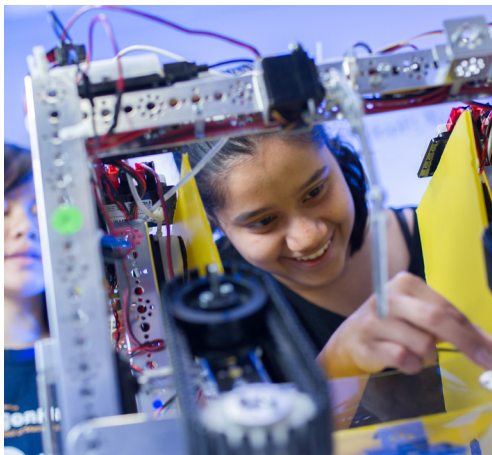


ASMS

Special Projects Week 2020



December 2, 2019

To: ASMS Students

Cc: ASMS Parents, Faculty and Staff

From: Dr. John Hoyle, President

Re: Special Projects Spring 2020

Reminders:

- Special Projects start each day at **9:00 a.m. and end at 3:00 p.m.** beginning **Monday, February 17, 2020, through Friday, February 21, 2020**, unless otherwise specified by your sponsor.

Note: Special Projects are part of the ASMS Academic Program. The requirements for Special Projects are as follows:

“Each student must participate in and successfully complete with the grade of “P” for pass a Special Project during each year of residence at ASMS. Successful completion will earn 0.25 CU per year. Failure to pass the Special Project will result in a school-initiated withdrawal. No unexcused absences are permitted during the Special Project. The President must give direct permission for a student to not participate in Special Projects at the appointed time. If excused, a specific time frame must be set as when and how a student will make-up the special project. A Special Project brochure will be available to students before the end of the winter term. **The same ASMS rules of conduct, regulating students’ behavior while residing at the school, apply to behavior while participating in Special Projects.** All projects will produce some tangible product or service.” *Community Standards Handbook, 2019-2020, Page 23, “Special Projects.”*

The booklet for Special Projects can also be found online at the ASMS website (asms.net). If you have any questions, please call or email Ms. Godwin at (251) 441-2102 or cgodwin@asms.net.

Students will sign up for a Special Project in early January (Tuesday, January 7, 2020 through Friday, January 10, 2020 following the Holiday break. Students will be required to pay in full for projects \$50 or less. Other projects will require a deposit (1/2 of the cost) at the time of sign up. Please see the deposit amount listed by the projects below.

We look forward to a successful Special Projects 2020!

Dress Code

Students are reminded to follow the *Dress Code, page 72, of the Community Standards Handbook*:

Student Dress Code

Dress and grooming standards are established to ensure that the school climate reflects decency, safety, appropriateness, and a serious focus on learning. Fashions, styles, and trends evolve; therefore, the school reserves authority in matters which may arise and are not identified with this policy. ASMS staff reserves the right to request students to return to their residence hall to change if attire is deemed inappropriate or potentially disruptive to educational processes or social environments. Both faculty and staff shall enforce this policy and the final authority regarding dress and grooming shall be the ASMS Administration. Learning to wear appropriate attire is important to every student's social development and in many instances their future success. Although all ASMS staff and faculty can use discretion in deciding what clothing is not appropriate, the Office of Student Affairs will have final judgment over clothing. In short, ASMS will use common sense and reasonableness to determine appropriate attire. See page 72 for a list of standards.

Additional Information:

Students can check with the front desk for questions about Special Projects each day between 8:00-9:00 a.m. or call Mrs. Dorsey at x2100.

Please contact Mrs. Godwin at x2102; or Mrs. Brunson x2133 for any additional questions that you might have concerning your project or guidelines for the week.

Ms. Kathy Kilcrease, the school nurse will be in her office for any students that are sick.

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America in the 1950's in Film

Instructors: Mr. Derek Barry and Mr. Brian Saylor
Cost: \$20

Minimum: 8
Maximum: 13

This project will be a study of America and American culture in the 1950s through the use of film. We will watch and analyze several classic American movies from the period to determine what the art can tell us about the culture in which it was produced. We will also examine different artistic trends in American film and how different genres of film fit into the American experience. Topics of discussion and analysis include American History, film, race, class, gender, sexuality and the American experience.

AP and Advanced Art Portfolio Workshop

Instructor: Mr. Orren Kickliter
Cost: \$35

Minimum: 8
Maximum: 13

This Special Project will give students extended and concentrated time to focus on developing their AP Art Portfolio and College Application Portfolio Supplement. The workshop will align with the new AP Art guidelines and grading rubrics from the College Board. Students may work in any medium. The structure of the course will be similar to residential artist retreats like Penland or Haystack School of Craft: hard work, group discussion, a museum visit, daily individual and group critiques, and an environment that encourages experimentation and intellectual growth.

This class is open to any student with previous art classes at ASMS or with approval based on a portfolio review. Initial enrolment preference will be given to current AP and Advanced Art students.

ASMS Fellows Special Project

Instructors: Mr. Kevin Dolbeare, Ms. Meoshe Id-Deen, Ms. Alison Rellinger, & Dr. Natalie Ortell
Cost: \$0

Minimum: 6
Maximum: 16

The ASMS Fellows special project will continue with sampling and research that we have been conducting this school year. We will travel to sampling sites around Alabama and spend a day in Montgomery meeting with state leaders. We will spend the rest of our week working in the lab at ASMS as well as utilizing resources at the University of South Alabama and the Dauphin Island Sea Lab.

ASMS Week of Service

Instructor: Coach Angel Jackson
Cost: \$20

Minimum: 4
Maximum: 6

ASMS students will explore the topic of community service. This exploration will include taking a group of 4-6 ASMS students to local organizations to serve the community. We will end the week on Friday by staying on campus and serving our own community. The organizations will include the Ronald McDonald House, Little Sisters of the Poor, the Salvation Army, and one additional organization. *Meals: Please bring additional money for lunch each day*

Beginning Knitters

Instructor: Ms. Muriel Hoequist
Cost: \$25 (two kinds of needles & 2 skeins of yard)

Minimum: 5
Maximum: 12

Requirement: Participants MUST see Ms. Hoequist in H208 three weeks before the start of the project in order to choose their yarn from Michael's. This project will teach you to knit a scarf. If they finish in time, they can learn how to cast on and tie off, as well as retrieving lost stitches. Each student can pick their own yarn. Students will receive practical experience in knitting and learn how to correct and improve on beginning work. Projects will be ready to go on the first day of class. Preference will be given to applicants who don't know how to knit at all. When you sign up, indicate if you have knitted by yourself before (yes) or not (no). Signing up does not guarantee a spot during sign-up, if you are not a true beginner.

Computing Camp

Instructors: Mr. Grey Gaillard and Ms. Deborah Gray
Cost: \$25

Minimum: 8
Maximum: 14

A unique opportunity to learn and/or improve computer science skills where students are guided and trained by college professors and systems design engineers. The classes provide a fun and challenging environment to learn coding, creating music with the computer, digital forensics, and other computing topics. Each student will be given a Raspberry Pi to use during the classes and take home at the end of the week. Students will be given a tour of the University of South Alabama and will tour local tech industries. Students will be transported each day to and from the School of Computing at the University of South Alabama.

Diversity of our Outdoors-the Inlets too the Gulf of Mexico

Instructor: Dr. James G. Njengere
Cost: \$150

Minimum: 8
Maximum: 14

This is a more advanced experience similar to the Marine Biology course offered during summer camp at ASMS. However, it is expanded by including other activities that you would experience during that one week. The Delta Activity: Mobile Bay receives converging sets of rivers and most of these rivers unite just before Spanish Fort-Fairhope area. You will have an opportunity to sail the Delta and experience the great diversity of the fauna and flora of the area. Students will tour and learn more about the Gulf Shores area. Multiple sets of inputs have been assembled by the Government to ensure that the resources of the Gulf, and its surroundings are managed well. One of these is the Dauphin Island Sea lab. You will have a first-hand experience of touring the sea lab, gaining knowledge to harvest these resources and also monitor any feedback that signals a degree of concern.

Gender Studies 101

Instructors: Mr. Daniel Commander & Dr. Karen Smith
Cost: \$50

Minimum: 5
Maximum: 14

Gender Studies courses have become a standard part of the curriculum at many colleges and universities. "Gender Studies 101" will offer an overview of some of the topics covered in such a course, and also give us a chance to explore some new developments in the field, reflect upon the way gender affects our everyday lives, consider how gender intersects with other aspects of our identities, examine how artists and writers have represented gender, and create our own gender expression through a visual and/or written project. Activities may include independent research, creative writing, discussing a short common reading, a museum field trip, watching and responding to films and videos, and working on and sharing a personal creative project.

Geochemistry

Instructor: Dr. Elisa Rambo
Cost: \$100

Minimum: 10
Maximum: 12

This special project will introduce students to the field of geology and the chemistry of rocks. The week will begin with a brief review of geologic time periods followed by a study of rock composition and formation in the Earth's crust, with a focus on gemstones. The week will end with a trip to Florida Caverns State Park to view natural formations of rocks.

Geometric Design

Instructor: Ms. Sarah Brewer
Cost: \$50 (or \$15 see note below)

Minimum: 4
Maximum: 12

Students will learn traditional Euclidean ruler and compass techniques and apply them to create beautiful geometric patterns. The “kit” will include hard and soft pencils for constructing and tracing, an 18” clear ruler, a solid bow compass, waterproof ink pens of various widths, a polymer eraser, and a set of watercolors. Shared supplies include drawing paper, tracing paper, markers and colored pencils. Students are encouraged to bring their own favorite drawing and painting media as well.

The project fee will be used for students to purchase their own kit at \$50. The fee of only \$15 is for students who want to share supplies and borrow a ruler and compass from the instructor.

Habitat for Humanity

Instructor: Coach Brouillet
Cost: \$0 (Each student pays for his/her own lunch/snacks daily)

Minimum: 8
Maximum: 13

Each student participates in building new houses or repairing existing homes for people in need. Students must be at least 16 years old to participate and 18 years of age to use any power tools. Those under 18 must have parents sign the waiver of liability forms. The specific daily job responsibilities are assigned by the on-site Habitat for Humanity job supervisors. Habitat for Humanity does not work on Monday’s; therefore, the group will help clean the beach and bird estuary areas on Dauphin Island. The students not only gain knowledge and experience of working on houses, but also are contributing a sense of dignity, pride, and hope to others. The bus will leave daily at 8:00 am and return by 4:00 pm each day.

HBCU & Black History Tour

Instructors: Ms. Erin Boldon and Mr. Kenneth Robinson
Cost: \$220 (\$110 due at sign-up)

Minimum: 4
Maximum: 20

Students will visit the cities of New Orleans, LA and Jackson, MS to tour Historically Black Colleges and Universities (HBCU’s) in those places as well as visit major African American History/Civil Rights sites. The trip will conclude in Mobile with a tour of the local African American Heritage Trail.

History of Hawaii 2021

Instructors: Dr. Diane Gerard and Ms. Martha Mozer

Cost: Trip is booked

In July of 2017, I traveled with the National WW2 Museum to Honolulu, Hawaii. This was a trip for teachers of WW2 history with 30 teachers selected from across the United States. I have planned a trip to Honolulu as my Special Project for 2020.

The itinerary includes tours and activities related to both WW2 as well as the history and culture of Hawaii. We will stay in the Waikiki Beach area and tour the historical district of Honolulu visiting the Iolani Palace, City Hall and mission houses. The highlight of the trip will be a visit to the island's WW2 sites including the Pearl Harbor Visitor's Center, the USS Arizona Memorial and a tour of the USS Missouri.

How to Use LaTeX

Instructor: Ms. Natalya Prokhorova

Cost: \$0

Minimum: 4

Maximum: 20

Students will learn how to use LaTeX, computer programming language, for typesetting of technical documents and scientific presentations. LaTeX is a high-quality typesetting system. It is most often used for medium-to-large technical or scientific documents, but it can be used for almost any form of publishing. LaTeX is the de facto standard for the communication and publication of scientific documents. Nearly every serious student of math and science will use LaTeX frequently.

Introduction to Flight

Instructor: Dr. Victor Irby

Cost: \$15

Minimum: 6

Maximum: 10

Students will spend some time researching and learning about the basics of flight, such as aerodynamics, aircraft performance, instruments, flight maneuvers, airports, airspace, ATC, and navigation. A field trip will be planned to visit nearby Mobile Regional Airport Terminal Radar Approach and Control (TRACON) Center. Students will also have the opportunity to train on our Flight Simulator.

Introduction to Geology

Instructor: Dr. Karen Palazzini
Cost: \$0

Minimum: 8
Maximum: 14

Students are going to take a journey through the earth's great eras: Precambrian, Paleozoic, Mesozoic and Cenozoic. The project will include a combination of classroom study, visiting professors and 1 or 2 hands-on study/field trip(s).

Let's Speak Urdu

Instructor: Mr. Nasrullah Aziz
Cost: \$10

Minimum: 5
Maximum: 10

Urdu is a language spoken by more than 100 million people in the world, mainly in India, Pakistan, Bangladesh, and more. Its alphabets are borrowed by the Arabic language. This language was developed as a need in the army of Great Mughal Emperors, since it's soldiers would come from different states of India with different spoken languages. So, a new language was created by mixing all of the spoken languages and was named Urdu, which literally means Army Camp. The students will learn how to speak and write this language. The money collected will be used for snacks, or a lunch outside of the school.

The Power of the Sun: An Introduction to Solar Cells

Instructors: Dr. Jessica Alexander and Dr. Durga Paudel
Cost: \$5 (for a pizza lunch)

Minimum: 5
Maximum: 14

During this special project, students will learn all about solar cells. Solar cells are devices in which sunlight is transformed into energy that can be used to power electronic devices and are an important source of renewable energy. By the end of this project, students will understand how solar cells work, what different types of solar cells there are, and what factors limit their use in modern society. Students will have a hands-on opportunity to simulate solar cell materials and test their semi-conducting properties. Students will also build and test a fuel-cell car to observe how sunlight can be used to help power the car.

Wall Street

Instructor: Dr. John Petty
Cost: \$25

Minimum: 5
Maximum: 14

The student will become familiar with the common investment options available on Wall Street. Students will learn how government, basic economic forces and business cycles interact. They will gain an understanding of how stock markets work and how the concepts of risk/reward control the price of stocks. Students will visit the Tanger Outlet Center in Foley and eat lunch at a local restaurant at the end of the week.