

# S.O.A.R 2020 Course Catalog

All Classes Held at ONLINE



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When looking at classes, please look at your child's **CURRENT 2019-2020 Grade**. These will be the classes that will best suit their needs. unless otherwise noted in the class description.

*\*Please be advised....*

*Once you have signed up for a course there will be **NO REFUNDS** if you cancel your registration. Refunds will **ONLY** be given if a class is cancelled due to enrollment numbers not meeting 10 students. **\*\* If classes are refunded we will ONLY be able to refund for the amount for the class and NOT the convenience fee of either 3.95% for credit card or \$1.75 for online check\*\****



## MONTGOMERY TOWNSHIP SCHOOLS

1014 ROUTE 601 - SKILLMAN, NJ - (855) 8-2119

PHONE: (609) 466-7600



May 18, 2020

Dear Parents/Guardians,

As we continue to navigate through the COVID-19 pandemic, we as a S.O.A.R staff have been hard at work creating the most effective and engaging S.O.A.R program for this summer. In collaboration with district administration and our S.O.A.R administrative team, we have made the decision to hold **all S.O.A.R programs** virtually this summer.

All EXPLORERS, Interest Based, Preview and Credit courses will be held online. These courses will incorporate **daily** virtual classes with interactive methods, independent work assignments, as well as daily virtual small group/Q&A sessions with teachers.

In an effort to offer continuous learning for the summer we have worked closely with district supervisors to create programs that will best meet the needs of all of our students while providing an extension of the school year. Due to the needs of our youngest learners, EXPLORERS and Interest Based courses will have a maximum of 5-8 students in a class, while credit and preview courses will have slightly larger class sizes. EXPLORERS and Interest Based courses will run 3.5 hours each day, Monday-Friday with preview/credit courses running 5 hours Monday-Friday.

There will be an updated brochure posted on our S.O.A.R website for your review. If you have currently enrolled your child in a course our S.O.A.R team will be in contact with you.

We have met virtually with our staff and we are all excited for this summer, for extending your child's learning and providing an opportunity for your child to grow and experience their content in a small group setting! We have amazing teachers ready to work with your child this summer and make this a summer full of growth and engagement!

If you should have any questions, please email [soar@mtsd.us](mailto:soar@mtsd.us).

Thank you for your partnership,

Monica Clewell, S.O.A.R Supervisor  
Kathy Sinclair, S.O.A.R Assistant Supervisor  
Keith Glock, S.O.A.R Highschool Coordinator

## Academic Courses K-12:\*

8:00-11:30am

### **Building our skills in Reading, Writing & Math! Grades K-1**

Instructor:Eric Sletteland

2 weeks, July 13-24

\$350.00

This course is all about getting hands on involved, gaining confidence and having fun with reading, math and writing. What is more important than retaining the strategies and skills we have learned so far, except building upon them? I'll meet your child's literacy and math needs while building on your child's individual strengths and needs. This course will be differentiated and therefore appropriate for children leaving kindergarten, entering first grade or those that would benefit from continued instruction and revisits to strategies and skills that we utilized in first grade. The class will include time for reading instruction, math and writing every day. You can expect that your child will work on reading skills that include: word attack strategies, decoding, sight words, comprehension and fluency through daily exposure to new appropriate books (non-fiction and fiction texts) guided reading, Read Alouds, poetry, phonics, vocabulary, written daily journal entries and Reader's Theater. Your child will work daily on math concepts that include: Building number sense, addition and subtraction strategies, addition and subtraction equation solving, money, time, skip counting, all through games and using fun technology and hands on manipulatives. Additionally, our day will include time for writing in various genres; narratives and informational pieces following a mini lesson and personal writing conferences. There is an emphasis on creating a course community of trust and support to encourage risk taking and collaborative work, all while having fun.

### **Learning and Fun for Grades 1 (Current 19-20 2st Graders)**

Instructor:Alyssa Avino

2 weeks, July 13-24

\$350.00

Come and spend some time engaging in the world of math, reading & writing! Let's have some fun working on a little bit of everything! Come join us this summer for an exciting opportunity for children entering 1<sup>st</sup> and 2<sup>nd</sup> grade! Children will engage in lessons, games, and activities that are cohesive with the K-2 curriculum to help us sharpen up our academic understandings for the next school year. We will continue to grow our reading, writing, and math skills, and also build our social emotional awareness. Children will have an awesome summer experience full of learning and fun!

### **Mindful Monty's Grades 1-3**

Instructor: Tracy Vail

3- 1 week sessions

July 6-10

July 13-17

July 20-24

\$175.00 per week

Mind full or mindful? This course is an interactive exploration into our minds-- our thoughts, feelings, and how what we carry with us affects our days. Especially given our current situation, providing students with mindfulness is so important so they can feel empowered and ready to learn, face challenges, and find both calm and strength within themselves.

In the spirit of adventure, I will be guiding students through an array of engaging mindfulness techniques which includes work on emotional management, social problem solving, focus, and attention. Together we will cultivate greater self-awareness which is essential for optimal learning and emotional balance. Techniques and strategies will be playful and adaptable to school and home environments.

### **Digital Storytelling with slides Grade 2**

Instructor: Gena Leimbacher

1 week, July 6-10

\$175.00

Your child has been home for a while working away at reading and writing, and it can be difficult without the immediate teacher feedback that helps your child progress. In this class, I will use google slides to help your child bring their stories to life. We will work in small groups, in partnerships, and individually using google slides to connect with each other, and will use the comments feature to help each other improve their work. The slides will be our canvas to create multiple scenes that connect a story. In this workshop, students will use images from online and bitmojis to create a story. As a celebration, we will create a video. Writing is what we see in our minds - let me unlock that writer's block with technology and theatre.

### **Graphic Novels with Book Creator Grade 2**

Instructor: Gena Leimbacher

1 week, July 13-17

\$175.00

Book Creator is an amazing application that helps students create stories through multiple mediums - drawing, writing, video, and much more. We will explore graphic novels in Epic Reader and discuss how the author and illustrator communicate to their reader through their collaboration. We will then create our own graphic novels with the use of the book creator tool (they have even incorporated AI drawing for those who might see it but aren't able to recreate it). At the end of the class, we will publish and share our successes.

### **Using Book Creator with Non-Fiction Grade 2**

Instructor: Gena Leimbacher

1 week, July 20-24

\$175.00

In this class, students will use Epic books to help them research one subject, ie animals, insects, weather changes, and more. Then we will use this information from multiple books to make a tell-all about the subjects we studied. Book Creator is an amazing platform that allows students to express their writing through multiple mediums (drawing, videos, diagrams, and more). Students will be able to interview each other with the use of Google Jamboards to help expand their ideas to reach all audience members.

### **Math Tasks and Games! - Grade 2**

Instructor: Gena Leimbacher

1 week, July 27-31

\$175.00

In this class we will work to teach higher level math tasks. Students will work collaboratively on solving different math problems in multiple ways. They will expand their math thinking and have to prove how they arrived at multiple answers. With the use of padlet and jamboard it will serve as a thinking tank where students will be able to engage in Math talks with their peers about the way they arrived at their answer. After working on one math task students can then work using cards and dice to play games that will improve their number sense and fact fluency.

### **Writer's Theater Live! - Grade 2-3**

Instructor: Peter Rosenberg

1 week, July 20-24

\$175.00

This is an exclusive summer opportunity for you to write and perform original sketches, stories, poems, commercials, a newscast, musical compositions, and monologues to be recorded live and shared with the SOAR community! Think Saturday Night Live for 7 to 9 year-olds! Join Mr. R and other creative writers for an epic journey all from the comfort of your own home recording studio using Google Meet and other terrific technology platforms!

### **Let's Make a Newspaper! - Grade 2-3**

Instructor: Peter Rosenberg

1 week, July 27-31

\$175.00

We will create an online newspaper that features interviews with local movers & shakers, photographs, movie/book/game opinion reviews, comics, original fiction stories, and an advice column! This is a great way to brush up on your writing and presentation skills for a real life purpose! Let's do this!

## **FUNdamentals of Reading, Writing and Math Current Grade 4**

Instructor: Veronica Romano

2 weeks, July 6-17

\$350.00

In this course, students will be engaged in core language arts and mathematical concepts. These concepts include identifying and understanding the use of grammar techniques and spelling patterns in reading and writing. Exploring reading strategies such as summarizing, visualizing, inferencing, and more. Mathematically, students will gain fact fluency through interactive games. Students will dive into real-world problems, giving their math skills reason and purpose. This course is designed to be flexible, with the ability to meet the needs of each individual student and content will be modified to meet those needs. Get ready to dive into the FUNdamentals of reading, writing, and math!

## **3rd and 4th Grade Prep! Grades: Incoming 3rd and 4th Grader**

Instructor: Amanda Bassford

1st Week: July 20-24

2nd Week: July 27-31

\$175.00 per week

This course will be offered to incoming 3rd & 4th graders an opportunity to strengthen their math, reading, and writing skills as well as preview what is to come in next year's curriculum. This course can be taken for one or two weeks as each week will cover different content. We will touch on all the key concepts that will be introduced in both 3rd and 4th grade.

In language arts, we will focus on accuracy, fluency and deeper comprehension while reading a variety of exciting books. Students will be encouraged to share their thoughts and opinions on the characters they meet and understand how the characters change throughout the story. We will spend time writing about our reading with a focus on supporting our claims with details from the text.

The other half of our time together, we will focus on the various math concepts to prepare them for their next school year. Specific areas include addition, subtraction, number sense, place value, multiplication, fractions as well as the often tricky one and two step word problems. Students will participate in fun and exciting games while strengthening these skills!

## **Storybook STEM Grades 2-3**

Instructor: Jenn Snyder

1 week, July 27-31

\$175.00

Children enjoy being read to, especially if it's a picture book! In this course, we will do more than just read picture books. We will engage in literacy activities to strengthen students' vocabulary and writing skills, as well as incorporate math concepts and science concepts to encourage students' curiosity about the world. Based off of the featured picture book, students will manipulate objects to create shapes and structures and use their problem-solving skills to develop new or improved objects all while relying on their knowledge about shapes and other science concepts.

### **Fabulous Fun with Reading, Writing and Math Grades 3**

Instructor: Karen Damato

2, 1 Week sessions,

July 6-10

July 13-17

\$175.00 per week

This course will offer incoming 3rd and 4th grade students an opportunity to build and strengthen their reading, writing, and math skills! In writing, students will be focusing on a number of writing strategies, techniques, and various genres. Grammar, spelling, mechanics, and paragraphing will also be emphasized. Additionally, mini-lessons and individual conferencing will take place to sharpen writing skills. In reading, the focus will be on accuracy, fluency and comprehension skills. Students will dive into realistic fiction, non-fiction texts, mysteries and more! During the math portion of the session, students will practice their computation skills, multiplication and division facts and modeling, problem solving strategies, and various mathematical skills and concepts addressed at the third and fourth grade level. Games and fun-filled learning activities will be used to engage all students!

### **4th and 5th Grade Prep**

Instructor: Amanda Bassford

1 Week, July 13-17

\$175.00

This week long course is designed for students who will be entering 4th or 5th grade in September. We will focus on the math, reading & writing skills you will need to be successful at the next grade level. Math concepts will include place value, multi-digit multiplication, long division, fractions and multi-step word problems. For language arts, we will focus on accuracy, fluency and deeper comprehension while reading a variety of exciting books. Students will also have a chance to participate in a book club with their peers. During this time, students will be encouraged to share their thoughts and opinions on the characters in their book and how the characters change throughout the story. We will spend time writing about our reading and supporting our claims with evidence from the text!

### **Financial Literacy- For Kids! Grades 3-4**

Instructor: Jenn Snyder

1 week, July 13-17

\$175.00

Literacy can be applied to more than just reading and writing! Literacy is being knowledgeable in a specific area or content. In a world where society is driven by finances, there is no better time to engage students in the value of money and how income and credit work! In this course, students will learn what it means to be financially literate while they make decisions to balance money based off of income, decide on how to spend money, save money, and how to use credit.

### **Camp Learn A Lot! : Grades 4-5**

Instructor: Jenn Snyder

1 week, July 6-10

\$175.00

Summer is the perfect time to go camping, but it's also the perfect time to keep up the motivations and stamina in learning! Come have the best of both worlds! Students spend September-June building their knowledge of the world around them through reading (books and podcasts!), writing, math, and SCIENCE, who why not come to Camp Learn-A-Lot to keep that momentum going? We will dedicate time each day to reading, writing, and mathematics; all the basics. But we will also but we will also take time to explore the world around out "camp" through science experiments! No more watching science videos from the couch. We will get up and do them!

### **Math and Reading Workshop Grades 4-5**

Instructor: Michelle Barbarasch

4 weeks, July 6-July 31

Sign up for 1, 2, 3 or all 4 weeks!

\$700.00

This course will offer 4th and 5th graders an opportunity to build their reading and math skills! In reading, the students will be working on a variety of reading strategies to help elevate their level of thinking, while reading a range of high interest books. The students will also partake in an engaging, fun, and collaborative book club that will involve conversations around the characters, vocabulary, themes, lessons, and interpretations of the books. This course will also provide students an opportunity to reinforce their comprehension skills in mathematics. Concepts of division, multiplication, fractions, addition, and subtraction will be practiced through interactive games, and word problems. A strong focus will be on students' ability to use problem solving strategies to conquer word problems. My goal is for the students to walk away with skills that they can transfer to their upcoming school year. I look forward to a great summer!

### **Around the World Readers Theater- Grades 4-6**

Instructor: Joanne Giambertone

1 week, July 20-24

\$175.00

Students will analyze and discuss folktales from around the world to identify and compare themes and messages. In collaborative small groups, students will then borrow elements from the different folktales to develop and perform their own student relevant plays and communicate important ideas of their own.



### **A Tour of Ancient Greece and Greek Mythology Grades 4-6**

Instructor: Joanne Giambertone

1 week, July 6-10

\$175.00

In this class students will explore daily life and belief systems in ancient Greece, research ancient Greek gods and goddesses and analyze mythology to make meaningful interpretations of the characters and their situations.

### **Debate it Out-Literary Debates Grades 4-6**

Instructor: Joanne Giambertone

1 week, July 27-31

\$175.00

Students will read, discuss and analyze short realistic fictional texts to develop literary ideas about the characters, storyline and elements such as theme and symbolism. Students will then work in teams to gather and angle text evidence and conduct a supported debate of a relevant issue identified in the story.

### **Pinterest Perfect Planning Grades 4-8**

Instructor: Caitlin Mannion

1 week, July 27-31

\$175.00

Looking to get organized? Want to expand your creativity? In this class we will explore different skills, designs, and formats that can enhance organization, and therefore productivity! We'll use lettering, bullet journaling, color theory, design principles, and more to foster the way our brains process and respond to necessary information such as schedules and lists. You'll feel motivated to continue keeping track of all you have going on in an aesthetically pleasing way.

### **MONTY Green Grades 4-12**

Instructor: Jason Sullivan

1 week, July 27-31

\$175.00

This course will engage students in phenomena based science. We will explore aspects of horticulture (the art or practice of garden cultivation and management.) using the school garden and apply the principles of renew, reuse, recycle. Students will experience opportunities to work in an organic garden while also exploring creative ways to reuse materials to create art and everyday technologies.

### **Prepare/Review Pre-Algebra (entering 5-8)**

Instructor: Kristin Ciesielski

1 Week: July 27-31

\$175.00

Students will play games and receive practice on topics such as decimals, fractions, percents, and integers in a focused, small group environment. Students will build fluency in solving one step equations using different types of values as well as introduce multi-step equations. This will help students to better prepare for the next level of math. Please know this is a REVIEW course and not one set up for enriching or advancing your child to another level.

### **Whole Numbers, Fractions, Decimals, and More! (entering 4-7)**

1 Week: July 20-24

Instructor: Kristin Ciesielski

\$175.00

Students will play games and receive practice on topics such as place value, whole number computation, decimals, fractions, and word problems in a focused, small group environment. Students will focus on becoming more fluent with computation and word problems. This will help students to better prepare for the next level of math. Please know this is a REVIEW course and not one set up for enriching or advancing your child to another level.

### **Write From The Heart Grades 5-6**

Instructor: Jenn Snyder

1 week, July 20-24

\$175.00

Many students hate writing, which is code for "this is hard". In this course, students will work on their writing skills by starting with what is in their heart, what they have to share with the world. We will focus on the writing process - drafting, revising, editing - so that students experience that writing is about a process not about the final piece. Much like sports, hobbies, and other areas, writing is about goal setting, and the only way to get better is to practice, practice, practice.

### **Real Life Math Grades 5-7**

Instructor: Joanne Giambertone

1 week, July 13-17

\$175.00

In this course students apply learned math skills to solve real world math problems and complete math projects. Word problem analysis and solving strategies will be a focus. Students will focus on application of computation skills including area and perimeter and fraction knowledge, word problem analysis strategies, word problem solving strategies and explanation and showing thinking strategies.

### **Transitioning from 6th to 7th. What did I miss? Current Grade 6 students**

Instructor: Enrica Pirone

2 weeks, July 6-17

\$350.00

Are you wondering what you missed when we left school in March? Pick up the curriculum from March through June. This includes literary essays and Nonfiction study. Study with us and keep calm as you transition to UMS!

### **Summer Reading and Math: Ready, set, done! Grades 5-8**

Instructor: Enrica Pirone

1 week, July 20-24

\$175.00

Want to make sure that you get your summer reading done and that you work on your Math skills as well? Come and join us for a fun and relaxing way to compute, read, write and discuss. Keep your Reading, Writing, and Math skills going this summer and get your summer reading requirements out of the way. Come join us for our annual class where we work on Reading, Writing, and discussing our books in a fun and relaxed way. One hour of Math a day as well.

### **Writing Fiction AND Non Fiction WITHOUT Tears! Grades 5-8**

Instructor: Enrica Pirone

1 week, July 27-31

\$175.00

Learn the basics of writing without tears, dread, stress or pulling your hair out!

It's challenging, but it's not as hard as it seems.

Once you learn and understand the basic foundation of writing, you can apply it to each genre with slight tweaks while infusing grammar and vocabulary. Come and write with us without stress, tears, or frustration. Who knows, maybe you will even learn to LOVE writing!

### **Writing Unboxed: An Enrichment Course! Grades 5-8**

Instructor: Bianca Olsen

1 week, July 20-24

\$175.00

Do you love creative writing? Do you wish that you could work on stories with others? In this course, students will have the opportunity to express themselves creatively. Each class will bring new prompts, new genres, and new ideas that will inspire students to write. We will explore different mentor texts and use them as inspiration for our own pieces. Students will be able to practice writing independently as well as collaboratively with peers.

### **Digital Media Grades 5-8**

Instructor: Bianca Olsen

1 Week: July 6-10

\$175

Have you ever felt passionate about a topic? Do you want to inform others in a creative way through technology? In this course, students will identify a topic that they are passionate about. They will work to create a digital presentation to deliver their idea. Students will use technological tools such as Wevideo, YouTube, Screencastify, etc. to create these presentations.

### **Spanish: An Immersive Experience for All Learners Grades 5-12**

Instructor: Armando Quiroz

1 week, July 27-31

\$175.00

This course is for motivated language learners who want an immersive experience right here in Montgomery! Students will learn simple language structures and will receive various modes of engaging input (movies, music, etc.)! Students will interact with each other (games, activities) and with native Spanish-speaking students. They will develop confidence in their ability to communicate in Spanish while having fun!

### **Intro to 7th Grade Pre-Algebra Grades 6-7**

Instructor: Michael Razzoli

1 Week: July 6-10

\$175.00

This course is perfect for students that just finished Math 6 or completed Pre-Algebra in 7th grade. Students looking to refresh their minds with Pre-Algebra topics will find this week-long course to be beneficial. It is a great way for students entering 7th grade to get a look into their coming school year. We will work on skills that they will need before they are ready for Algebra. This course is not used for placement of any kind and is paced appropriately in accordance with the 7th grade Pre-Algebra curriculum.

### **Extension of 7th grade Algebra I Part 1**

Instructor: Henna Tailor

June 26-July 2nd

\$175.00 per week

This class is perfect for anyone that is in 7th grade, going into 8th grade, and was in the Algebra I Part 1 course. We will focus on the end of Chapter 4 and all of Chapter 5, which is where distance learning picked up from during school. This will provide REVIEW of the material taught at the end of the year, and will not set your child up for advancement to another level.

### **Introduction to Algebra I Part 1- Going into 7/8th Grade Sept 2020**

Instructor: Henna Tailor

2, 1 week sessions offered

Session 1: July 6-10 or Session 2: July 13- 17

\$175.00 per week

This class is perfect for anyone that is going into 7th or 8th grade and into the Algebra I Part 1 course. We will focus on foundational skills needed for the course, thus helping the students to prepare for the information ahead. This will provide REVIEW, and not set your child up for enriching or advancing to another level. We will be focusing on equations and the foundational skills prior to that (i.e. order of operations, fractions, decimals).

### **Introduction to Algebra part 2 - Going into 8-9th grade Sept 2020**

Instructor: Henna Tailor

2, 1 week sessions offered

Session 1: July 20-24 or Session 2: July 27-31

\$175.00 per week

This class is perfect for anyone that is going into 8th or 9th grade into the Algebra I Part 2 course. We will focus on foundational skills needed for the course, thus helping the students to prepare for the information ahead. This will provide REVIEW, and not set your child up for enriching or advancing to another level. We will be focusing on equations and functions. This course is NOT a continuation of the Part 1 course offered this summer.

### **Get Ready for Grade 9 Algebra 1**

Instructor: Kristiana Colandrea

June 26-July 2

\$175

Students entering the MHS Algebra I class will find this class helpful in preparation for the 2020-2021 school Year. Topics covered will include evaluating expressions, solving equations, graphing functions, and writing linear equations.

### **Get Ready For HS Geometry CP / UMS Geometry Honors:**

Instructor: Kristiana Colandrea

2, 1 week sessions offered

Session 1: July 20-24 or Session 2: July 27-31

\$175 per week

This class is designed for specific students at both Montgomery Upper Middle School and Montgomery High School. For students at Montgomery High School, this class is appropriate if your course placement is College Prep Geometry. For students at Montgomery Upper Middle School, this class is appropriate if your course placement is Geometry Honors. Topics covered will include the essential skills necessary for success in Geometry: factoring, simplifying radicals, linear functions, angle relationships, perimeter and area.

## **Interest Based Classes K-12:\***

**8:00-11:30am**

### **Junior Science Olympiad Camp Current Grades 4-5**

Instructor: Jacquelyn Butler and Meghan Molinaro

2 weeks, July 6-17

\$425.00

Students who are interested in trying out and improving their skills for Science Olympiad in the future should attend this course. Students will work on prerequisite materials and concepts needed for competitions that occur in the middle school. Students will design, build, and engineer various things as well as learn about concepts involving life science, physical science, and earth science. Information will be used from the STEM Explore It! Program. This is a Science and Engineering based program that promotes scientific thinking, discovery, and problem solving skills.

**Please note that by attending this summer course it does NOT mean placement on the Science Olympiad team.**

### **Amazing Movie Makers! Grades 6-12**

Instructor: Rob Bucci

2 weeks, July 6-17

\$375.00

Attention movie makers! Take your Youtube and TikTok talents to the next level and learn how to produce a high quality film from start to finish. Students in this course will complete several short video projects and learn the basics of planning, production, and editing. It is recommended that students have access to a video recording device (camera, phone, tablet, etc.) as well as access to a computer they can use for video editing. Free, open-source programs will be available for download if needed.

### **Science Olympiad Camp Grades 6-8**

Instructor: Meghan Molinaro and Jacquelyn Butler

2 weeks, July 20-31

\$425.00

Students who are interested in trying out and improving their skills for Science Olympiad at Upper Middle school should attend this course. Students will work on prerequisite materials and concepts needed for January and March competitions. Students will design, build, and engineer vehicles, bridges, and roller coasters as well as learn about concepts involving life science, physical science, and earth science. Information will be used from the STEM Design It! Program. This is a Science and Engineering based program that promotes scientific thinking, discovery, and problem solving skills.

**Please note that by attending this summer course it does NOT mean placement on the Science Olympiad team.**

## Digital Art Grades 6-8

Instructor: Dara Zimmer

July 20-24

\$250.00

Digital Art is an art class that is an introductory experience in creating art with the use of computers. Students will not only learn the real world art production program called Adobe Photoshop, they will learn the foundations of artistry through computer graphics such as the elements & principles of art, composition, and photo special effects. Example of projects might consist of, but not limited to: digital collage, poster design, caricature, gif creation (digital animation), and photo illustration.

# SAT and College Prep Courses:

8:00-11:30am\*

## **SAT Math Prep Course: Grades 9-12**

Instructor: Dana Bucci

1 week, 2 sessions offered

Session 1: July 20-24

Session 2: July 27-31

\$375.00 each session

Do you have a dream score that you need on the math section of the SAT? Do you need to refresh some math concepts covered on the SAT? Do you want to be introduced to what the SAT is all about? If you answered yes to one or more of these questions, then this is the class for you! This course will prepare you for the math portion of the SAT by reviewing the math topics that you learned in previous classes while learning some new math strategies for taking the test. You will be amazed by your results over the course of one week.

## **SAT/ACT VERBAL Success PLUS +: Grades 10-12**

Instructor: Kimberly Marshall

1 week session offered

Session 1: July 6-10

\$375.00 per week

This course is designed to prepare high school students to take either the SAT, ACT or (suggested) both tests. The course content covers topics assessed on the Reading and Language/Writing portion of the tests, including the rhetorical analysis essay. Students will learn and practice targeted reading techniques, identify main ideas, paraphrases and inferences and learn how to approach command of evidence questions. They will also learn how to spot and correct common language errors such as comma splices and missing or incorrect punctuation. The materials used are engaging and applicable to all levels of learners.

## **The College Path & A Winning Essay Grades 10-12**

Instructor: Michelle Caltiere

1 week, July 13-17

\$300.00

There is no time like the present to start thinking about your future. You do not have to decide on a college or a career, but it is never too early to explore interests and talents and to prepare for your path to success! Students currently in grades 9-10 will learn about the process for writing a good college essay and undertake similar writing tasks. Current juniors will begin the process of writing their essays and receive critical feedback that will give them a head start on applications in the fall.



## High School Enrichment Classes:\*

### **Algebra 2 Preview/Not for Credit Grades 9-12**

Instructors: Inez Serrano

2 weeks, July 6-17

8:00-11:30am

\$350.00

Did your child not meet the prerequisites for our Algebra 2 credit course? Then this is a WONDERFUL option for your child!

Algebra II Preview is a course that students can take to preview and learn concepts taught in Algebra II. Algebra II is the third course in the regular college preparatory program in mathematics. This course will further the development of all topics introduced in the first level of Algebra for the first marking period of the Algebra 2 curriculum. Major topics covered include: simplifying and solving rational expressions and equations; solving and graphing polynomial functions; working with powers, roots, and radicals; and graphing second degree equations. Throughout the course, students use scientific and graphing calculators as a tool for processing data, performing calculations, and exploring. These topics prepare students for higher level mathematics courses. Scientific and graphing calculators are required.

### **Math for Honors Physics Grade 9**

Instructors: Rama Bulusu

June 26-July 2

8:00-11:30am

\$175.00

Honors Physics is a demanding course for Freshmen. To be best prepared for the class, students must be comfortable with applying certain math concepts to real world problems. Dr Chao will focus on thinking symbolically with algebra, presenting data with statistics and data visualization, describing relationships with functions, and modeling dynamics with trigonometry and vectors.

### **Pre Calculus Preview/Not for Credit Grades 9-12**

Instructors: Inez Serrano

2 weeks, July 20-31

8:00-11:30am

\$350.00

This course will cover the curriculum from the first marking period of precalculus. Students will be identifying and analyzing characteristics of functions, solve applications involving compositions, graph and solve rational equations, solve non-polynomial inequalities.

## High School Credit and Preview Classes:\*

8:00-1:30pm or 7:30-12:30pm

### **Geometry (120 hours - full credit - 5 MHS credits)**

Instructors: Jenna Lugo OR Mary Chemris

5 weeks, June 26-July 31

\*\*No School July 3rd\*\* NJSLA Testing August July 31

8:00-1:30pm

\$1200

Geometry combines the essential elements of plane geometry and the basics of solid geometry. Strong emphasis is placed on deductive reasoning and writing original proofs. In addition, the student is given the opportunity to develop powers of spatial visualization, strengthen basic algebraic skills, and learn to use precise and clear mathematical language. A strong background in Algebra I is required from the beginning of the course. A scientific calculator is required.

\*\*The Geometry and Algebra II PARCC assessments will be administered following the completion of the summer courses your children have elected to participate in. Initial PARCC administration will occur on Thursday August 2nd and Friday August 3rd. Make ups will be held on Monday August 6th and Tuesday August 7th. All testing will take place at Montgomery High School.

### **Prerequisite:**

Geometry Honors students must have over an 85 to enroll in the summer Algebra 2 course.

Geometry CP students must have over a 90 in their Geometry AND in their Algebra 1 class from the prior year.

\*\*Grades will be reviewed on May 19th\*\*

If you choose to sign your child up now, please know that your child's information will be reviewed prior to being placed in class. If your child does NOT meet the criteria you will be given a refund of only the course cost (\$1,200) and not any transactions fees.

### **Financial Lit (60 hours - 1/2 credit - 2.5 MHS credits) SESSION 1**

Instructor: Mark Priebracha

2.5 Weeks, June 29-July 15th

\*\*No School July 3rd\*\*

8:00-1:30pm

\$600.00

Every student needs to manage their finances now, and throughout adulthood. Financial Literacy addresses the need for all students to learn how to earn, invest, manage and keep their money. Through exciting, student-centered activities and projects that require 21st century skills, our students will master career explorations, money management, credit, saving and investing, informed purchasing, civic financial responsibility and risk management. This course will satisfy the 2.5 credits in Financial Literacy mandated by the State of New Jersey.

Course will be held at the High School

Please note the Financial Literacy class will satisfy EITHER the state graduation requirement in Financial Literacy, OR count for 2.5 MHS credits toward career exploration.

### **Financial Lit (60 hours - 1/2 credit - 2.5 MHS credits) SESSION 2**

Instructor: Ron Dolenti

2.5 Weeks, July 16- July 31

8:00-1:30pm

\$600.00

Every student needs to manage their finances now, and throughout adulthood. Financial Literacy addresses the need for all students to learn how to earn, invest, manage and keep their money. Through exciting, student-centered activities and projects that require 21st century skills, our students will master career explorations, money management, credit, saving and investing, informed purchasing, civic financial responsibility and risk management. This course will satisfy the 2.5 credits in Financial Literacy mandated by the State of New Jersey.

Course will be held at the High School

Please note the Financial Literacy class will satisfy EITHER the state graduation requirement in Financial Literacy, OR count for 2.5 MHS credits toward career exploration.

## Algebra II (120 hours - full credit - 5 MHS credits)

Instructor: Jaissa Almonte

5 Weeks, June 26-July 31

\*\*No School July 3rd\*\*

Class final on Thursday July 30, NJSLA Testing July 31

8:00-1:30pm

\$1200.00

### Prerequisite:

Geometry Honors students must have over an 85 to enroll in the summer Algebra 2 course.

Geometry CP students must have over a 90 in their Geometry AND in their Algebra 1 class from the prior year.

\*\*Grades will be reviewed on May 19th\*\*

If you choose to sign your child up now, please know that it your child's information will be reviewed prior to being placed in class. If your child does NOT meet the criteria you will be given a refund of only the course cost (\$1,200) and not any transactions fees.

Algebra II is the third course in the regular college preparatory program in mathematics. The course reviews basic terminology, concepts, skills, and applications of Algebra I by means of a critical examination of the real number system. Algebra II furthers the development of working with Algebra I concepts with new major topics expanding the students' knowledge of Algebra and preparing them for higher level mathematics courses. These Major topics include: simplifying and solving rational expressions and equations; solving and graphing non-linear functions; working with powers, roots, and radicals; sequences, series, probability/statistics, applications of new functions and an introduction to trigonometry. Throughout the course, students use scientific and graphing calculators as a tool for processing data, performing calculations, and exploring.

## Physics Preview

Session I: June 26-July 2 (5 days)

8:00-1:30pm

Instructor: Liz Dilgerd

\$40.00

Session II: July 20-24th (5 days)

8:00-1:30pm

Instructor: Liz Dilgerd

\$400.00

Are you planning to take an advanced science course next school year? If you are interested in getting a solid foundation that will prepare you for success in physics this opportunity is perfect for you. Most summer courses attempt to cover a whole course in 6 weeks; this program will focus on the essential skills to help you prepare for the upcoming academic year in 7 days. The program is designed for students enrolling in their first physics course; however the program would be relevant for students who have taken a previous course and desire a structured review opportunity. The program is offered for review and enrichment only. There is no option for credit available. The physics course will be facilitated by NJ certified instructors who have advanced science course teaching experience at MHS.

\*MHS does not require students to complete a summer program for advanced level science courses\*

## Chemistry Preview

Session I: July 6-14 (7 days)

8:00-1:30pm

Instructor: Rama Bulusu

Session II: July 15-23 (7 days)

8:00-1:30pm

Instructor: Lisa Chedid

\$550.00

Are you planning to take an advanced science course next school year? If you are interested in getting a solid foundation that will prepare you for success in chemistry this opportunity is perfect for you. Most summer courses attempt to cover a whole course in 6 weeks; this program will focus on the essential skills to help you prepare for the upcoming academic year in 7 days. The program is designed for students enrolling in their first chemistry course; however the program would be relevant for students who have taken a previous course and desire a structured review opportunity for AP Chemistry. The program is offered for review and enrichment only. There is no option for credit available. The chemistry course will be facilitated by NJ certified instructors who have advanced science course teaching experience at MHS.

\*MHS does not require students to complete a summer program for advanced level science courses\*

## Environmental Science Preview Grades 10-12

Session I: July 6-14 (7 days)

8:00-1:30pm

Instructor: Lisa Chedid

\$550.00

The Environmental Science summer program will explore current topics and trends in environmental science. The summer program will be focused on a series of lab activities and explorations that will help to build a understanding of the earth's environmental systems. The session will consider current events and the challenges facing humans as our species cares for and preserves our living environment. We will explore topics such as population growth, biodiversity, food/agriculture, toxicity and water.

**\*Please be advised....**

**Once you have signed up for a course there will be NO REFUNDS if you cancel your registration. Refunds will ONLY be given if a class is cancelled due to enrollment numbers not meeting 10 students.**

**\*\* We will ONLY be able to refund for the amount for the class and NOT the convenience fee of either 3.95% for credit card or \$1.75 for online check\*\***