



## **Monterey High School Neighborhood Newsletter Spring 2023 - April - May**

**Hello Neighbors!**

It is the final quarter of school for the year and this quarter always hits us very quickly. With this letter I intend to bring a lot of news to the forefront but also celebrate some of the recent student achievements.

**Smarter Balanced Assessment Consortium (SBAC) - All 11th grade students will be taking the SBAC beginning next Monday, April 10th. This is the most important testing of the year as it is one of the only assessments all students across California take, therefore it allows us to see how we measure compared to schools across our county and state. It influences school ranking (which has a myriad of implications) and helps our school see where our curricular deficiencies lie. Additionally, if the students can outperform last year's 11th grade MHS students in both ELA and Math, a class wide taco party with unlimited food is theirs!**

**Open House - On April 20th at 5:30pm, we will have our Open House Showcase which is an evening to celebrate all our students have accomplished throughout the year. We would love our neighbors to come and see all the great things happening at MHS! We will have art project exhibitions, Personal Project showcases, performances from our band, choral arts, theater arts, and much more! This is also an opportunity for the community to interface with teachers to see the types of projects and assessments students have been completing in class. This is always one of my favorite nights of the year so please plan on making attendance a priority! Additionally, we will be inviting next year's 9th grade families so please make a point to welcome them into the Green Machine!**

**Monterey Bay FIRST Robotics Regional and Silicon Valley Championship - Once again, our Robodores team outpaced expectations and advanced to the finals of the Monterey Bay FIRST Robotics Regional held at Seaside High School two weeks ago. This was an international competition with teams from across the country and the world taking part! Our Robodores not only held their own but thrived all the way to the final round before being eliminated. We are very proud of the team, program and Mr. Coyne! Finally, a huge shoutout to Sindhu Gokaraju who was named a FIRST Dean's finalist at the Regional. The following weekend, the RoboDores competed in the Silicon Valley Championships, bringing home the win and bumping up their staggering ranking to 18th in the country and 22nd worldwide! Go Dores!**

**2023 MCOE Science and Engineering Fair - Our students absolutely crushed again at the Monterey County Office of Education's Science and Engineering Fair. Notably, Rithik**



Bhushan's investigation was the sole project selected to represent Monterey County at the upcoming Regeneron International Science & Engineering Fair in Dallas, Texas. Thank you to Mr. Nicholson for your tutelage! All honors include:

- **Rithik Bhushan (11th) *Analysis of Osmoadaptation Systems in C. reinhardtii in Response to Osmotic Stress Produced by Toxic Brine Dumping Cycles***
  - 1st place Microbiology
  - Society for In Vitro Biology Award
  - Yale Science & Engineering Association Award
  - Qualified for California State Science & Engineering Fair
  - Qualified for International Science & Engineering Fair
- **Eunwoo Kim (11th) *Filtration of 1-5 mm Sized Microplastics Using Activated Carbon and Magnetic Powder***
  - 1st place Environmental, Earth, & Geology Sciences
  - National Geographic Award
  - IEEE Technical Excellence Award
  - Qualified for California State Science & Engineering Fair
- **Sindhu Gokaraju (11th) & Sneha Gokaraju (11th) *Discovery of Natural Therapeutics for Various Cancers by Targeting Tank Binding Kinase-1 Mediated Signaling Pathways Using QSAR Modeling***
  - 2nd place Computer Science & Mathematics
  - IEEE Technical Excellence Award
  - Qualified for California State Science & Engineering Fair
- **Mariana Collazo (11th) & Liliana Richer (11th) *Comparing the Effectiveness of Corn-Starch Plastic and Potato-Starch Plastic***
  - 2nd place Engineering, Technology, & Invention
  - United States Air Force Award
  - IEEE Technical Excellence Award
  - Qualified for California State Science & Engineering Fair
- **Vrishabh Gupta (9th) & Ansh Shah (11th) *A Comparative Analysis of Machine Learning Algorithms for Classifying Stages in Lung Cancer Patients***
  - 3rd place Computer Science & Mathematics
  - IEEE Technical Excellence Award
  - Qualified for California State Science & Engineering Fair
- **Zahra Sellami (10th) *Investigation of the Effect of Incubation Time on CRISPR Transformation of Escherichia coli***
  - 3rd place Microbiology

Cherry Center Regional HS Art Competition - We had two students take home top honors for their artwork at the Cherry Center HS Art Competition held in Carmel. Winners included Sascha Horn and Lauro Borquez. Thank you Ms. Tonkin for all your hard work with students!



**Walter Avery Seaside Art Competition - This is the first time in many years Monterey HS students submitted pieces in the competition and they proved very successful. Kendall Conlin took 2nd Place in the 3D Art category with her vessel titled Eyes and Ivanna Kirsebom took home 3rd place for her sculpture titled Poseidon's Pet. *Congratulations students and Ms. McMercury!***

**Our students' artwork and many others are displayed at the Walter Avery Gallery in Seaside City Hall for the next week!**

**As you can see we have a lot to celebrate and a lot to which we look forward. I hope the neighborhood is enjoying the sunshine and we will see you at Open House in just over a week!**

**Have a wonderful week! Go Does! Go Green Machine!**

**Home Athletic/School Events:**

Date	Sport/Activity	Opponent/Location	Time
4/11	Girls Lacrosse	MHS	3:30
4/17	Boys Volleyball	MHS	6:00
4/19	Boys Volleyball	MHS	6:00
4/20	Open House	Cafe	5:30
4/20	Baseball	Sollecito Park	3:30
4/21	Boys Lacrosse	MHS	3:30
4/21	Baseball	Sollecito Park	3:30
4/27	Girls Lacrosse	MHS	3:30
4/27-4/30 5/4-5/7	Something Rotten - Theatre Production	Forest Theatre	7pm for all shows except for 2pm on Sundays
5/1	Boys Lacrosse	MHS	3:30
5/3	Baseball	Sollecito Park	3:30
5/3	Boys Volleyball	MHS	6:00
5/5	Girls Lacrosse	MHS	3:00

**Thank you for partnering with us and being a part of the Green Machine. Go Does!**