

It's time to nominate next year's sySTEMs Board of Directors. Even in this unusual school year, we have been able to fund items that bridged the gap for LS, MS, and US students, allowing them to learn safely at home or distanced at school. Next year will be very exciting, and we would love for you to contribute to the board's growth. There will be many changes to participate and sySTEMs needs your help to make it all come together.

## President

The President presides at all executive committee meetings, oversees and guides the other officers, and appoints all committees and committee chairpersons. The president shall have regular meetings with the Head of School, the Director of STEM education, and others as needed to promote and support STEM programs at Parish.

## President Elect

The President Elect shall assist the President in his/her role and support all of the other officers in the execution of their duties. President Elect shall oversee the Grant Committee.

## Secretary

The Secretary shall keep a record of all membership and executive committee meetings, special and regularly scheduled.

## Treasurer

The Treasurer shall account for all monies due to sySTEMs and their account locations as approved and controlled by Parish. The Treasurer shall approve disbursements of funds of sySTEMs only for the purpose approved by sySTEMs. The Treasurer shall present a monthly accounting at all regular Executive Committee meetings and all other times when requested by the President.

## Membership Chair

The Membership Chair shall promote and monitor sySTEMs memberships within the Parish community.

## Upper School Liaison

This liaison will represent Upper School members at sySTEMs board meetings. They will assist with the distribution of sySTEMs swag and support the Membership Chair and Volunteer Coordinator as needed with divisional member recruitment.

## Middle School Liaison

This liaison will represent Middle School members at sySTEMs board meetings and assist with the distribution of sySTEMs swag and support the Membership Chair and Volunteer Coordinator as needed with divisional member recruitment.

## Lower School Liaison

This liaison will represent Lower School members at sySTEMs board meetings and assist with the distribution of sySTEMs swag and support the Membership Chair and Volunteer Coordinator as needed with divisional member recruitment.



## Communications Chair

This chair will produce quarterly newsletter and handle communications of sySTEMs as needed.

## Activities Chair

This chair will help plan and organize sySTEMs events (fellowship activities for members and/or community engagement events) throughout the year with the assistance of other volunteers, vendors, and school representatives.

## Volunteer Coordinator

The coordinator shall coordinate volunteers needed for ParishSTEM events throughout the year.

## Development Chair

Develop and implement a strategic plan to raise funds for large STEM related projects, equipment, or needs at Parish. These include but not limited to corporate donations.

## Katy Henderson


LS Leadership decided that as part of the division's COVID protocols students should not share supplies for the 2020-2021 school year. This announcement was made after budgets were set and has required the purchase of additional materials. With this grant Ms. Henderson was able to make STEM kits for all of her students. She purchased the following items:

- Rolling Cart
- Owl pellets for 1st & 2nd grade
- Magnifying glasses PreK-2nd
- Consumable for 215 STEM kits
- 2150 Pipe cleaners
- 2150 Popsicle sticks
- 2150 Biodegradable straws
- Play dough

## Jennifer McGraw

To try to maintain the kitchen lessons from the Nauslar Gardens, Ms. McGraw needed canopies that allow students to have lessons outside socially distanced. Ms. McGraw was able to continue with her traditional garden curriculum while also allowing the kids extra time outside. With her grant she purchased the following:

- Rolling Cart
- Large Canopies
- Umbrellas with stands



**Grants given  
by sySTEMs  
this year**

## Megan Williams

The school owns several of the EV3 robots; however it was cost prohibitive to purchase one for every MS student participating in FLL robotics classes. This grant allowed Ms. Williams to purchase **40 Ozobot robots** for each 5th and 6th grader to use at home. These small circular robots require programming and allowed the students to have hands-on experience to continue to build their programming skills during time away from school. These Ozobots will be reissued to the 5th grade I-Innovate students for the second trimester and provide additional opportunities for MS students in future years.

## Trisha Neuhooff

Upper School science department for AP Physics. 10 Students need materials for at home lab experience for the AP Physics exam in the spring. These will benefit the AP students this year but will be used by all physics students in future years

- Dynamics Cart and Track System with Go Direct Sensor Cart 1.2 m track

- Dual Range Force Sensor

- Go!Motion - Single Sensor

- Digital Sensor Cable

- Go!Motion to Computer Cable



Ryland, STEM Blair Fellow, sets up Mentos and Coke

When the weather is good, we love to learn outside at picnic tables, large grassy areas, and in the garden. Second trimester was full of exploring states of matter.

Of course, the STEM team is ALWAYS ready for a "Mentos and Coke" explosion. We even had a guest launcher, Mr. Monaco. If it bubbles, pops, or fizzes, the Hillcrest kiddos love it. We are turning the students into lifelong learners of science, one chemical reaction at a time.



Maggie, STEM Blair Fellow, helps with a vinegar and baking soda experiment



Mr. Monaco sets off three sodas to help compare the Mentos and Coke explosion heights. (Reach for the Diet Coke every time!)

Katy's Korner

## Ms. Henard

We've been having a 3D printing blast with the 3rd and 4th graders. The kids are also using Tinkercad to design and our Prusa printer to print.

In K-2 we are still learning and exploring coding. The 2nd graders also had a special lesson about internal computer parts.





# SYSTEMs

Supporting Your STEM Students at PARISH

TriTwo  
NEWSLETTER

2020-2021

## NASA ROVER *challenge*

VIRTUAL COMPETITION

AWARDS: April 16, 2021

Hopefully you have been following Parish Rover on Instagram where you can stay informed on the latest progress!



### The Team

Raj Anthony Jack Ashmore Hailey Baer  
Will Baschab Michaela Creel Rivers Glover  
Luke Hanft Maggie Hoffman Jeremy Kaplinsky  
Clay Kollinger Micah Lampert Anita Mahtani  
Ryland Marshall Jonas Pearson Austin Shaunfield  
Amelia Stotland Grant Williams  
captains

*follow on*  
**INSTAGRAM**

