

Moore Square GT/AIG  
Basics Museums Magnet  
Middle School

***Elective Course Catalog***  
**2016-2017**

## ***Career and Technical Education***

*All CTE courses are semester long.*

### **Project Lead the Way**

- **Design and Modeling (Semester)**—Students apply the design process to solve problems and understand the influence of creativity and innovation in their lives. They work in teams to design a playground and furniture, capturing research and ideas in their engineering notebooks. Using Autodesk© design software, students create a virtual image of their designs and produce a portfolio to showcase their innovation solutions.
- **Automation and Robotics (Semester)**—Students trace the history, development, and influence of automation and robotics. They learn about mechanical systems, energy transfer, machine automation and computer control systems. Students use a robust robotics platform to design, build, and program a solution to solve an existing problem. *Prerequisite: Design and Modeling.*
- **Advanced Automation and Robotics (Semester)**—The Advanced Automation and Robotics course builds upon the structural and mechanical engineering concepts learned in the prerequisite course Automations and Robotics. In this course, students are taught electrical and computer engineering and computer programming. *Prerequisite: Automation and Robotics*

### **Exploring Family and Consumer Science (FACS)**

- **Exploring Interpersonal Relationship and Childcare**—This course covers interpersonal relationships, child development and education. Students are eligible to receive the American Red Cross© Babysitter certification.
- **Exploring Apparel and Interior Design**—This course covers apparel and interior design. Students will explore factors influencing clothing choices, basic clothing construction techniques, and the function of marketing on clothing choices. Students will also understand the basic principles of design, sustainable design and managing a living space.
- **Understand Personal Finance and Hospitality**—This course covers personal finance, resource management, food service and hospitality. Students will have to opportunity to achieve personal finance literacy and understand the basics for food service, food safety and sanitation, culinary and hospitality. Students are eligible to receive EverFi Vault™ and the NCeFoodhandler™ certifications.

### **Computer Skills and Applications (Semester)**

#### **Keyboarding and Basic Word processing (Part I) and Digital Literacy (Part II)**

**(Formerly Computer Skills and Applications I)**—These courses are designed to allow students to learn the touch method of keyboarding, digital literacy and computer knowledge, and basic word processing and document formatting skills.

#### **Advanced Computer Skills and Applications (Semester)**

**Introduction to Office Productivity (Part I) and Office Productivity Applications (Part II) (formerly Computer Skills and Applications II)**—This course is designed to provide hands-on instruction in basic computer hardware components and software applications. Emphasis is placed on extending and reinforcing touch keying skills while providing experience for learning word processing, database, spreadsheet, graphics, multimedia, and telecommunications applications. Communication skills and basic mathematical concepts are reinforced in this course. *Prerequisite: Computer Skills and Applications or Keyboarding and Basic Word Processing.*

## **Exploring Business, Marketing and Entrepreneurship**

**Exploring Business and Entrepreneurship and Exploring Business Activities (formerly Exploring Business Marketing & Entrepreneurship)**—This course is designed to explore the nature of business, entrepreneurial skills, and to study related career fields such in financial services, information technology, marketing, office systems technology, public relations and promotion, and travel and tourism. This course contributes to the development of a career development plan. *Prerequisite: Advance Computer Skills or Introduction to Office Productivity.*

## ***Dance***

*When necessary all auditions for dance classes must be arranged with the instructor prior to the first day of class. In most cases, this must be done during or prior to the semester registration process.*

**Dance Ensemble (Year-long)**—A select group of dancers who create dances in a collaborative process. Dances are performed in the community and in the Spring Dance Concerts. This course is for the serious dancer only. Performance mandatory. *Prerequisite: Audition required.*

**Introduction to Dance**—An exploration of movement for the interested dancer. Dance is experienced in various forms including modern, ballet, jazz, and folk while building strength, flexibility, and coordination. In this course dancers will dress out daily in required dance clothes and perform either barefoot or in dance shoes.

**Magnet Athletes in Dance (Yoga)**—This course applies basic dance techniques to athletics. Students in this course increase their flexibility, strength, coordination and agility with emphasis on preventing injuries to joints, muscles and connective tissues.

**Magnet Contemporary & Hip Hop (Boy's Ensemble)**—This hybrid class teaches a non-traditional style of jazz to a generation experiencing its evolution. Students study this new style by learning technique, performing and choreographing short contemporary pieces, and studying this dance style's dominance in the present day world. Knowledge of safe dance practices and respect for other styles of jazz that contributed to this modern style will also be part of this course.

**Modern Dance I**—Students explore basic improvisation and composition as it relates to modern dance. Skills of the early pioneers of modern dance are also part of this elective. In this course dancers will dress out daily in required dance clothes and perform either barefoot or in dance shoes. *Prerequisite: Intro to Dance.*

**Modern Dance II (Semester)**—This technique course offers a more intensive study of the skills introduced in Modern I. Performance opportunities will be provided. *Prerequisite: Modern Dance I with a B average or above.*

**ZumbAtomic**—This high energy fitness course that will focus on the technical elements of Zumba dance styles.

Students will be involved in high energy fitness dancing daily while also learning the history of Latin dance rhythms like Merengue, Salsa, and Cumbia. Student grades will come from daily classroom participation and activities and written assignments.

## ***General Studies***

**Chess**—Students study chess history, rules, information, and notation systems. They apply strategic concepts and principles through many practice games. As the students learn the intellectual, aesthetic, and sporting obligations of the chess player, their insights help them grow intellectually.

**Odyssey of the Mind (3 quarters)**—Develop problem solving skills through logic activities, and get ready for the annual OM competition. OM is an international educational program that provides creative problem-solving opportunities for students from kindergarten through college. Kids apply their creativity to solve problems that range from building mechanical devices to presenting their own interpretation of literary classics. They then bring their solutions to competition on the local, state, and World level. Thousands of teams from throughout the U.S. and from about 25 other countries participate in the program.

**Student Council (year-long)**—Student Council, an organization run by an elected student Executive Board, is an exciting course. Throughout the year, we work on various school events such as service projects spirit weeks and school dances. Student Council is a service-learning elective which promotes volunteerism and school spirit. It is a year-long elective. *Application Form required plus a teacher recommendation form.*

**Yearbook (3 quarters)**—Students will create layouts, take pictures, and develop captions and stories. Students will learn how to develop a theme and how to submit completed pages. Students will work with Jostens online and other photo correcting software. An introduction to the business of literary production that includes the sampling of technical concepts in layout design, sales, and marketing. *Application Form required plus a teacher recommendation form.*

## ***Health and Physical Education***

*Students are expected to dress out for all P.E. electives.*

**Basketball I & II**—Basketball I and II covers the fundamentals of basketball, which includes the history, terminology, safety, equipment, scoring, and basic skills of the game. Drills, relays, and lead-up games, as well as team situations are part of the elective.

**Flag Football**—Learn the basics of flag football. At this level, students are introduced to the history, terminology, safety, strategy, scoring, and basic skill of the game. Drills, relays, and lead-up games, as well as team situations are part of the elective.

**Floor Hockey**—Basic skills will include the controlling, passing, and shooting in this beginning level floor hockey elective. Offensive and defensive positioning will be covered. Drills, relays, and lead-up games as well as team situations are part of the elective.

**Healthful Living (Semester)** — *Required for 8<sup>th</sup> graders.* This course is designed for students to gain knowledge and adapt to healthy living. Some of the topics covered in the course include physical fitness, nutrition, tobacco, alcohol, healthful decision making, infectious and chronic disease.

**Lacrosse**—The fundamentals of lacrosse are taught in this entry level elective. At this level, students are introduced to the history, terminology, safety, equipment, scoring, and basic skills of the game. Drills, relays, and lead-up games as well as team situations are part of the elective.

**Net Games**—A variety of activities that involve passing an object over a net are incorporated into this elective. Examples might include deck tennis, beach ball blast, team paddle ball, badminton, and Newcomb.

**Rhythmic and Ropes**—Designed for students interested in improving fitness and muscle tone by “moving to the beat”. Some activities that may be included are: jumping rope, tinkling, and stepping. After an introduction to each, students will be expected to develop their own routines.

**Soccer**—At this level, students are introduced to the history, terminology, safety, equipment, scoring, and basic skills of the game. Skill development through the use of drills, relays, and lead-up games are part of this elective. Students will have opportunities for team situations.

**Softball and Kickball**—Designed for students interested in improving coordination, confidence and knowledge in a variety of sports and activities with a very minimal amount of competition. Skills are emphasized through drills and modified versions of kickball and softball.

**Track and Field**—Introduction to the sport. Students will be informed of the different events that make up a middle school track meet, and how to score a meet. Basic techniques of field and running events, as well as shot put and long jump will be covered. Running events will include the 60 yd. dash, 100 yd. dash, 220 yard run, 440 yard run, 880 yard run, and various relays.

**Volleyball**—At this level, students are introduced to the history, terminology, safety, equipment, scoring, and basic skills of the game. Skill development through the use of drills, relays, and lead-up games are part of this elective. Students will have opportunities for team situations.

## *Instrumental Music*

### *Band*

**Beginning Band (year-long)**—Students learn to play a brass, woodwind, or percussion instrument. Emphasis is on the acquisition of basic musical skills and systematic progress rather than performance; however, band classes perform several concert compositions. Performances required.

**Advance Band (year-long)**—Designed for Moore’s most advanced musicians. Students will play challenging music of various styles emphasizing technique and musicality. *Teacher recommendation only.*

**Magnet Jazz Band (2<sup>nd</sup> Semester)**—Provides students an opportunity to learn and perform music from four different styles in a big band setting—swing, rock, ballad, and Latin/Afro Cuban. Students will also explore beginning concepts of jazz improvisations, knowledge of chords and jazz history. *Teacher recommendation only.*

### *Orchestra*

**Apprentice Strings (year-long)**—Designed for students with modest level of experience as well as for the beginner, this course instruction in strings (violin, viola, cello, & bass) includes the demonstration of correct posture, both right and left hand, selected scales and traditional repertoire. A variety of approaches are combined to engage students with different learning styles. The tasks of reading and writing of music are divided, as skills apart from performance. One mandatory evening performance per quarter.

**Advanced Strings (year-long)**—Designed for students with advanced level of experience as well as for the beginner, this course instruction in strings (violin, viola, cello, & bass) includes the demonstration of correct posture, both right and left hand, selected scales and traditional repertoire. A variety of approaches are combined to engage students with different learning styles. The tasks of reading and writing of music are divided, as skills apart from performance. One mandatory evening performance per quarter. *Teacher recommendation only.*

### *Other Instrumental Courses*

**Guitar**—Get your guitar out of the closet – acoustic only. Learn the fundamentals of guitar playing. Bring your instrument (loaners may be available). Weekly in-class performance opportunities are provided.

**Piano Lab I**—beginning piano students

**Piano Lab II**—For students who have received an “A” in Piano I or who have taken at least two years of private piano. *Prerequisite: Piano I or two years of private piano lessons.*

## *Language Arts*

**African American Literature**—This class is designed to give students an appreciation for the contributions of African American writers to American literature and to help them understand how literature reflects culture. Students will examine the understanding of the conflict between people and philosophies through critical reading, oral discussion and personal writing.

**Bah Humbug**—Say “Charles Dickens” and students probably connect the name to the classic A Christmas Carol. But, most students do not know that the life of Charles Dickens is expressed through many of his other classical novels. In this course, students will learn about his real life experiences and connect these to his works of literature.

**Creative Writing**—Express yourself! Through this course you’ll discover and refine a variety of writing styles that will allow your thoughts to come alive! Polish your writing and make it more effective, lively, descriptive and cohesive.

**Film Analysis**—Love to watch movies? Through the study of various genres and time periods of film, students will focus on the many components and skills involved in creating memorable films. Students will develop the ability to critically view a film (like a real film critic) and focus on the components (like acting, directing, and sound) that help create memorable films. By analyzing the many aspects of films and filmmaking, students will gain a better appreciation of the art of filmmaking.

**Journalistic Reporting**—Our world is filled with information. Ever think about being someone who passes that information along to the rest of the world? If so this elective is for you! Explore the major types of new formats from brief historical beginnings through our ever-changing, 24 hour, mass-media news culture. Learn how to analyze, evaluate, and create your own dynamic journalistic pieces!

**Mystery and Suspense**—The class will focus on short stories, films and writings of some of the most famous mystery writers in the English language. Students will learn the elements of suspense by studying these works and develop original products incorporating those elements including writing an original mystery. Writers introduced include Edgar Allan Poe, Agatha Christie, Rod Sterling and Sir Arthur Conan Doyle.

**Poetry in Motion**—Love poetry? Want to learn to love it? This elective takes a student-centered approach to this literary art. Students begin by creating a personal anthology that expands throughout the quarter with their own works. Student collaboration, artistic interpretation, creative writing and use of computers are incorporated.

**Public Speaking & Debate**—Write, deliver, classify and critique formal and informal speeches. Elective includes organization of material, voice projection, and persuasion of an audience, as well as panel discussion. Do you love to argue? Learn to do it constructively and persuasively! Learn to consider both

sides of an issue. Writing, classifying, delivering, and critiquing speeches, as well as debating and panel discussions will be part of this elective. Argue your point-what could be more fun?

**Science Fiction**—Picture the future and expand your appreciation for Sci-Fi literature. Sci-Fi in popular culture will be explored, and imaginative use of technology will be encouraged. Create an original story through process writing.

**Storytelling through Coding**—Learn how to “tell a tale” by experiencing folk tales, fables, legends, myths, epics, ballads, and modern short stories. Write your own- have an opportunity to tell your story through coding! Students will also learn computer science and programming within the context of middle school language arts - as a tool to teach share the stories they create.

**Video Literature** –Are you a movie buff? Book buff? Which do you normally like better—the movie or book version of a literary work? In this elective, students develop skills in critical thinking and reading by reading and viewing literary works. The course will focus on reading skills and other literary elements such as a plot, characters, dialogue, mood, tone, and climax. Students will use conventional literary elements to determine the differences and/or similarities between books and the film versions of the books.

**Wonderful Words**—Expand your vocabulary through knowledge of word origins and their relationship to modern English and other romance languages. Whether you’re a lexophile—lover of words—or not, wanting to be a better reader by learning suffixes, roots, and word derivations, this elective is for you!

## *Mathematics*

**Fantasy Sports Math**—Do you like sports, statistics, and math? In this course you will analyze and forecast players from professional sports. You will study their statistics, conduct an in-class player draft and follow your fantasy team throughout the nine weeks. Students will look up box scores and compute their team’s points earned everyday utilizing various types of math concepts. You will also display your team’s progress by making graphs.

**Financial Finesse**—Learn what you need to know to get on a great financial path! The skills you learn in this elective will give you the financial intelligence you’ll need to set yourself up for a healthy future. Use what you learn to manage money you have now—allowances, odd jobs—and the money you’ll earn in the future. A fun interactive way to learn about personal finance!

**Fun with Numbers**—Do you find math boring or confusing? Would you like to feel more comfortable with how numbers work together? Is it even possible for math to make sense and be SUPER useful to you? Come strengthen your math skills and have FUN with NUMBERS!

**Geometric Construction**—Stretch your problem solving skills by applying geometric concepts to solve 3D geometry challenges! Symmetry, motion, figure study, and model making are also part of this elective. Maze creation and hands-on math projects push you to think in 3D. Create your own 3D puzzles for others to experience and develop your ability to look at problems in more than one way!

**Graph It**—Work with range, mean, median and mode to construct picture, bar, line and circle graphs as well as histograms! Coordinate graphing is also coordinated.

**Math Art**—Explore and enjoy math through art and puzzles. Work with tangrams, paper folding/origami, and patterning as you advance your skills in geometry and logical thinking.

**Numbers: We Use Math Everyday**—To predict weather; to tell time; to handle money. Math is more than formulas and equations. It's logic, its rationality; it's using your mind to solve the biggest mysteries we know. Inspired by actual cases and experiences, Numb3rs depicts the confluence of police work with solving crime. An FBI agent recruits his mathematical genius brother to help solve a wide range of challenging crimes in Los Angeles from a very different perspective.

**The Number Devil**—The international best-seller that makes mathematics a thrilling exploration. In twelve dreams, Robert, a boy who hates math, meets a Number Devil who leads him to discover the amazing world of numbers: infinite numbers, prime numbers, Fibonacci numbers, numbers that magically appear in triangles and numbers that do not expand. As we dream with him, we are taken further and further into mathematical theory.

**The Stock Market**—Study the process and considerations of investing in the stock market. Students choose a company, track its stock for gains and losses, and present their findings to the class. Vocabulary, such as Bull market, P/E ratio, ticker symbols, profit, day trader, mutual funds, etc., is learned. Current economic indicators and their effects are discussed. Students participate in the North Carolina SMS Stock Market Simulation- an on-line, real-world, real-time interactive computer program.

**Quizzical Quilts**—This course is an introduction to the art of quilting using mathematical concepts. Students learn basic quilting techniques and create small paper and fabric quilts. Topics include the history of quilting, quilt design, and the relationship between algebraic and geometric concept and quilting.

## *Science*

**Animal Science: The Pet Vet**—Come journey into the science of our most loved pets. Explore the habitats, adaptations, relationships, and care of mammals, reptiles, amphibians, birds, aquatic life, and insects. Learn the classification system scientists use to study these fascinating creatures. Conduct your own research using books, internet, and live animals. Discover animal careers and the challenges and joys they bring. If you love animals, this is the place for you!

**Chemistry**—What is the purpose of learning chemistry? In this course you will embark on a journey learning how chemistry helps uncover many mysteries, diagnose problems and yes, even solve crimes! Meet Atom, the original building block of life and all things. Investigate Atom's origin and many talents. From bonding to burning, Atom is responsible for initiating all reactions.

**Field Biology I and II**—Field Biology is a hands on course that offers students a unique way of learning about their environment and the plants and animals who live in it. Students will be using CBL probes and calculators to determine the best place to plant flowers and put up bird and butterfly houses. Students will learn to identify tracks, songs, and noises of animals.

**Future Cities**—Do you ever wish you could create the perfect place to live? This STEM elective is a hands-on environment in which you can create and present your vision of a city of the future! This elective uses SimCity software to help you design your future city. Be ready to practice teamwork, communication, and problem-solving in this challenging elective!

**Mousetrap Cars**—Learn about motion by creating mousetrap cars and other wheeled vehicles! Analyze and predict the motion of objects, devices, and systems, understand the forces that act on them. Design, build and test a mousetrap racing car!



**Science Olympiad**—This course enables students to apply Science and Mathematics concepts and principles in innovative situations that enhance problem-solving skills. Independent and group projects are completed under the guidelines of the National Science Olympiad. Students in this course will have the opportunity to compete in local and regional competitions. They may also be able to participate in state and national Science Olympiads depending on placement at the local and regional level.

**Space Adventures**—Study the history and mechanics of space exploration and travel through this hands-on elective. Who knows! Some day you may be the one to get humans to Mars!

**Thrill Ride: Physics through the Amusement Park**—Ever wonder how those stomach-dropping rides in the theme parks are designed? In this elective you'll have hands-on experience exploring how they work, how they're designed and how forces affect all our fun!

**Lab Busters**—Urban legends or truth? How can you find out if what you hear about something happening is truth, a colorful hoax, or a little of both? Use the scientific process to discover whatever “myth” you choose to “bust”!

## *Social Studies*

**American Politics**—Ramp up your understanding of the development and present-day workings of the American political system. See how important the history of politics impacts your rights today!

**Archaeology: Dig It!**—How do we know the dinosaurs existed or what early humans looked like? What's the science and history behind these dusty finds? Processes, tools, methods, and interpretations of buried artifacts are the basis of this course. Learn the importance of artifacts found all over the world including in North Carolina!

**Around the World in 45 days**—Have you ever wanted to travel to Europe? Australia? Africa? In the next 45 days you will create a travel agency and visit each of the 7 continents. When visiting each continent you will have to become an expert of the land in order to create trips that will last a lifetime. The future of the company is in your hands! Good Luck!

**Create a Nation**—Use the 5 Themes of Geography and your understanding of government to create your own “ideal nation!” Study other nations and situations around the world to learn from others while increasing your cultural knowledge. If given the chance, how could you make it better?

**Geography: Where in the World Are We?**—Learn about your place within the five themes of geography in the interactive elective. Visual arts, music, and satellite imagery help you learn about your world!

**Global Conflicts**—Learn about the major global conflicts of the 20th Century. This course includes studies of WWI&II, Korean War, Vietnam War, and the Persian Gulf War, as well as current world conflicts.

**It's In The News**—Students will develop an interest in current events and how they are reported. They will develop interest through reading newspapers, major news periodicals (Times and Newsweek), watching the news, as well as keeping up with current events through online news agencies. Students will research these events and conduct seminars concerning the events in which they will be able to voice their opinions pro and con.

**Menu Matters**—Using the youth edition of Michael Pollan’s *The Omnivore’s Dilemma: The Secrets Behind What You Eat* and *Nourish*, students will analyze text and complete a variety of projects concerning the impact of their food choices. In addition to learning about their own personal food choices students will examine issues surrounding sustainability, research food cultures around the world, experiences food choices available in their own communities and study the impact of “food desserts” around the United States.

**The Fabulous Sixties**—Immerse yourself in a time of great change for our country. This turbulent, transitional, exciting decade will be explored through drama, Paideia seminars, internet research, oral history interviews, primary source materials and movement.

**Youth and the Law**—How does the law affect you? Through “peer simulations” of trials, video examples, and guest speakers, you’ll get a taste all the different aspects of the legal system. Learn about civil and criminal law, the court system, youth rights and responsibilities and consequences of actions or decisions.

## *Theater Art*

**Acting I**—In this course, students will explore characters and situations through their creative resources using theatre games and extended improvisational situations and prepared scripts. They begin to understand the proper use of voice and diction. This course includes an overview of the historical development of the actor’s art.

**Acting II**—This course offers students the opportunity to develop acting skills at a more advanced level. Students are challenged to become disciplined in acting techniques and to go beyond the classroom to independently develop a working knowledge of acting. Accents and dialects are studied. Minimal memorization for a final scene is required. *Prerequisite: Acting I*

**Drama Production (2<sup>nd</sup> Semester)**—Students will perform all functions necessary for production of in-depth plays, including script analysis, directing, acting and the awareness of the importance of set design and construction, and lighting design. Students will work in groups and undertake a wide range of responsibilities. *Prerequisite: Previous theater experience and audition.*

**Magnet Introduction to Theatre**—Learn the basics of all aspects of theatre production! In this course you will study acting, directing, design and playwriting. Most activities are hands-on and participation every day is expected—from Greek Theatre to a behind the look at *The Lion King*—you will collaborate and create multiple projects while learning to develop creative skills as a theater artist.

**Magnet Improvisation**—In this course, students will explore improvisation techniques to develop skills in spontaneous acting. Students will learn to create scenes and situations through theatre games. Students will also learn the rules of improvisation through classroom experiences.

## *Visual Arts*

**Magnet Advanced Design 2D**—*Open to 8<sup>th</sup> graders ONLY.* This advanced level course emphasizes the principles of art and design to achieve strong compositions. Advanced work will feature multiple approaches to creative problem-solving using a variety of two-dimensional mediums such as collage, graphic design, painting and photography. Students will be challenged to work with others and contribute to the collaborative process. They will have the opportunity for independent study and are expected to be motivated to follow through on a project from ideation to finished product.

**Magnet Carolina Crafts**—The craftwork traditions of North Carolina are introduced in this course, providing the student with the opportunity to learn the skills and history of folk craft. The class will focus on the once pervasive utilitarianism of crafts and trace the growth of the artistry into today. Students will capture the four geographic regions of the state, the natural resources and local craftspeople in each region, along with the techniques that have been preserved or evolved over time. Students will create crafts using techniques such as basketry, weaving and pottery.

**Magnet Commercial Art**—This course will put an emphasis on understanding and application of the principles of design—balance, movement, repetition, emphasis, contrast and unity. The students will use these principles to design posters, advertisements, mock billboards, and product packages. Craftsmanship will be emphasized. The students will use their understanding of the principles of design to analyze advertisements and determine how each principle is used to convey a message.

**Magnet Drawing I**—A rigorous course devoted to strengthening hand-eye coordination, drawing from reality, and using various techniques such as shading, cross-hatching, stippling, and contour line. Students use a variety of materials and discover the power of breaking down an image into basic elements that can be drawn easily.

**Magnet Drawing II**—An advanced course utilizing materials and techniques such as pastel and colored pencil drawing, pen and ink wash, gesture drawing and continued work in rendering reality. Using models and still life, students discover ways to discover proper proportion and likenesses, as well as study of perspective. *Prerequisite: Drawing I with a B average or above.*

**Magnet Fiber Arts**—This course uses many different approaches to working with fiber materials: yarn, thread, cloth, paper pulp, newspapers, and collage materials of all kinds. Quilting, appliqué, batik and silk painting along with creating handmade paper, are some of the projects that relate contemporary trends in fiber art and craft.

**Magnet Painting I**—Painting I is an exciting course in color theory and composition. Students learn to become more confident in mixing color, creating mood, distance and values in color. Materials include tempera and watercolor paints, pastels, and colored paper sources.

**Magnet Painting II**—This is a challenging advanced course in painting. Techniques and themes from art history provide motivation for expressions in acrylic, watercolor and mixed media. This is an excellent course for the painter interested in taking the knowledge from Painting I and applying it by creating larger, more challenging works of art. *Prerequisite: Painting I with a B average or above.*

**Magnet Sculpture**—This course will use plaster, wood, clay, paper and paper mache to make sculptures in relief and in the round. The art concepts of texture, patterns, shape, and color will be explored as they relate to the three-dimensional form. Emphasis will be put on building forms that are free-standing. Sculpture will also be explored as functional and non-functional forms. This course will also examine the history of sculpture to discover how it related to cultures in which it was created.

## ***Vocal Music***

**Vocal Ensemble (year-long)**—Emphasis will be on performance of small ensemble and the development of greater singer independence. Students will apply the principles, fundamentals, and techniques of a well-produced singing voice as is developmentally appropriate to the literature as well as development and mastery demonstration of skill though singing two and three-part harmony, as well as homophonic and polyphonic forms will be part of this course.

## ***Support***

*Courses in this category are by teacher nomination ONLY.*

### **Math Support**

- **Math Acceleration**—A course designed for students who need additional instruction and support in grade level math skills, problem-solving strategies, and mathematical thinking. Activities focus on using manipulatives, cooperative work, and technology to help students gain knowledge and confidence in mathematics.
- **Math Lab**—This course supports students in CC6+, CC7+ and CCM 1 courses. Students may practice foundational concepts critical to mastery coursework, preview concepts before they are presented in class, and/or receive additional support with class work. The ultimate goal of this support course is to enable students to maintain growth and progress in their math courses without the support of Math Lab.

**Reading Acceleration** – Available for grades 6, 7, and 8, this course is designed for students who need additional instruction and support in comprehension building, vocabulary building, and reading skills. Direct strategy instruction will occur with extended opportunities for guided reading practice with both fiction and nonfiction text. Students will have the opportunity to self-select texts and set individual reading goals. Instructional strategies will include teacher read aloud, paired reading, guided reading, literature circles, and building of independent reading time.

## *World Languages*

**Beginning Spanish (Semester 1)**—Students study basic grammatical structures and vocabulary through activities involving speaking, listening, reading and writing. An introduction to Spanish language and culture.

**Intermediate Spanish (Semester 2)**—Students review topics in Beginning Spanish while continuing their study of more complex grammatical and vocabulary through activities involving listening, speaking, reading and writing. Students continue study of Hispanic culture and make cultural connections and comparisons. *Prerequisite: Beginning Spanish*

**LEVEL I SPANISH (year-long)**—Students will gain a basic knowledge of the target language through the acquisition of beginning listening, speaking, reading, and writing skills. Cultural topics will also be explored. Activities such as field trips, skits, films, and projects are used to enhance the learning experience. *Prerequisite: Beginning and Intermediate Spanish*

**LEVEL II SPANISH (year-long)**—Upon successful completion of Level I and/or recommendation of the teacher, students will advance to Level II for a more in-depth understanding of the target language. Expanded vocabulary (relevant to students' interests), and more sophisticated grammar concepts will lead to a deeper command and appreciation of the target language. On completion, rising 8th grade students may be eligible for middle school Level III; graduating 8th grade students may be able to enroll in high school Level II. (Two years of middle school foreign language are equivalent to one year high school foreign language.)

**Beginning Chinese (Semester 1)**—Want to join 20% of the world's population that speaks Mandarin? Try this introductory course to Chinese language and culture. Students study basic language structures and vocabulary and use them in listening, speaking, reading and writing activities at the beginning level.

**Intermediate Chinese (Semester 2)**—Students review topics in Beginning Chinese while continuing their study of more complex grammatical and vocabulary through activities involving listening, speaking, reading and writing. Students continue study of the Chinese culture and make cultural connections and comparisons. *Prerequisite: Beginning Chinese*

**LEVEL I Chinese (year-long)**—Chinese Students will gain a basic knowledge of the target language through the acquisition of beginning listening, speaking, reading, and writing skills. Cultural topics will also be explored. Activities such as field trips, skits, films, and projects are used to enhance the learning experience. *Prerequisite: Beginning and Intermediate Chinese*

**LEVEL II Chinese (year-long)**—Upon successful completion of Level I and/or recommendation of the teacher, students will advance to Level II for a more in-depth understanding of the target language. Expanded vocabulary (relevant to students' interests), and more sophisticated grammar concepts will lead to a deeper command and appreciation of the target language.