Leadership Team Report

December 2021

College & Career Exploration: As part of AVID's mission for opportunity knowledge and in response to JICHS Charter Goals 1 & 3, eleventh grade AVID scholars toured the beautiful campus of USC Beaufort. Students enjoyed seeing a very small and community-centered college campus and explored facilities and classrooms of STEAM classes and were surprised by the chance to see college dorms and to get a glimpse of campus life.

CAREER AND TECHNOLOGY

Mr. Walker and HOSA (Health Science students) once again teamed up with the Red Cross to sponsor our Annual HOSA Blood Drive. This year, the goal was to collect 55 pints of blood. They exceeded that goal by collecting a total of 58 pints!

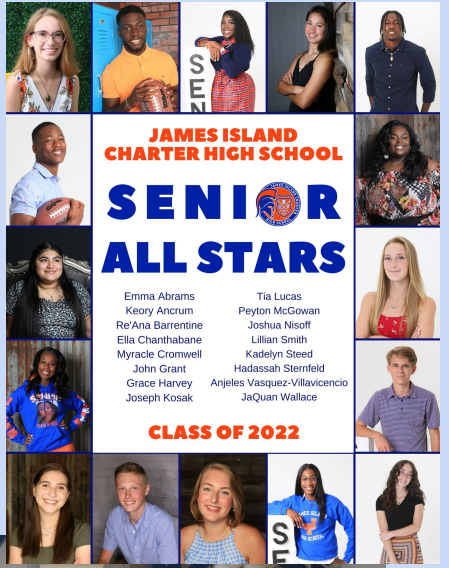
CAREER AND TECHNOLOGY

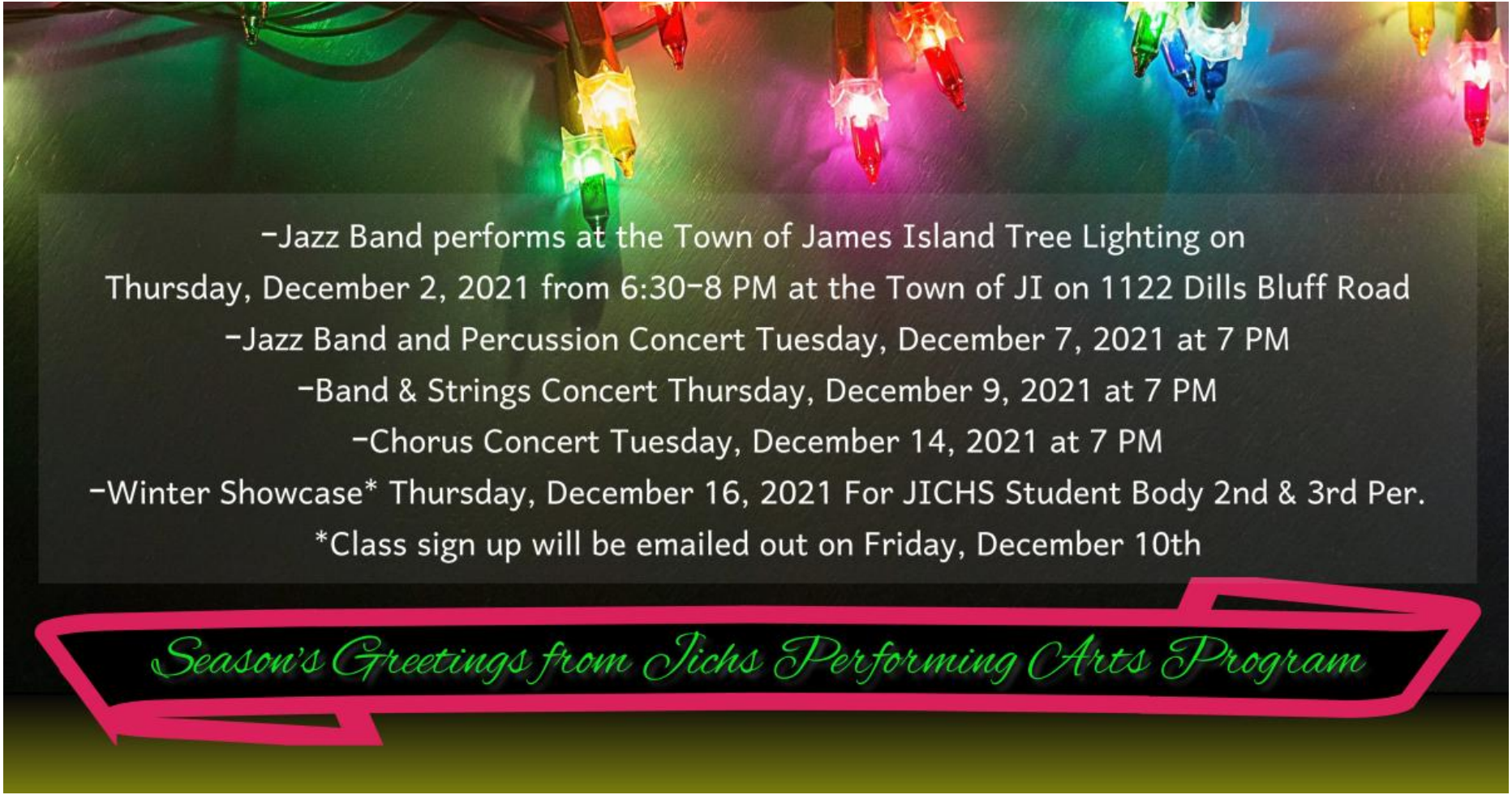
CAREER AND TECHNOLOGY

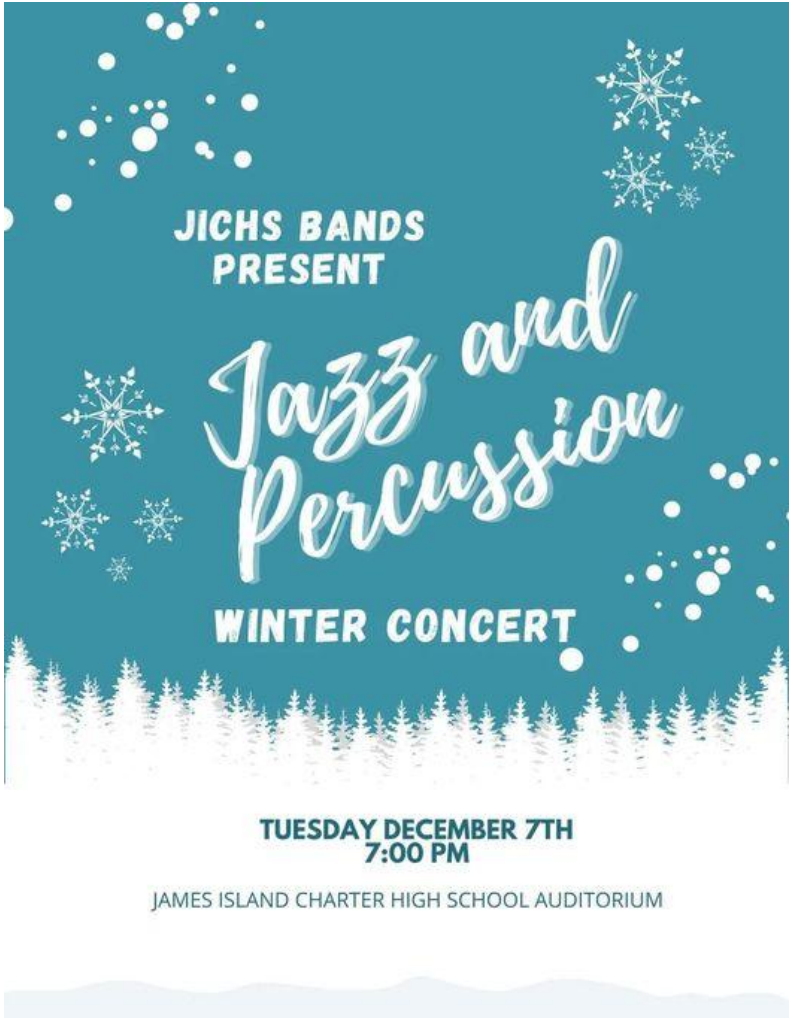
CAREER AND TECHNOLOGY

Library

- Author Scott Reintgen, *Nyxia*, talked with Epps' with Integrated Science class
- Author Mark Oshiro met with LGBTQ club to discuss his writing career
- Various research projects- working with students on creating debatable questions and finding credible sources using our databases
- We're creating individual Senior All Star posters of these awesome seniors!
- Therapy dogs are back! We're providing the opportunity for students and teachers to relax and de-stress with visits from our furry friends.




-Jazz Band performs at the Town of James Island Tree Lighting on
Thursday, December 2, 2021 from 6:30-8 PM at the Town of JI on 1122 Dills Bluff Road
-Jazz Band and Percussion Concert Tuesday, December 7, 2021 at 7 PM
-Band & Strings Concert Thursday, December 9, 2021 at 7 PM
-Chorus Concert Tuesday, December 14, 2021 at 7 PM
-Winter Showcase* Thursday, December 16, 2021 For JICHS Student Body 2nd & 3rd Per.
*Class sign up will be emailed out on Friday, December 10th
Season's Greetings from Jichs Performing Arts Program


JICHS BANDS
PRESENT
Jazz and Percussion
WINTER CONCERT
TUESDAY DECEMBER 7TH
7:00 PM
JAMES ISLAND CHARTER HIGH SCHOOL AUDITORIUM


James Island Charter
High School
Performing Arts
Department
Band and Strings
Presents
A Winter Concert
THURSDAY DECEMBER 9TH
7:00 PM
JICHS AUDITORIUM

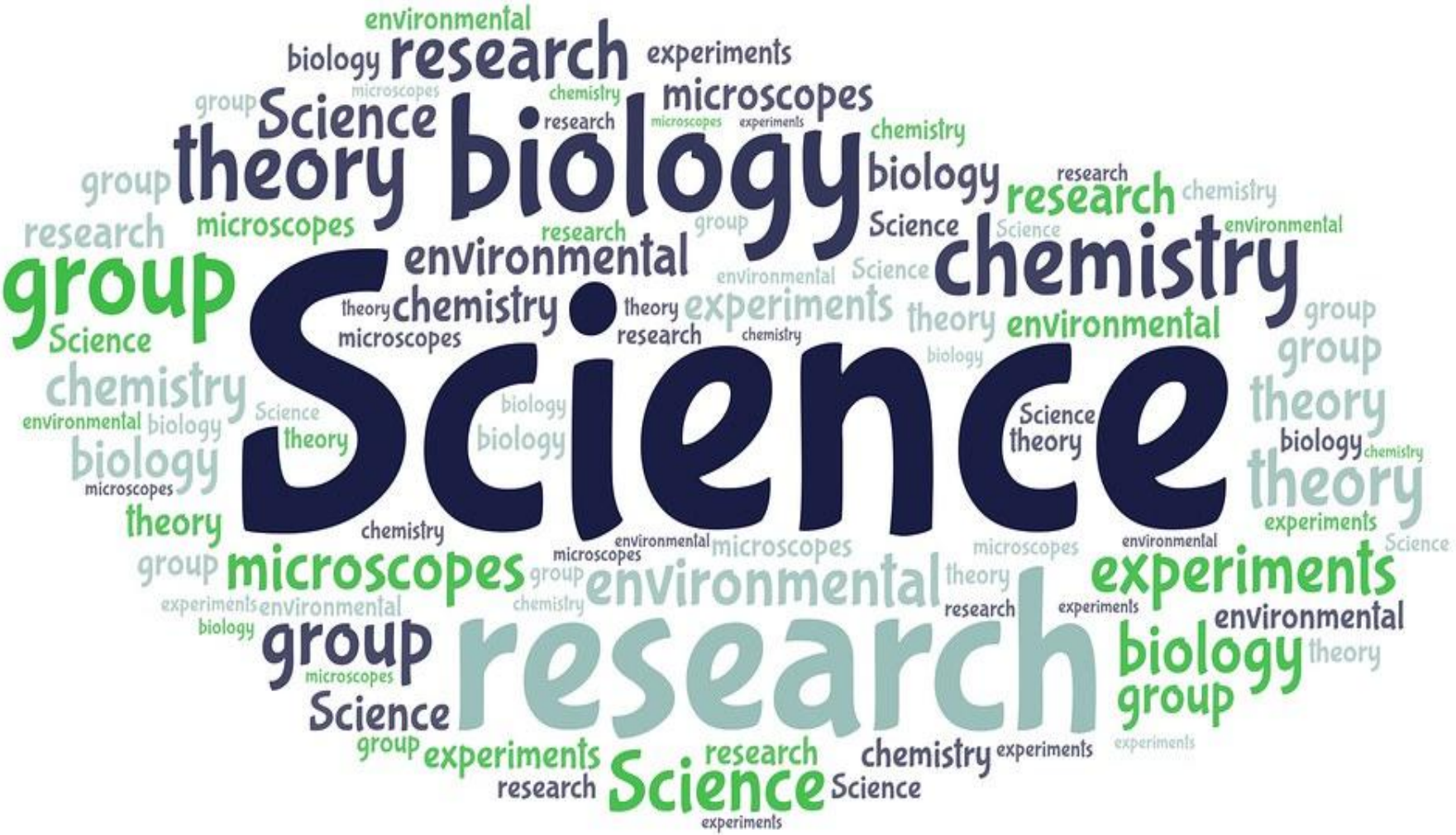
AFJROTC UNIT SC-922

JAMES ISLAND CHARTER HIGH SCHOOL
TROJANS

AIR FORCE J.R.O.T.C.

On 11-20-2021, three cadets had the opportunity to participate in the Lowcountry Aerospace Academy (LCAA) sponsored "LIFT Camp". LIFT is an acronym for "Lowcountry Inspirational Flight Training". These cadets were among several other cadets from local area schools that were provided the opportunity to participate in a brief ground school academic lesson on flight before being able to both "fly" a flight simulator and then go up and fly an actual aircraft. The cadets were accompanied by FAA certified flight instructors who were able to sign off in the pilot flight log book each cadet was given that they had logged dual visual flight rules instruction in a "single-engine land" model of aircraft. Cadets that participate in the LIFT Camps are able to pursue further flight instruction scholarships. The LCAA's mission is to educate, inspire and empower diverse junior, high school and college students through formalized aviation, aeronautical and STEM education, professional aviation training, and special events.

On 11-21-2021, unit cadets participated in a community service event held at the Low Country Harley-Davidson dealership. The event was the 25th annual law enforcement escorted motorcycle ride sponsored by the Law Riders Motorcycle Club of South Carolina in support of the local United States Marine Corps Reserves "Toys for Tots" campaign. The event drew nearly 400 motorcycles with over 500 riders and passengers that raised $4,328 and 388 toys donated. Our cadets helped with staging all of those motorcycles in the parking lot and loading boxes and boxes of donated toys. It was a beautiful day for the event and the efforts of all participating and supporting it made for its abundant success.


Science
research
biology
theory
chemistry
group
microscopes
experiments
environmental
Science
research
biology
theory
chemistry
group
microscopes
experiments
environmental

It's the Holiday Season in the Science Department!

Physics Season's Greetings Card (Yannetta)

The students picked up a physicist, did some research on the physicist and his/her theory.

They had to create a season's greetings card for the physics class that reflected the person and her/his research.

Mandatory information:

Student' s name & period, references (last page), the physicist's name, dob - dod, and research performed, applications of the research, season greetings addressed to their classmates. Options were to relate them to the theory or the physicist.

It's the Holiday Season in the Science Department!

Biology 2 (Lyles)

The class finished reading 'The Radium Girls'. Students made shrinky dink Christmas ornaments to highlight events in the book.

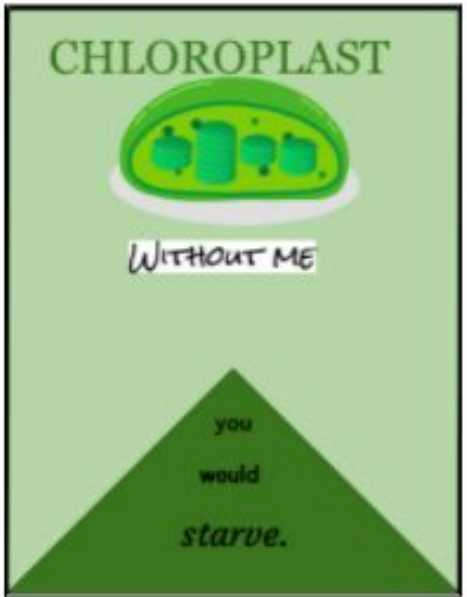
It's the Holiday Season in the Science Department!

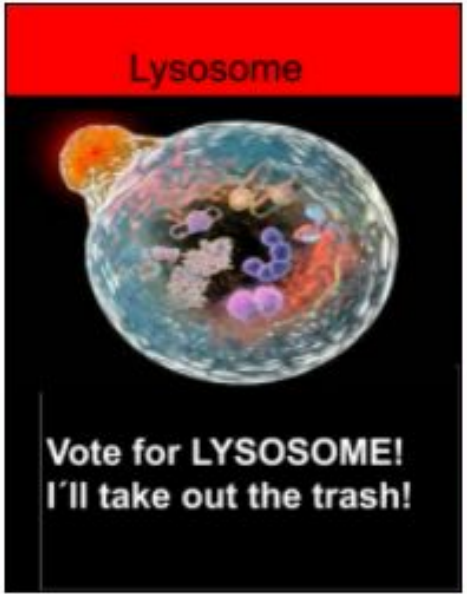
IB Biology Year 2 (Mrs. Lyles)

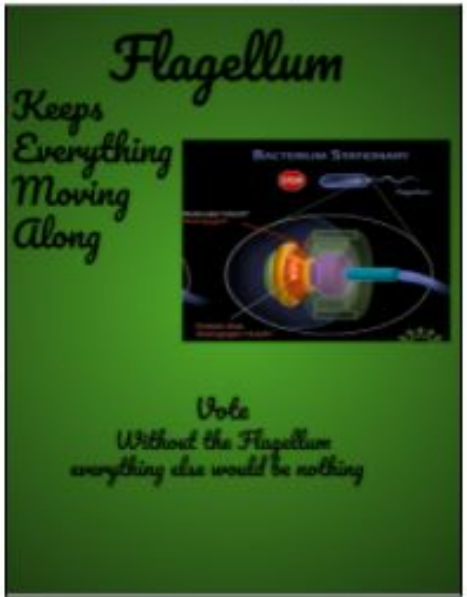
The current unit on plants requires students to understand a process called micropropagation. Students made garland to outline the process of micropropagation, cultivating virus-free plant strains, micropropagation techniques for rapid bulking and the pros/cons of micropropagation.

Integrated Science (Epps)

Our classes were surprised by Nucleus' recent announcement that he would be retiring as Cell Organelle-in-Chief, but we are making the best of the situation. Since his retirement has triggered an election for the next leader of the cell, several different organelles have contacted the students about running their campaigns and they've been working hard to make sure each organelle has their argument heard by the voting public! We are making campaign posters and an election day presentation. Obviously, politics can be a nasty business so the campaign managers are also doing their due diligence by looking into the sordid past of several other organelles in an underground mudslinging campaign as well.



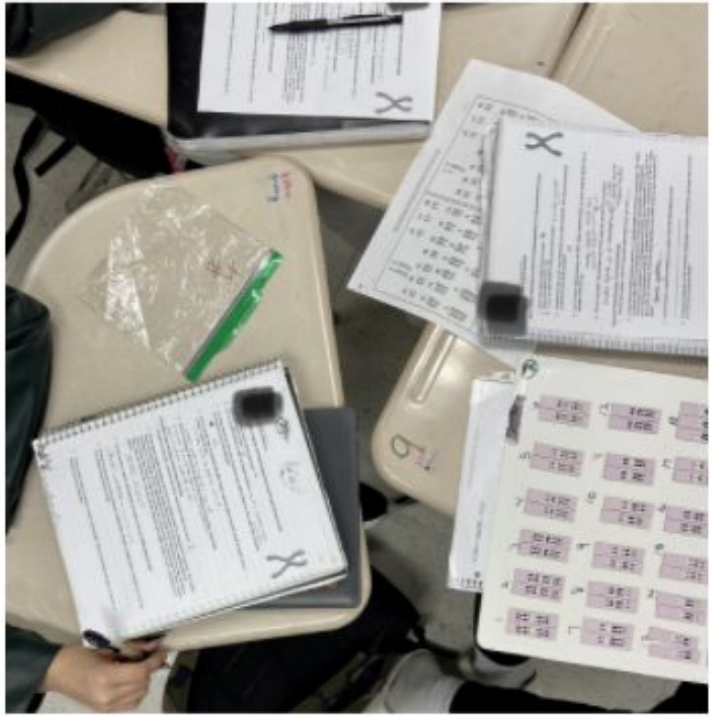


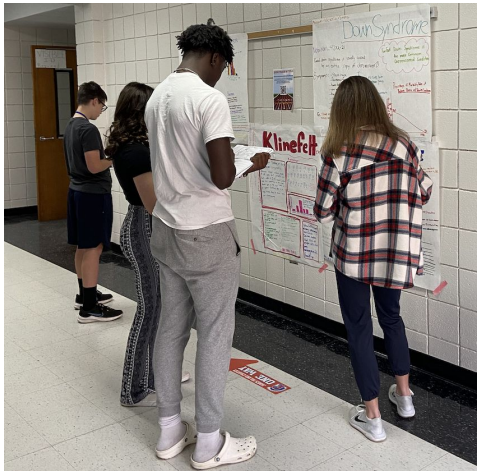


Integrated Science (Epps) is nearly finished reading *Nyxia* and we had the opportunity to talk directly with the author, Scott Reintgen again this semester. The students were able to ask questions about the book itself, Mr. Reintgen's writing process, and how he became an author in the first place.

Honors Biology (Barrett, Evans/Morrison, Schoen, Crawford)

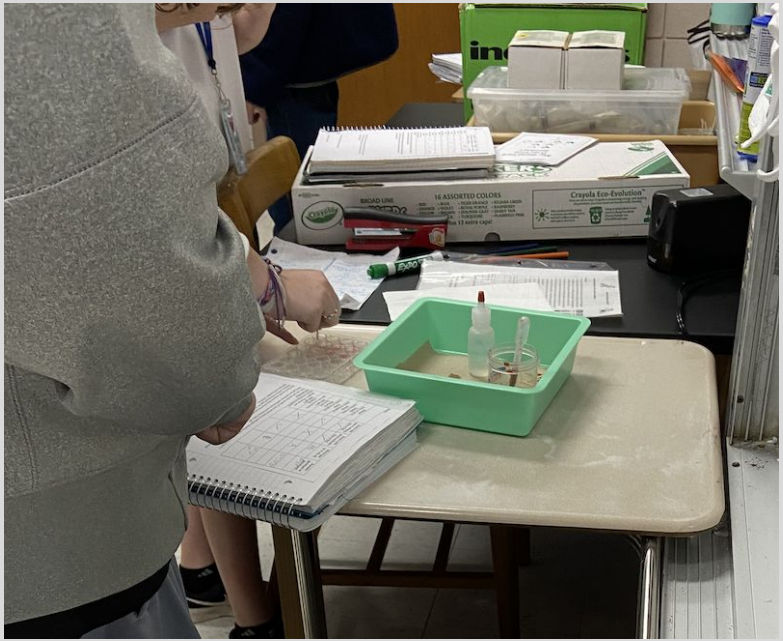
Students have been learning about karyotypes and studying individual "chromosome maps" to determine species, sex, and whether or not there are chromosome abnormalities for a particular species. In this activity, students first completed human karyotypes by sorting and matching like-patterned chromosomes, determined chromosomal disorders present, completed research to create informational posters, and went on a "gallery walk" to learn about other chromosomal disorders from their classmates.

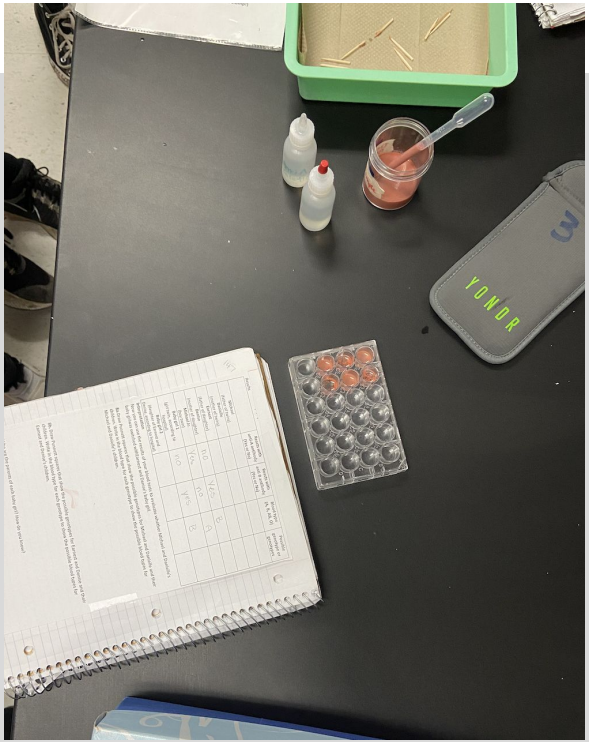




Honors Biology (Barrett, Evans/Morrison, Schoen, Crawford)

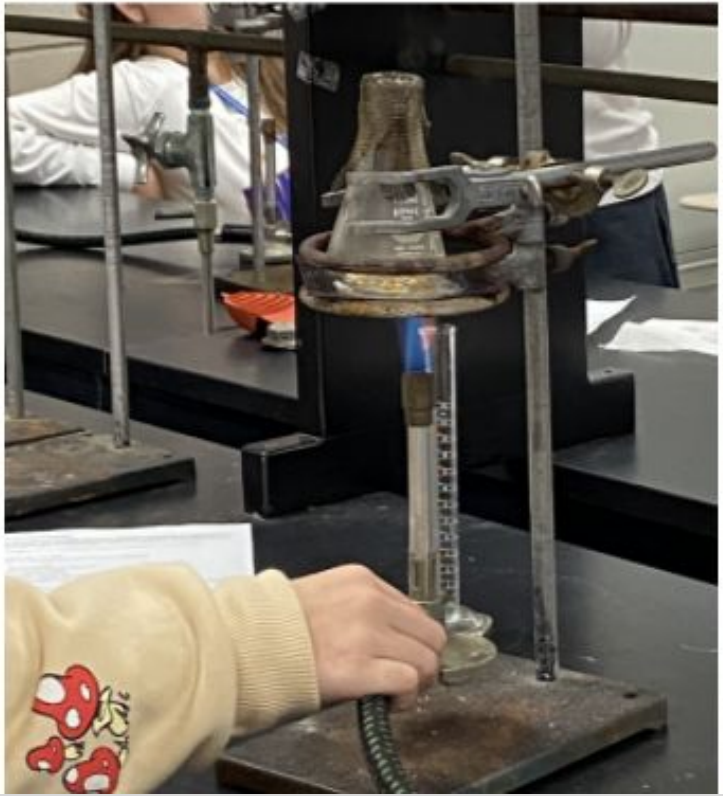
Students have been learning about genetics and how different alleles, like the 3 different blood alleles, are inherited. They performed a blood typing analysis lab to determine if infants were switched at the hospital. Students were able to see how different antigens in blood would/would not clot when mixed with certain blood types.

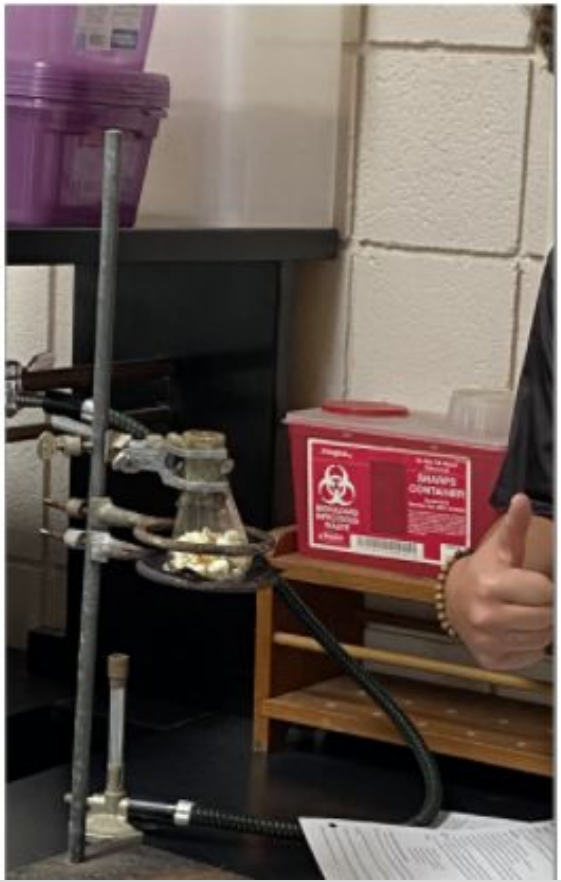




Honors Chemistry (Barrett, Mangum)

Students have been learning all about gas laws. During this lab they were using the Ideal Gas Law to calculate the pressure inside popcorn kernels just before they pop!





Honors Physics Lab: Elasticity and Marshmallows (Yannetta)

The students had to find what was the spring constant (is a marshmallow elastic?), and to calculate the elastic potential energy of their marshmallow.

IB Biology HL - Year 2 (Lyles)

Students are continuing to do complete monthly field observations. November's instructions had students visit their field site and make notations about changes since October and to also think about where the matter and energy for organisms comes from.

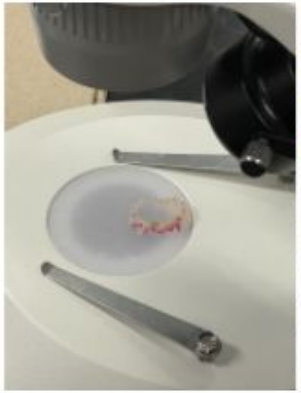
Mapping:

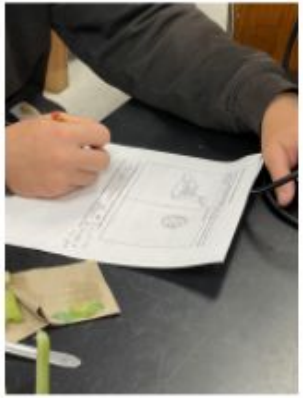
It was interesting to try and change what I saw on the ground into a bird's eye view map. I didn't have too much difficulty with this though and thought it was kind of fun. I also thought it was fun to mark in the map the different areas where I had seen different animals. When I mapped my field site before, I didn't put as much detail in it like the textures and where I had seen certain animals.

This month the maple tree I had looked at previously had lost many of its leaves. This was in preparation for winter. There was also a noticeable change in temperature. It was much colder than last time I sat. Mapping my field site was fairly easy because it was my own backyard. I had lived in the backyard for so long that I knew every nook and cranny. However, it was nice remembering interesting things I had seen in the past that had connected me to nature. It helped me reconnect to my earlier childhood. One indicator of biological molecules I saw during my experience was sap from a recently cut tree log. This log was intended for our fire pit but it was a great example of organic sugar in nature. The sugar in the sap is sucrose since plants convert the glucose into sucrose for transport. The flower I found last month was made of molecules similar to those found in the sap. These molecules are originally produced in the form of glucose during photosynthesis and are then converted into sucrose. Since the flower is part of a phototrophic plant, the energy used to create these molecules comes from the sun. The sun is also the ultimate energy source for my entire field sight as well.

IB Biology HL - Year 2 (Lyles)

Our current unit is all about plants. Students were introduced to a new plant propagation technique and are attempting to clone African Violets. They also have to know and recognize plant tissue so they added food coloring to celery to view these tissues.

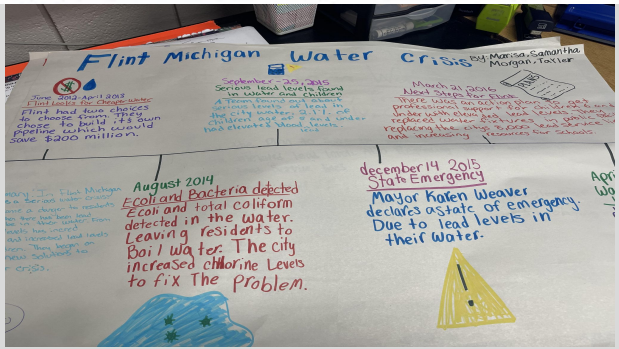
Earth Science (Lyles, Bolus, Hepner)

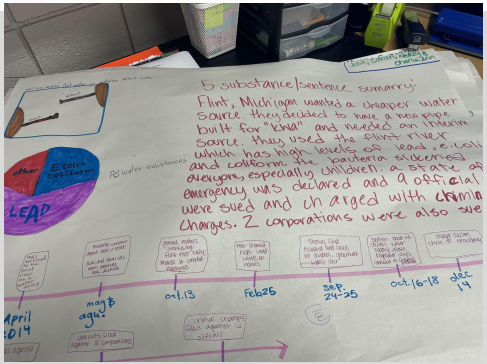
Students are learning about WATER! They researched threats to groundwater and designed posters to share information with their classmates. Students also completed a mini-project related to the parts of the water cycle. Students also research the Flint Michigan water crisis and designed posters to illustrate what they learned.

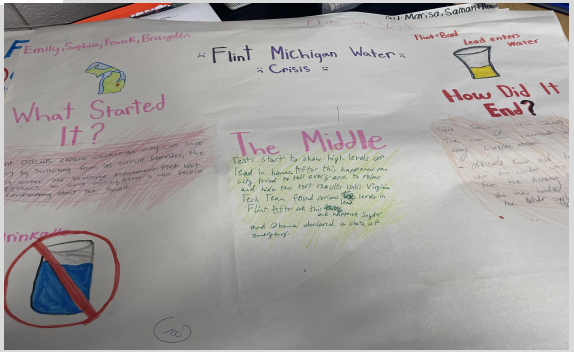
[Water Cycle Journal 1]

[Water Cycle Journal 2]

[Water Cycle Journal 3]

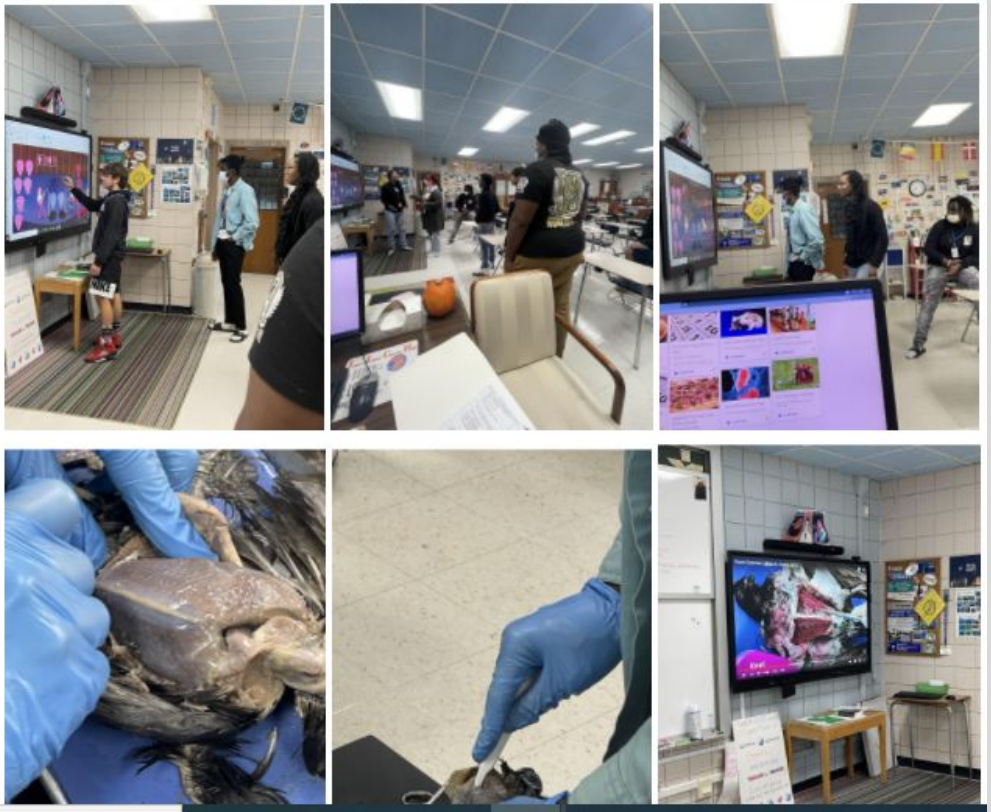


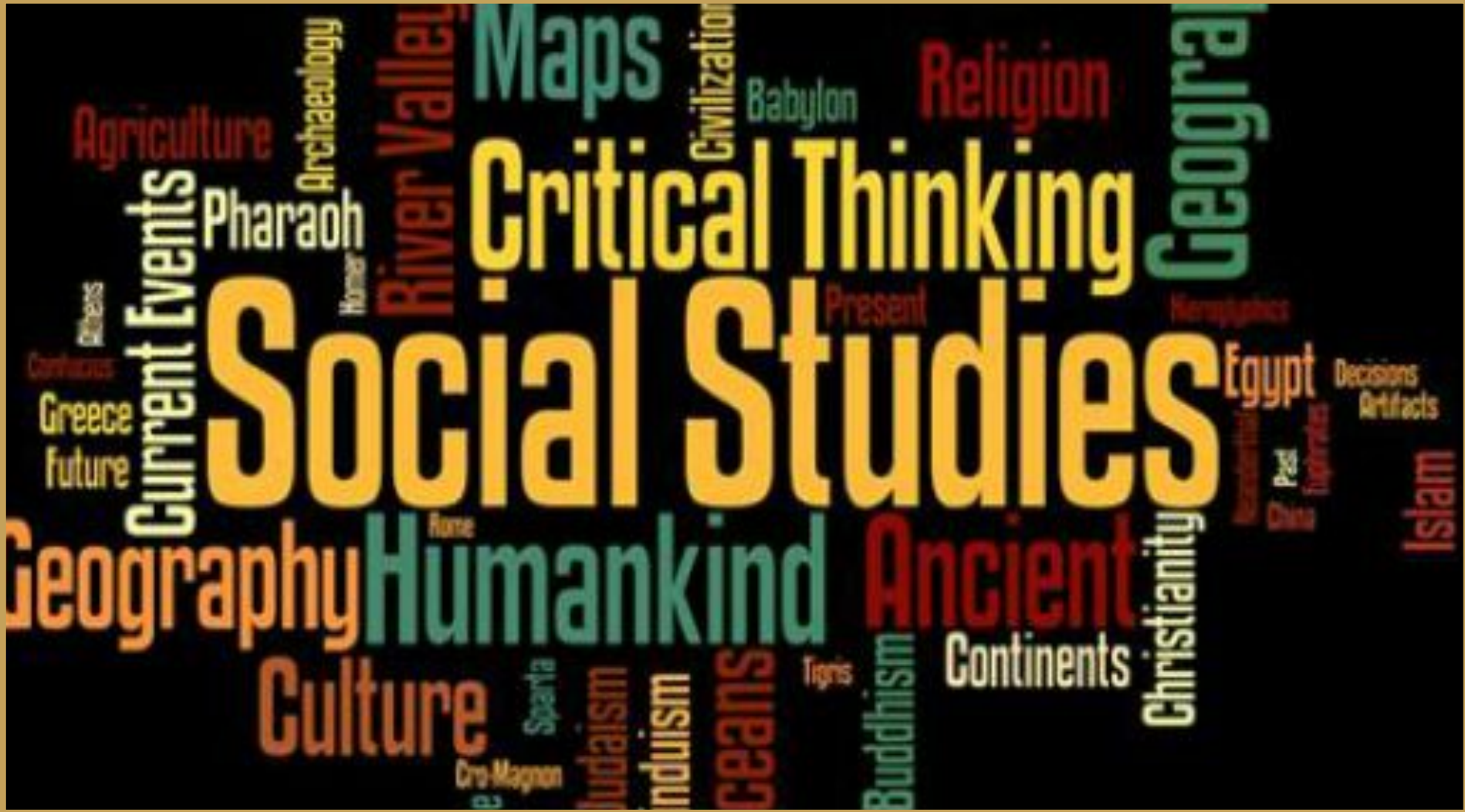




Biology 2 (Mrs. Lyles)

Students have been learning about vertebrate animals. Each day we start class with a whole class SMARTBOARD review. Students have also dissected representative animals of each vertebrate phyla. On the day documented here, they were learning about birds.




Social Studies
Critical Thinking
Maps
Humankind
Geography
Culture
Ancient
Continents
Religion
Agriculture
Archaeology
River Valley
Civilization
Babylon
Pharaoh
Current Events
Greece
Future
Present
Egypt
Decisions
Artifacts
Islam
Christianity
Buddhism
Hinduism
Judaism
Oceans
Cro-Magnon
Sparta
Tigris
Rome
China
Confucius
Athens



COACH ROBINSON, MRS. CELLARS AND MS. WAKEFIELD TOOK 4 OF OUR US HISTORY CLASSES TO MIDDLETON PLACE. WE DYED INDIGO AND MADE CANDLES LIKE THEY DID ON THE PLANTATION. WE ALSO PET GOATS, HORSES, PIGS AND SHEEP, SAW A GIANT ALLIGATOR, LEARNED ABOUT THE MIDDLETON FAMILY AND THE THOUSANDS OF ENSLAVED PEOPLE WHO WORKED FOR THEM, HAD A PICNIC LUNCH AND ENJOYED BEING OUTSIDE IN THE SUNSHINE. THE SOCIAL STUDIES DEPARTMENT PAID FOR SEVERAL FINANCIALLY STRUGGLING STUDENTS TO ATTEND. ADDITIONALLY, MANY OF THESE 11TH GRADE STUDENTS TOLD US THAT THIS WAS THEIR FIRST FIELD TRIP AS A HIGH SCHOOL STUDENT.



MS. WAKEFIELD GOT 2 DONOR'S CHOOSE GRANTS FUNDED THIS MONTH FOR NEW WORK CHAIRS FOR COACH ROBINSON AND COACH CROCKER.

SOCIAL STUDIES TEACHERS ARE FEELING CALMER AND ENJOYING THE NEWLY QUIET HALLS DURING LUNCH- GIVING TEACHERS TIME TO EAT, USE THE RESTROOM, PLAN WITH OTHER TEACHERS AND PREPARE FOR THEIR NEXT CLASSES.

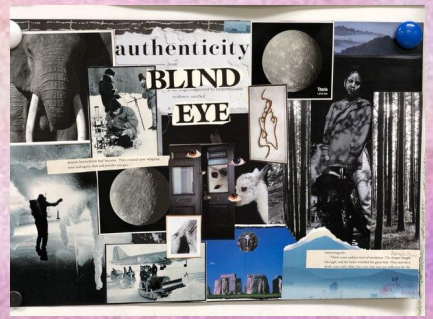
SOCIAL STUDIES TEACHERS ARE LOVING THE NEW FURNITURE IN THE HALLWAYS AND ARE USING THEM OFTEN FOR GROUP WORK AND AS CALMING AREAS FOR STUDENTS.

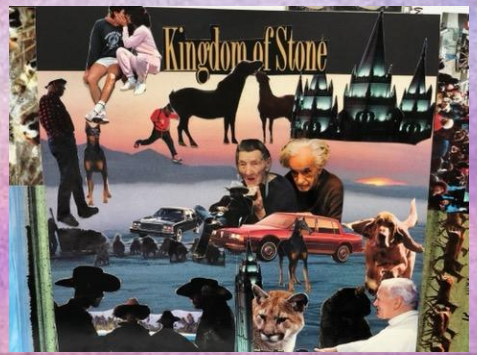
MRS. CELLARS PSYCHOLOGY CLASS WORKED IN GROUPS TO CREATE THE TALLEST STRUCTURE OUT OF SPAGHETTI NOODLES, TAPE, STRING AND ONE MARSHMALLOW. THIS PROJECT WAS DESIGNED SO STUDENTS COULD APPLY WHAT THEY LEARNED IN THE SOCIAL PSYCH UNIT - AND EXPLORE HOW GROUPS WORK TOGETHER.


Visual Art

Art 1 - (Mrs. Montella, Ms. Purvis and Ms. Read)

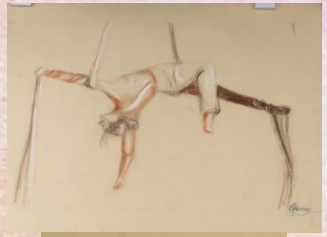
Students are working on Surrealism Collages and Sculpture Projects!

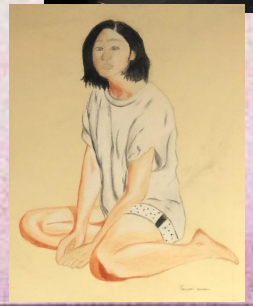




Art 2 - (Ms. Purvis)

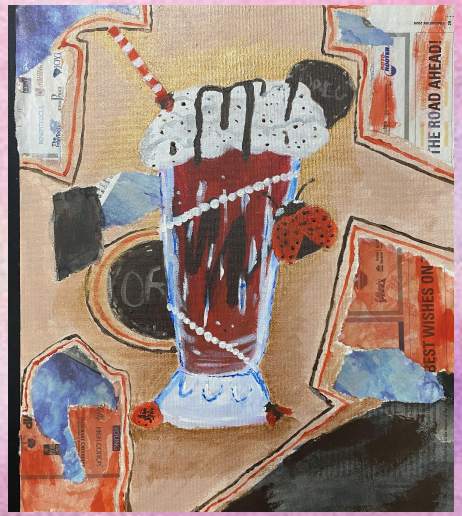
Art 2 previous works include figure studies in trois crayon, portraits in pan pastel followed by class gallery walk critiques, and encaustic paintings with written reflective statements on the art making process. Currently they are experimenting with 25 watercolor techniques to prepare for working on their 5 small plein aire en temp paintings of interior or exterior spades that have special meaning to them.

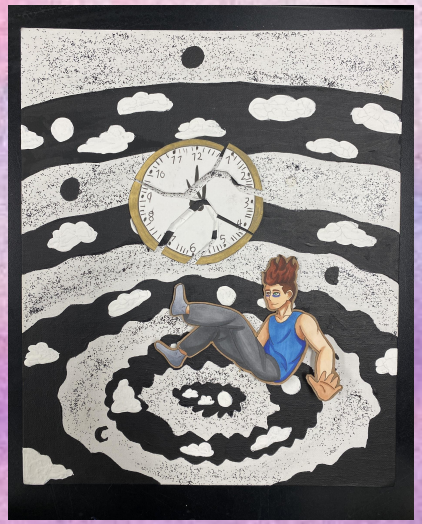




Honors Art 4/ Pre-AP Art - (Ms. Montella)

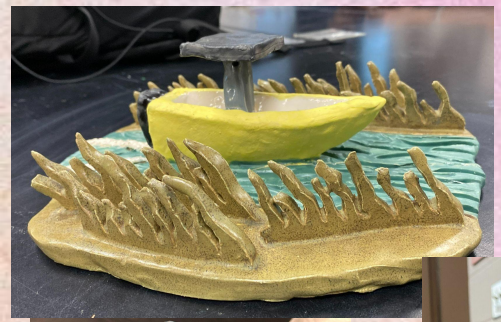
Students are continuously working on their sustained investigations and preparing for the AP Portfolio. They're focus topics range from Mental Health topics to symbolism through animals.

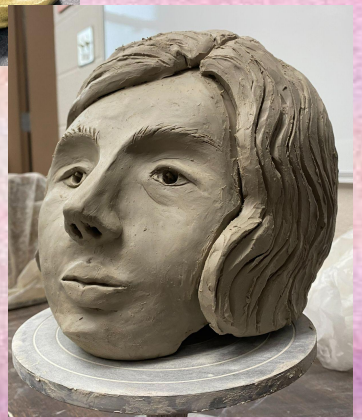




Ceramics 1 - (Mrs. Gunther)

Students recently completed their Heritage pieces where they created a sculpture based on their family, family history or ethnical background. They then worked on their "Response to a Painting' piece where they create a 3D sculpture based off a 2D artwork. Lastly, some have began building their Trompe l'Oeil Food Projects, where they build 3D Food objects to trick the eye, based on a meal that has a sentimental story or history to them and their life.





Ceramics 2 - (Mrs. Gunther)

Students recently completed their Sgraffito vases where they build them out of coils, painted them with underglaze, then carved their designs into the clay revealing the color of the clay underneath. Their designs are each based off of a particular culture's artwork. Students are now working on their final two pieces of the semester, a "mini" project where they can create jewelry, a game or something small with a lot of a detail, and a Choice project to show off all the skills they've learned!

Graphic Design - (Ms. Read)

Students have been working on their company brand powerpoints. For this assignment, students had to come up with a company and research two different demographics that would buy their product and shop their business, then create mood boards. They then had to design a logo for their company. Afterwards, they had to create a tagline, business card, billboard and merchandise to sell their brand to the class. Check out the links below!

Time

Dragon Den Dojo

May Diamonds

Furniture Real

Serenity Cafe

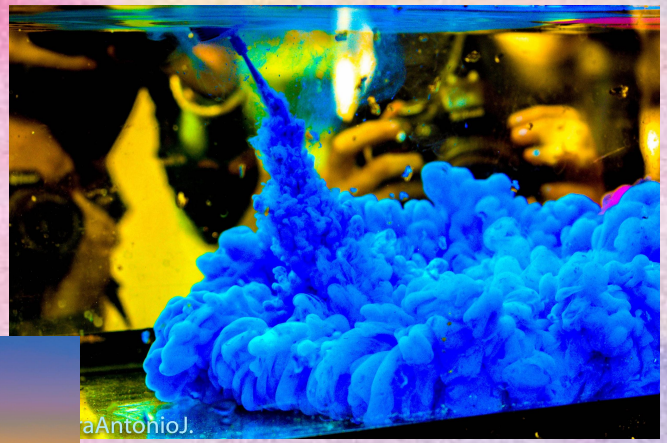
This piece is a part of Kayla's exhibition focusing on pollution and its effects on the environment. In this piece she is showing how fireflies are disappearing because of pollutants in the environment.

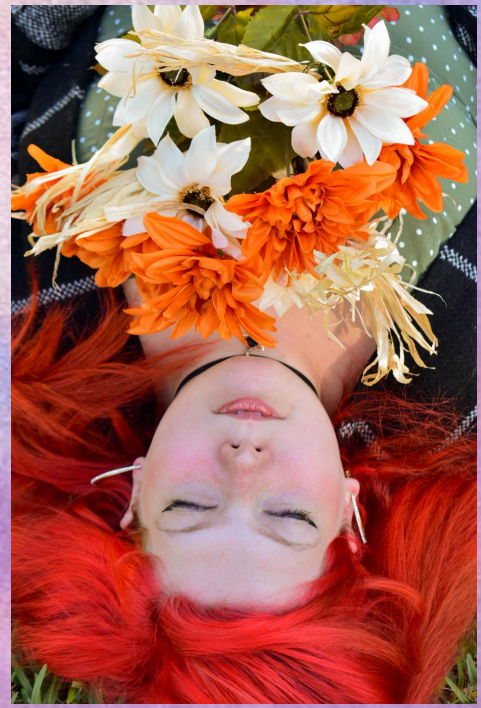
IB Art- (Ms. Read)

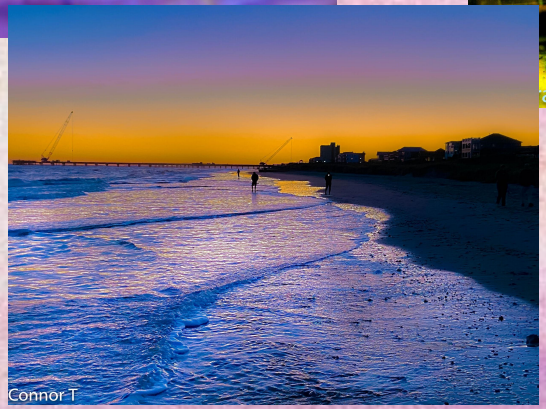
This piece focuses on the use of symbolism and the role of female archetypes in stories.

Photography - (Ms. Purvis)

Photography students just finished portraits, followed by color scheme photos, and are now working on narrative and forced perspective series work.

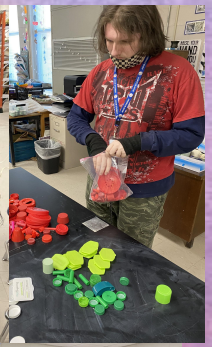






Unified Art-(Mrs. Gunther)

Students are currently working on a recycled mural of our new Trojan Logo! They are using White, Clear, Orange and Blue bottle caps to bring the piece to life. We are working on finding a permanent home for the piece once it's complete later this week! Student also recently completed recycled spiral paper sculptures. They are featured in the library!



JICHS Service Projects

JAMES ISLAND CHARTER HIGH SCHOOL
TROJANS
JICREW
#StrongerTogether

Ms. Purvis', Mrs. Gunther's' and Ms. Read's CREWs are creating mosaic tiles to complete our Courtyard design!

JICHS Service Projects

JAMES ISLAND CHARTER HIGH SCHOOL
TROJANS
JICREW
#StrongerTogether

Festive

Candy Grams

for sale Dec. 6-10 during both lunches!

$1/each

Show someone how much you appreciate them this holiday season!

AVID
Proven Achievement

RMHC

Brought to you by the AVID Class of 2023
Proceeds will benefit Ronald McDonald House Charities