.30 PM	Fallin, C.	ECONOMICS	*	*			\$130/\$20 SEMESTER
ASL - American Sign Language: ADVANCED	<p>This is an overview of American Sign Language (ASL), its basic vocabulary, structure, syntax and grammar. Students focus on mastering the basics of fingerspelling, numbers, colors, facial grammar and sentence structure; students also learn conversational/cultural behaviors necessary to hold a beginning-level conversation in ASL, with deaf/hard-of-hearing native users of the language. Introductory information about deaf culture is presented, along with deaf humor, to provide students with a broad picture of language and culture.</p> <p>PREREQUISITE: American Sign Language (ASL) INTRO</p>	13.30	01.30 PM	Larsen, C.	SIGN LANGUAGE		*	*	*	\$130/\$10 SEMESTER
ASL - American Sign Language: INTRO	<p>This is the introduction to American Sign Language (ASL), its basic vocabulary, structure, syntax and grammar.</p> <p>Students focus on mastering the basics of fingerspelling, numbers, colors, facial grammar and sentence structure; students also learn conversational/cultural behaviors necessary to hold a beginning-level conversation in ASL, with deaf/hard-of-hearing native users of the language. Introductory information about deaf culture is presented, along with deaf humor, to provide students with a broad picture of language and culture.</p> <p>If you have already taken ASL in the Fall Semester, please register for ASL (Advanced)!</p>	12.30	12.30 PM	Larsen, C.	SIGN LANGUAGE		*	*	*	\$130/\$10 SEMESTER
Controlled Chaos: the Improv Experience	<p>Controlled Chaos is all about the art of improv - but more importantly, confidence!</p> <p>Through this class, students build self control, develop critical thinking skills, and gain confidence to perform in front of large groups without feeling self conscious. The objective of Controlled Chaos is to create a "judgment-free zone" to allow the students to explore and grow without the fear of rejection.</p> <p>Controlled Chaos has a "Who's Line Is It Anyway?" vibe and students work towards an end-of-semester showcase full of games, fun, and awesome improv techniques!</p>	13.30	01.30 PM	TBD	ART: DRAMA			*	*	\$140/\$15 SEMESTER
Controlled Chaos: the Improv Experience JR.	<p>Controlled Chaos is all about the art of improv - but more importantly, confidence!</p> <p>Through this class, students build self control, develop critical thinking skills, and gain confidence to perform in front of large groups without feeling self conscious. The objective of Controlled Chaos is to create a "judgment-free zone" to allow the students to explore and grow without the fear of rejection.</p> <p>Controlled Chaos has a "Who's Line Is It Anyway?" vibe and students work towards an end-of-semester showcase full of games, fun, and awesome improv techniques!</p> <p>Suggestion: Take The Young Actors Academy (10am) to build theater skills and experience!</p>	11.00	11.00 AM	TBD	ART: DRAMA		*			\$140/\$15 SEMESTER

Stage Combat - For Stage & Screen	<p>Light saber fights. Kung Fu challenges. The Matrix. All these stage and movie action fights are choreographed with exacting skills to make them appear real!</p> <p>This is an introduction and exploration of technical and aesthetic aspects of stage combat. Our main goals are to develop the ability to safely portray violence onstage within the context of a play or movie with specificity and dramatic power, as well as to understand how stage combat fits into the dramatic mediums as a whole.</p> <p>Other aspects include the development of strength and flexibility, eye/hand coordination, understanding and applications of principles of safety in working with a partner, and learning how to advance your character journey and develop ensemble work through each individual move in a fight sequence.</p>	10.00	10.00 AM	TBD	ART: DRAMA		*	*	*	\$130/\$20
Young Actor's Academy	<p>The Young Actors Academy develops an appreciation and understanding of theater and acting, allowing them to glorify God through their abilities. Numerous opportunities are available for students to learn acting techniques and apply that knowledge.</p> <p>NGHE's theatre program is now better than ever! Students discover and develop their acting techniques through a series of modules designed to broaden their theatrical horizons. Modules include training and rehearsing monologues, scene work, theatre history, technical theatre, and much more to give students a full understanding of how theatre works.</p> <p>Students gain confidence speaking and performing in front of large groups using learned problem-solving skills as well as working collaboratively with their peers towards a goal. the Young Actor's Academy is a year-long, one-hour class and has a showcase after each semester to present the new skills learned throughout the year.</p> <p>NGHE drama teachers are comprised of practicing professionals, vocalists, and choreographers, who work with the cast to help them discover their God-given gifts!</p> <p>All Young Actor's Academy students are encouraged to take the accompaniment improv class - Controlled Chaos: The Improv Experience for the second hour of drama</p>	12.30	12.30 PM	TBD	ART: DRAMA		*	*		\$150/\$10 SEMESTER
Drones, Drones, Drones! (INTRO)	<p>Why buy when you can build? For the same price as an entry level drone, this class teaches students to build their own mini quadcopter drone and leave with the skills and knowledge to keep it decked out.</p> <p>The course provides all the parts needed to build a drone that students can then adapt for flight, aerial videography, impressive acrobatics, or whichever technology hack they have in mind. Students learn about each component and how they work together - giving them the basis to develop their own applications.</p> <p>Take-aways include: a custom mini quadcopter, knowledge on how to assemble; basic soldering skills; parts list and reference materials</p> <p>Each drone is robust and cost-effective to maintain, and is sure to inspire imaginations - widening horizons in the growing drone culture! From this class, students develop the NGHE Drone Team competes in local competitions with fellow builders.</p>	11.00	11.00 AM	Martinson, Y.	TECHNOLOGY		*	*		\$145/\$65 SEMESTER

Drones! Drones! Drones! - (ADVANCED)	<p>After you've built your mini quadcopter in Drones!Drones!Drones! Intro, you will be ready to delve deeper into the details of customizing a quadcopter, flying a drone with proper certification, and utilizing your flight skills to tap into the expanding job field for those with flying skills!</p> <p>Students will work in teams to build and modify an intermediate level drone - carbon fiber frame, brushless motors, programmable flight controller, and more.</p> <p>They will learn:</p> <ul style="list-style-type: none"> ▪ How to program a flight controller while learning how each component works in easy to use terms. ▪ Quadcopter flight: Basic through Advanced FPV ▪ Video Documentation: Equipment and techniques ▪ The skills to build any multi-rotor type they desire! <p><i>Note: Drones do not go home with the students at semester's end.</i></p> <p>The students will also learn about the careers where drone knowledge and skills are taking many fields to the next level: real estate, surveying, public safety, search and rescue, cinematography, topography and more.</p> <p>PREREQUISITE: Drones!Drones!Drones! Intro</p>	10.00	10.00 AM	Martinson, Y.	TECHNOLOGY			*	*	\$140/\$30 SEMESTER
KABOOM! Science with Fire, Explosions & More!	<p>"Don't try this at home, kids!" All the best experiments that include fire, fizzing, foaming, explosions, and more. Students discover and analyze the more spectacular chemical reactions through science experiments that make science fun, memorable, and a great learning opportunity.</p> <p>Larger scale experiments are performed with fire and explosions.</p>	13.30	01.30 PM	Martinson, Y.	SCIENCE			*	*	\$140/\$30 SEMESTER
WMD's : the Wonders of Mass DISTRACTION	<p>At NGHE, we believe that kids are more capable than they know, and to prove it, we give them real tools to solve real problems.</p> <p>By learning through doing, we strive to make mistakes and learn from them, collaborate and make friends, and try harder than usual. With wood, with metal, with cardboard, and sometimes with paint, Tinkerers work with one another as well as NGHE's professional tinkerer, Mr. Yanek, to team-design and team-create amazing projects that are often bigger than ourselves.</p> <p>These opportunities that might appear a distraction are actually their opportunity for wonderful discovery!</p>	14.30	02.30 PM	Martinson, Y.	SCIENCE			*	*	\$140/\$30 SEMESTER
Digital Cinematography	<p>For this class, students should have basic computer knowledge (software knowledge not required). Students can sign up as film makers and/ or actors. Students create professional short film or TV show with a story idea of their choosing. Film makers learn the full production pipeline from start to finish such as script writing, storyboard artist, camera operator, director, and video editors.</p> <p>Actors gain skills for collaborating in performances based upon shot size and angle, emotional and physical continuity, strength, hitting marks, and crew skills (participating in film duties) to help finish the team project. This class is great for any student who wants to broaden their knowledge in the field of film making or acting.</p> <p>Students must bring their own laptop or rent a classroom laptop from NGHE (\$40/Semester)</p>	11.00	11.00 AM	Perez, A.	TECHNOLOGY			*	*	\$140/\$20 SEMESTER

Young Mavericks: Entrepreneur Academy	<p>Young Mavericks is a year-long class that transforms middle and high school students into real, confident entrepreneurs. Throughout the class, students develop business ideas, write business plans, conduct market research, create brand identity and, by year's end, pitch their plans to a panel of investors with the opportunity to win seed money to help launch and run their own real and fully formed business.</p> <p>Complete with dynamic guest speakers from the local business community and exciting behind-the-scenes trips to local companies, the fun, projects-based approach empowers students to take charge of their futures in a profound way.</p> <p>There is no need to reregister if you already have last semester.</p>	10.00	10.00 AM	Perez, A.	BUSINESS		*	*	*	\$150/\$50 SEMESTER
Passport to the World JR	<p>Students pack up their bags for a super fun "A to Z" guided language tour with Passport to the World based on the award winning <i>Passport to the World</i> book by Craig Froman. Students embark on a unique journey around the world based on languages. Opening with an account of the Tower of Babel where the world's one and only language was split into a wide variety of language families, students go on to cover one language and a focus country for many letters of the alphabet.</p> <p>This class includes a "real" passport to stamp with each country's seal and lots of hands on fun as they sample foods, play games and make crafts from each country. Optional homework for students to create their own lapbook at home and extend their study are provided each week.</p>	12.30	12.30 PM	Prashanth, S.	GEOGRAPHY		*			\$130/\$20 SEMESTER
R.I.S.E. - Readiness in Scientific Exploration JR	<p>R.I.S.E. JR. prepares grade school students for middle school science classes. Students learn procedural practices, record step-by-step experiment observations, and record and interpret results - all part of the "Scientific Method".</p> <p>Each week, students do hands-on learning through ALL-NEW experiments. Experiments vary with age/grade level and abilities.</p> <p>Please inform NGHE of any student allergies.</p>	10.00	10.00 AM	Prashanth, S.	SCIENCE		*			\$140/\$25 SEMESTER
R.I.S.E. - Readiness in Scientific Exploration MINI	<p>R.I.S.E. MINI prepares grade school students for middle school science classes. Students learn procedural practices, record step-by-step experiment observations, and record and interpret results - all part of the "Scientific Method".</p> <p>Each week, students do hands-on learning through ALL-NEW experiments. Experiments vary with age/grade level and abilities.</p> <p>Please inform NGHE of any student allergies.</p>	11.00	11.00 AM	Prashanth, S.	SCIENCE	*				\$140/\$25 SEMESTER
LITERATURE: All Aboard the Allegory Train!	<p>An allegory is a story (or poem or picture) that can be interpreted to reveal a hidden meaning.</p> <p>Let's explore together some great literature that uses this form such as <i>Pilgrim's Progress</i>, <i>Hinds Feet in High Places</i>, <i>Medallion</i>, <i>Faerie Queen</i>, and <i>Animal Farm</i>.</p>	12.30	12.30 PM	Rausch, S.	LITERATURE			*	*	\$140/\$10 SEMESTER
LITERATURE: High School Nonfiction	<p>Not all good literature is fiction! Nonfiction has become one of the fastest-growing genres in the literary and publishing community. It encompasses forms from memoir and personal essay to literary journalism, travel writing, and hybrid forms like the lyric essay, as well as many others.</p> <p>In this course, participants will get to experience a few of these subgenres. Weekly discussion and reading will focus on particular issues relevant to creative nonfiction.</p>	10.00	10.00 AM	Rausch, S.	LITERATURE			*	*	\$140/\$10 SEMESTER

Rite of Passage: Novel Adventures	Come join us as we venture into the pages of some great novels such as Call of the Wild, The Cay, The Secret Garden, Johnny Tremain, The Red Badge of Courage, Dragon's Blood, and The Hiding Place in this course for seventh and eighth graders in which adventure will be analyzed through novels and discussion as we share in this journey toward adulthood and all of the wonder, self-reliance, and transformation that entails. We will write, share, engage, and discuss who we are in relationship to the texts we explore.	11.00	11.00 AM	Rausch, S.	LITERATURE			*	*	\$130/\$20 SEMESTER
ChefMaster! - The Americas (North/Central/and South)	<p>In Chefmaster!, students focus on "why" foods are prepared the way they are, what history may exist behind the food or method of cooking and begin creating associations to which the students may relate. The two-hour long class delves into the science of cooking and teaches why food reacts the way it does in different situations and what the best approach is to obtaining the desired results.</p> <p>This semester will concentrate on preparing appetizers, main course, and desserts originating from the Americas (North/Central/and South). Cuisine from Canada, America, Mexico, Brazil, Peru, and others will be touched upon.</p> <p>While continuing to stress kitchen safety and healthy choices, students math skills are also challenged by measurement (both weight and volume), as well as reading and understanding directions. Basic chemistry and biology of food reaction are introduced, such as what makes bread rise or why different temperatures are chosen for different foods or methods of cooking.</p> <p>Many opportunities for experimentation are offered at this level. Students are encouraged to experience different flavor and texture combinations and put their own spin on recipes. Advanced cutting (including knives suitable for purpose) and knife safety are taught. Some kitchen tools used are the electric mixer, safety can opener, thermometer, measuring and cutting devices.</p> <p>**A special liability waiver must be signed by the parents**</p>	14.30	02.30 PM	Ribiero, C.	ART: CULINARY			*	*	\$250/\$150 SEMESTER 2-HOUR CLASS
ChefMaster! JR - The Americas (North/Central/and South)	<p>Chefmaster JR. is a hands-on cooking and nutrition class for 3rd-5th grade. Our kids cooking classes introduce youth to the pleasures of preparing and enjoying "real food" that is both nutritious and delicious - an essential step toward health and well-being.</p> <p>This semester will concentrate on preparing appetizers, main course, and desserts originating from the Americas (North/Central/and South). Cuisine from Canada, America, Mexico, Brazil, Peru, and others will be touched upon.</p> <p>Students learn basic cooking skills, the joy of eating and cooking with fresh fruits and vegetables, meats and other whole foods, and how to become empowered and conscious consumers in a marketplace that spends millions to persuade children to eat high-calorie, low-nutrient products.</p> <p>**A special liability waiver must be signed by the parents**</p>	12.30	12.30 PM	Ribiero, C.	ART: CULINARY			*		\$140/\$75 SEMESTER

Fun with Espanol!	<p>In Fun With Español!, young students learn Spanish in a fun and exciting with music and laughter - the most effective ways for kids to learn and grow especially when learning another language.</p> <p>Fun With Español! is designed to provide students with plenty of movement, music, and fun. This approach to teaching Spanish mimics native language acquisition – students having fun interacting with other students, while creating arts and crafts or singing along with their teacher! This is a natural process of learning, and it works, as well, for the second language as it works for native language learning.</p> <p>By simply being immersed and consistently talking, playing, singing and having lots of fun in Spanish, it has resulted in a rapid language learning program that kids love. With a no pressure environment, students love learning Spanish and feel comfortable using it. Fun With Español! provides students a foundation for learning a second language in a fun positive way.</p>	11.00	11.00 AM	Ribiero, C.	FOREIGN LANGUAGE	*	*			\$130/\$10 SEMESTER
Spanish	<p>While this is a continuation from Fall Semester, new students are able to join in!</p> <p>Students learn Spanish by focusing on the four key areas of foreign language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar.</p> <p>There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries, and take frequent assessments where their language progression can be monitored.</p> <p>The required textbooks are: Spanish 1 Student Text, Second Edition (BJU Press) - ISBN-13: 978-1-60682-061-2 Spanish 1 Student Activities Manual, Second Edition - ISBN-13: 978-1-59166-169-6</p>	10.00	10.00 AM	Ribiero, C.	FOREIGN LANGUAGE			*	*	\$140/\$10 SEMESTER
Biology [2-Hour/16-Weeks]	<p>In this comprehensive course, students investigate the chemistry of living things: the cell, genetics, the structure and function of living things, and ecology. The program consists of in-depth lessons including extensive animations, an associated reference book, collaborative explorations, virtual laboratories, and hands-on laboratory experiments students can conduct at home.</p> <p>Topics include the scientific method, characteristics of living things, energy, organic compounds, and water. Students review the structure and function of living things, the cell, genetics, DNA, RNA, and proteins. They review digestive, respiratory, nervous, reproductive, and muscular systems; and ecology and the environment.</p> <p>Required texts are: Exploring Creation with Biology 2nd Edition (Apologia) ISBN-13: 978-1932012545 Solutions and Tests for Exploring Creation with Biology (2nd Ed -Apologia) ISBN-13: 978-1932012552</p>	10.00	10.00 AM	Rivers, S.	SCIENCE				*	\$350/\$25 SEMESTER (16 WEEKS) 2-HOUR CLASS

Chemistry [2-Hour/16-Weeks]	<p>Through the study of chemistry, high school students will learn the science behind things they observe everyday! Chemistry explains properties of the food we eat, the beverages we drink, the medicines we take, the fibers we wear, and fuels in the cars we drive. Chemistry is a foundation to understanding the world around us and fundamental to other sciences such as biology, physics, geology, and environmental science.</p> <p>This full-year laboratory course makes chemistry come alive through hands-on activities, guided inquiry, and student projects. Each lab will feature a short discussion followed by active investigations, providing students with practical experience in laboratory techniques, data collection, scientific observations, and lab safety.</p> <p>Effort: Students should expect to spend 2-3 outside of lab class each week on assigned reading, prelab questions, and short assignments.</p> <p>Grading: The instructor will provide qualitative feedback on the student's class participation, preparation, and understanding of the material for the parent to assign a grade in the context of the student's overall study of this and related topics.</p> <p>- This is a 2-hour long Class</p>	14.30	02.30 PM	Rivers, S.	SCIENCE				*	\$350/\$25 SEMESTER (16 WEEKS) 2-HOUR CLASS
Physical Science [2-Hour/14 Weeks]	<p>A year-long course designed to allow students to explore the basic concepts of Physical Science. Students are introduced to the history and nature of science. The course includes an introduction to the fundamental concepts of Physics, Chemistry, Astronomy and Earth Science. Students are encouraged to explore the relationship between science and everyday life.</p> <p>Required textbook is <i>Exploring Creation with Physical Science</i> (Apologia) ISBN-13: 978-1932012774</p> <p>- This is a 2-hour long Class. Register only if you did not register in the Fall.</p>	12.30	12.30 PM	Rivers, S.	SCIENCE				*	\$350/\$25 SEMESTER (14 WEEKS) 2-HOUR CLASS
Archery/Archery JR	<p>This 14-session course is designed for the beginning or novice archer and uses recurve indoor target bows and equipment. The purpose of the course is to introduce students to the basic techniques of target archery emphasizing the care and use of equipment, range safety, stance and shooting techniques, scoring and competition.</p>	12.30	12.30 PM	Rodriguez, E.	PHYSICAL FITNESS				*	\$140/\$10 SEMESTER
Basketball & Beyond! JR	<p>There is an amazing opportunity through youth sports to teach kids how to succeed in life. In Basketball and Beyond!, students are challenged to redefine society's mainstream ideas of what it means to be successful (i.e. wealth, fame, etc.) and establish more value-based aspirations, standards, and life principles. In the process, students also receive the training to become better basketball players, regardless of skill level. Anyone who enjoys the game or could benefit from building life-skills is encouraged to participate.</p> <p>In addition to learning key basketball skills, Basketball and Beyond! teaches students how to have healthy standards for and expectations of themselves (what is "success"?), prepare for the future and learn from the past, discover, embrace and develop their talents and gifts, be authentic, face challenges and strengthen weaknesses, and so much more!</p> <p>Suggestion: Take CrossFit & Beyond! (1:30 PM) to strengthen and condition!</p>	14.30	02.30 PM	Rodriguez, E.	PHYSICAL FITNESS				*	\$130/\$10 SEMESTER

CrossFit & Beyond! JR	<p>CrossFit and Beyond! is a program that is designed with the specific functions of jumping, squatting, pushing, pulling, running and climbing that students find themselves doing in everyday life. It is a program aimed at developing fitness levels to optimize the enjoyment of their lives. To put it more simply, CrossFit and Beyond! helps students grow healthy and strong, and through that, to love every minute of the day.</p> <p>The program is also a great way to develop general athletic skills as a means of generating improvement in other sports. Classes are designed to incorporate elements of GYMnastics, body weight movements, running and jumping to ensure that kids develop overall improvement in and a love for fitness. This type of advancement transfers over to all sports!</p>	1.30	1.30 PM	Rodriguez, E.	PHYSICAL FITNESS		*			\$130/\$10 SEMESTER
Nerf Combat	<p>We will transform the gym into an arena for the kids to battle and play fun competitive games. Each week we will have skill challenges where the kids will get to practice and compete in different aspects of Nerf Combat, and then we will have an all-out battle to end out each week. Nerf has many benefits including teamwork, exercise, disciplined fun and learning to balance competition with good sportsmanship. Each child MUST have eye protection to participate. They may bring their own Nerf-type guns, but we will provide the “ammo” in order to prevent losing their equipment.</p>	11.00	11.00 AM	Rodriguez, E.	PHYSICAL FITNESS			*	*	\$140/\$10 SEMESTER
Nerf Combat JR	<p>Same as above “Nerf Combat”, but for the younger ones!</p>	10.00	10.00 and 11.00 AM	Rodriguez, E.	PHYSICAL FITNESS		*			\$140/\$10 SEMESTER
GameMaker Mobile Games	<p>This exciting class teaches students how to create completely original games and applications without typing a single line of code through the use of logic and assets. Even if students have never programmed before or built apps before, by the end of this course, students are capable of building apps and submitting them to an online app store.</p> <p>Before students even start building an app, they are taken through what makes a good app, and the limitations they might face during development. Students learn how to design a good user interface (UI) and how an app runs. From there, students jump right into building apps: designing the interface, animating, timing, and much more.</p> <p>Students must bring their own laptop or request one for rental from NGHE (\$40/semester).</p>	10.00	10.00 AM	Romero, S.	TECHNOLOGY			*	*	\$140/\$20 SEMESTER
Mindstorm LEGO Robotics	<p>This is a beginning course in robotics. We will be utilizing Lego Mindstorm kits, Robolab software and various Lego Robotics materials.</p> <p>The objective of this course is to introduce the student to basic programming as well as problem solving strategies. This course will involve students in the development, building and programming of a LEGO Mindstorm robot. Students will work hands-on in teams to design, build, program and document their progress. Topics may include motor control, gear ratios, torque, friction, sensors, timing, program loops, logic gates, decision-making, timing sequences, propulsion systems and binary number systems. Student designed robots will be programmed to compete in various courses as developed by First Lego League.</p> <p>This class has ALL-NEW projects and experiments! Students that took this last semester will continue on with brand new fun and those who are new will have a blast with this class!</p>	11.00	11.00 AM	Romero, S.	TECHNOLOGY		*	*	*	\$140/\$10 SEMESTER

Video Game Design (ADVANCED)	<p>Students use Autodesk Maya and Unity for Video Game Design. Students create 3D Models, 3D Animations, and Game Assets for Unity Game Engine. Autodesk Maya is used to sharpen the students skills in making custom-made props for student's levels. Animation skills are essential for making characters walk, run, jump, crawl, and idle in place. Unity Game Engine is used to import all the custom-made props to create the students level.</p> <p>Intermediates Level 1: Train in Autodesk Maya only Intermediates Level 2: Train in both Autodesk Maya and Unity</p> <p>Students must bring their own laptop or rent a classroom laptop from NGHE (\$40/Semester)</p>	13.30	01.30 PM	Romero, S.	TECHNOLOGY			*	*	\$140/\$10 SEMESTER
Video Game Design JR (INTRO)	<p>Students use software Autodesk Maya to create 3D environments for video games and 3D animation. Autodesk Maya is used by such game companies as Electronic Arts (Madden), Midway (Mortal Kombat), Nintendo (Metroid Prime), and Square Enix (Kingdom Hearts). Autodesk software is used for feature film animation such as Shrek, Life of Pi, and Transformers.</p> <p>Students must bring their own laptop or rent a classroom laptop from NGHE (\$40/Semester)</p>	2.30	2.30	Romero, S.	TECHNOLOGY			*		\$140/\$10 SEMESTER
Game On! Board Game Design	<p>Over the past decade, board games have gained increased prominence within the game industry. With the growing popularity of Euro-style board games, such as Settlers of Catan, Pandemic, and Dominion, board games have seen an unexpected resurgence among gamers of all kinds. Designing for board games brings about different challenges than designing for video games, but the skills can be applied universally to make all of your games better.</p> <p>Game On! is designed to teach you the fundamental philosophies of game design and apply them in a hands-on manner using a step-by-step process that develops your 'game design muscles.' The tips, tools, and techniques taught in this course exist to provide the practical resources needed for your game design. In addition, the information this course provides is a grounded study for any real life application where inspiration must combine with perspiration to create a marketable product of art, craft, and science (all of which apply to making games).</p> <p>Suggestion: Enroll in Game On! Extended Play (1.30pm) to dig deeper into dozens of game genres from across the globe with actual hands-on play among game peers!</p>	12.30	12.30 PM	Stafford, M.	MISC.			*	*	\$130/\$20 SEMESTER
Game On! Extended Play	<p>Game On! Extended Play is a rich and in-depth complement to the Game On! Design class, and for anyone who is interested in discovering more of the history of board games. The "Game Design Muscles" of the brain are challenged even more when students are introduced to the collection of over 2500+ board games in "Mike the Game Guy's " arsenal. Week by week, Mr. Mike introduces a set of games categorized by either strategy, theme, goal, focus, interaction, immersion and so much more!</p> <p>Like the Game On! Game Design class, the information this course provides is a grounded study for any real life application where inspiration must combine with perspiration to create a product of art, craft, and science - all of which apply to games.</p> <p>Math, geography, and history are just a few of the cross-disciplinary learning challenges that will be experienced by Gamers!</p> <p>Suggestion: You should also take Game On! Board Game Design to learn more about the multi-billion dollar board game industry all while using strategy and design skills to build an actual game to take home!</p>	13.30	01.30 PM	Stafford, M.	MISC.			*	*	\$130/\$10 SEMESTER

Math EDGE: Fractions, Decimals, and Percents	<p>Can math feel fragmented? The Math Mosaics class (no relation to the Math Mosaics Curriculum) builds a solid foundation by taking the math concept pieces, putting them together, and filling in the gaps to create a clear picture and understanding of these math concepts.</p> <p>There are pieces relating percents to decimals and fractions, comparing and ordering, solving multistep practical problems and determining the percent of increase or decrease for a give situation. Students are expected to understand the relationship between fractions, decimals and percents and that rational numbers can be expressed as fractions, decimals and percents.</p> <p>This class is great as a stand-alone, or supplemental class, for the developing student prior to taking Pre-Algebra/Algebra.</p> <p>Give your student “the edge” in Middle/High School math!</p>	14.30	02.30 PM	Stafford, M.	MATH			*	*	\$150/\$60 SEMESTER
Creative Writing	<p>What could your dog tell you about relationships? How do dragons learn to fly? Do your socks miss you when you leave? Doppelgangers and anthropomorphism are just a couple of the tools we'll use to write our wild and witty stories. Sprinkle in a bit of poetry, some opinion, a tall tale or two, and scintillating dialogue, and we'll have a semester full of creative fun. We will practice writing from many different angles, while learning how to make our pieces POP!</p> <p>We may even absorb a few grammar, spelling, and style tips along the way. Each week our middle school scribes will write (in class and at home), edit, and share ideas. Recommended for students 12 – 15 years old.</p>	14.30	02.30 PM	TBD	ENGLISH			*		\$140/\$20 SEMESTER
Stop Motion Animation	<p>Students will recognize stop motion animation from movies such as The Nightmare Before Christmas, Wallace and Grommit and Coraline. Stop Motion Animation is an excellent way to have students begin to explore the world of movie making.</p> <p>This course will offer skill development in the use of software to develop storyboards and Stop Motion animation including creating, importing and sequencing media elements to create multi-media presentations. Emphasis will be on conceptualization, creativity, and visual aesthetics. This course takes the students through various aspects of Stop Motion animation using a variety of materials and techniques. Developing concepts, storyboarding and production of several stop motion animations will be accomplished.</p>	12.30	12.30 PM	TBD	TECHNOLOGY			*	*	\$130/\$20
A(rt) in STEAM	<p>Art and Science greatly overlap. Much like scientists, engineers and inventors, artists use imagination, observation, exploration, problem solving, trial and error and geometric/mathematical principles in their creative works. Art masters like Leonardo DaVinci were not only great painters, but scientific masters and innovative thinkers! The paint and pottery glaze colors we have today are direct results of scientific experiments with color pigments and chemical reactions.</p> <p>This fun and informative class cultivates creative thinking while developing skills related to color theory, lines, shapes, textures/patterns and composition. This is a multimedia art study which incorporates, drawing, watercolor, acrylic, collage, pastel, pottery, glass fusion, print making and art history. In addition to teaching core art skills, our goal is also foster, innovate thinking, problem solving skills, mathematical aptitude and self-confidence.</p> <p>** This is a continuation class for students from Fall Semester, or open to new students! **</p>	14.30	02.30 PM	Teague, J.	ART: VISUAL			*	*	\$130/\$30 SEMESTER

A(rt) in STEAM JR	<p>Art and Science greatly overlap. Much like scientists, engineers and inventors, artists use imagination, observation, exploration, problem solving, trial and error and geometric/mathematical principles in their creative works. Art masters like Leonardo DaVinci were not only great painters, but scientific masters and innovative thinkers! The paint and pottery glaze colors we have today are direct results of scientific experiments with color pigments and chemical reactions.</p> <p>This fun and informative class cultivates creative thinking while developing skills related to color theory, lines, shapes, textures/patterns and composition. This is a multimedia art study which incorporates, drawing, watercolor, acrylic, collage, pastel, pottery, glass fusion, print making and art history. In addition to teaching core art skills, our goal is also foster, innovate thinking, problem solving skills, mathematical aptitude and self-confidence.</p> <p>** This is a continuation class for students from Fall Semester, or open to new students! **</p>	13.30	01.30 PM	Teague, J.	ART: VISUAL		*			\$130/\$30 SEMESTER
A(rt) in STEAM MINI	<p>Art and Science greatly overlap. Much like scientists, engineers and inventors, artists use imagination, observation, exploration, problem solving, trial and error and geometric/mathematical principles in their creative works. Art masters like Leonardo DaVinci were not only great painters, but scientific masters and innovative thinkers! The paint and pottery glaze colors we have today are direct results of scientific experiments with color pigments and chemical reactions.</p> <p>This fun and informative class cultivates creative thinking while developing skills related to color theory, lines, shapes, textures/patterns and composition. This is a multimedia art study which incorporates, drawing, watercolor, acrylic, collage, pastel, pottery, glass fusion, print making and art history. In addition to teaching core art skills, our goal is also foster, innovate thinking, problem solving skills, mathematical aptitude and self-confidence.</p> <p>** This is a continuation class for students from Fall Semester, or open to new students! **</p>	12.30	12.30 PM	Teague, J.	ART: VISUAL	*				\$130/\$30 SEMESTER
All Fired Up: Clay & Glass Fusion	<p>Students engage in an exploration of kiln fired clay and glass. Students learn a variety of hand-building pottery techniques: slab building, coiling, and pinch pots. Textural and glaze enhancements are also covered.</p> <p>In addition to clay work, students learn the art of glass fusion. They explore safe glass-cutting practices, types of fusible glass and two fusion-firing methods. Students can create fused glass plates, vases, votive holders, wind chimes and more!</p> <p>** This is a continuation class for students from Fall Semester, or open to new students! **</p>	11.00	11.00 AM	Teague, J.	ART: VISUAL		*	*		\$130/\$30 SEMESTER