

HOUND highlights

DECEMBER 2018



Administration

Principal

Mr. Michael Rice

Office Hours

7:00 am - 3:00 pm
Monday - Friday

*Lyman High School
is committed
to providing
educational
opportunities that
will prepare and
empower students
for an ever changing
global society.*

Principal's Message

Dear Greyhound Families,

Wow! When our team came together to develop this concept of "We Are Lyman," I never thought that we would see so many extraordinary aspects of our school come to life in such a short amount of time. This semester has been a season full of pride and spirit where the Blue and Gold of Lyman High School has been seen not only on the expanse of our facility, but also out in our community. From the parade and community celebration during Homecoming week, the alumni celebration during the Homecoming football game, and our recent celebration of the many cultures represented on our campus, it has given me great pride and excitement to be a part of this amazing community. Thank you to all parents, students, staff members, teachers, and community members for making Lyman such a special place. This is a great time to be a Greyhound of Lyman High School! #WeAreLyman

I would like to send a special thank you, as well to the City of Longwood who was gracious enough to allow us to shut down the Historic District on October 25th so that we could host our first annual Community Parade and Celebration in the newly renovated Reiter Park! They have been great partners with Lyman High School over the years, but this expression of the community joining hands with the school has been tremendous! Thank you to Longwood Mayor, Ben Paris, Commissioners Abby Shoemaker, Richard Drummond, Matt Morgan, and Brian Sackett; Chief of Police, David Dowda, City Manager, J.D. Cox, and Director of Leisure Services, Chris Capizzi for their support. From the initial meeting where our Leadership students, their sponsors, Mr. Plyler and Mrs. Hooper and I discussed the vision of this event, to the reality of the parade step-off. I could not have asked for a better, more supportive partnership. Thank you, Longwood!

A few weeks ago, our staff voted and awarded the "Teacher of the Year" award to **Ms. Faith Cotter**! Ms. Cotter has been a teacher at Lyman High School since the fall of 2013 and has taught students in the American Sign Language classroom. Ms. Cotter is a teacher with a passion for student learning, a dedication to provide her students with real-world experiences, and a sincere love for the Greyhound community, all of which have brought about significant improvements to our school culture. We were proud to honor her as our Teacher of the Year and look forward to many great years ahead. Congratulations, Ms. Cotter!

Our staff also voted and awarded the "Employee of the Year" award to our First Impressions Team member, **Ms. Becky Hessler**! Ms. Hessler works in the Administration Office and plays a critical role of organizing and providing substitutes for teachers in their absence. She is someone who goes above and beyond on a daily basis, and we are proud to honor her for the work that she does to keep the school running. Congratulations, Ms. Hessler!

We recently recognized our students who earned academic success during the first quarter. Almost 1700 students earned a "B" average or better on their Quarter 1 report card! Students earning a 3.5 or better

...continues on next page



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Principal's Message continues...

received an honor roll certificate, and 400 students who earned a 4.0 or higher received a FREE Chick-Fil-A sandwich from our business partner at the Altamonte Chick-Fil-A. Congratulations to all students on their outstanding achievement!

This month brought about many other awards and accolades involving our students. Congratulations to our **Lyman Band and Lyman Diamonds** for earning straight Superiors at the FBA Marching Music Performance Assessment! Congratulations, as well to our **Thespian Troupe 2329** who earned straight Superiors on their One Act *Oedipus the King*, along with many other accolades the weekend before Thanksgiving! A special recognition to **Ally Esteban, Kate Walsh, and Serena DeNicola** who won third place at the UCF Water Tower Competition. Finally, the group who spends countless hours working to provide Lyman High School students with the best activities and events, our **Lyman Leadership students and sponsors**. Congratulations to you for an outstanding Homecoming week!

Congratulations to our sports teams who have earned outstanding records and accomplishments this season as we continue our "Start the Chase" campaign. Our **Girls Slow Pitch Softball** once again won the **Seminole Athletic Conference CHAMPIONSHIP** for the second year in a row. They were honored with a luncheon and provide with shirts to recognize their outstanding accomplishment! We are very proud of their success. Our **Girls Volleyball** team advanced to the FHSAA Regional Tournament by finishing second in the district. This year's **Boys Golf Team** finished 2nd in District Competition and advanced to FHSAA Regional Championships as a team. In **Girls Golf**, sophomore Emma Hall advanced again to the FHSAA Regional Championships. Our **Boys Cross Country Team** finished the season by advancing to the FHSAA Regional Championships. In the pool, two of our boys from our **Swimming and Diving Team** advanced to the State Championships! Congratulations to Stephen Zanowic and Eric String for their efforts! In addition, our rowers on the **Lyman Rowing Team** performed very well at the Head of the Hooch Regatta in Chattanooga, TN! Finally, on November 14th, we recognized three individuals, **Lindsay Worsham** (Volleyball – California College of Pennsylvania), **Rachel Smythe** (Lacrosse – St. Leo University), and **Sydney Hedrick** (Soccer – Belmont Abbey College) for signing to play NCAA Athletics.

Over the next few months, we will begin the process of registering students for the 2019-2020 School Year. In January, our Curriculum Guide will be published on our website and it will be sent out through the Skyward Parent Portal. Students will have the opportunity to

select courses during the months of January and February. Our focus this year will be on ensuring that we take a look at each individual student to confirm that they are recommended for coursework that is fitting for their academic ability while challenges them to work at high levels. We will need your support through this effort as we challenge our students to push their academics to the next level.

As we promote higher levels of performance, our teachers of core content courses (English, Math, Social Studies & Science) will pre-register students for the level and course they recommend. Students will register themselves for their elective courses. In April however, all students will receive a printout of their course requests and will have the chance to make adjustments, if necessary, to the recommendations that were made. I encourage you and your child to sit down and take the opportunity to map out any future goals that your child may have, and make course selections based on their future desires.

As I mentioned in last month's newsletter, we will be breaking ground on our Stadium Project in early December. The School Board approved the project in November. The design will create a state of the art athletic complex, which includes the replacement our home bleachers, expansion of our track to eight lanes, an upgrade of the field lighting to an LED system, and the installation of a new stadium entrance with a beautiful 4-window ticket booth and iron fencing. We will share various updates on the construction process along the way as we prepare for the completion of the project in May of 2019.

Thank you for trusting us with your students and for all you do to support our school. Please be sure to stay connected by visiting all of our communication networks.

- **Facebook:** <http://www.facebook.com/LymanHighSchool>
- **Twitter:** <http://twitter.com/LymanHighSchool>
- **NEW - Instagram:** <https://www.instagram.com/lymanhs/>
- **SchoolMessenger:** (Phone & Text Messages) Text "Subscribe" to 67587. Be sure your name, email, & phone are all up to date in Skyward.
- **Skyward Family Access:** If you are not registered, forms are available in the Administration Office.

Remember, you matter, we matter, *Everyone Matters at Lyman High School*. Please let us know if there is anything we can do to help your child succeed!

Sincerely,
Michael J. Rice
Principal

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Guidance/Student Services

SOMETHING TO CHEW ON FROM LYMAN'S SCHOOL COUNSELING TEAM...

This past quarter has been busy in Student Services! We are proud to announce that we recently recognized over 300 students with a Chick-fil-a lunch for earning a 4.0 or above GPA in the 1st quarter. In addition, another 400 students were recognized for earning a 3.5-3.99 GPA. Go Greyhounds!

JUNIOR CREDIT CHECKS

Counselors just completed Junior credit checks. During this time, we discussed your student's current credits, graduation requirements and plans after high school. Please be sure to ask your student to see the unofficial transcript given to them during their credit check. In addition, you will be receiving this same report via mail before the winter break. If you have any questions, please don't hesitate to contact us with any concerns. We're here to help!

ASVAB

The Armed Services Vocational Aptitude Battery (ASVAB) exam was given to interested students on October 31st. Students were invited to a score analysis session on December 5th; however, if they were not in attendance, their scores can be received in Student Services. For additional information on interpreting scores, please see <http://www.asvabprogram.com/general-resources>.

BRIGHT FUTURES

All Senior students participated in the Bright Futures registration process through their Government/Economics classes. If your student was not in attendance, they must apply for the scholarship no later than August 31, 2019. For eligibility requirements, please see <http://www.floridastudentfinancialaid.org/ssfad/bf/>.

IMPORTANT DATES TO REMEMBER

- Registration for 2019-20 school year – February/March
- SAT – March 9th, May 4th and June 1st
- ACT – February 9th, April 13th, June 8th & July 13th
- Junior in school day SAT – March 6th
- SSC Decision Day Senior Field Trip – February 15th
- College Fair for Juniors at Lake Brantley – March 12th at 6pm

We appreciate all your hard work and efforts to ensure that your student is successful in high school. As collaborators in this process, we encourage you to reach out to us or your student's teachers with any concerns. Communication is key!

- Check your student's Skyward account on a weekly basis to keep up with progress and missing assignments. Contact your student's teacher as soon as you see a problem. Contact information can be found on Lyman's website under the "Staff" tab. Communication is key to your child's success!
- Contact Student Services at 407-746-2018 to schedule a parent/teacher conference.

— Your Student Services Team

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Academy of Teaching, Learning, and Leadership

Second Quarter began with the Introduction to Teaching students continuing their observations around Lyman's campus. Students specifically went to the Early Childhood classes on campus and started a "Reading Buddies" program with our littlest greyhounds (Lyman's preschool program). The students in the program also had the opportunity to create activities to do with the students using the Thanksgiving holiday as a theme. Generally, the students wear professional dress to class every Thursday, and go out in pairs to watch and learn from other teachers around campus. In the classroom, these students have been researching the history of education, starting back in Colonial times and working all the way up to the present day education system. What an interesting project this was as they learned how different the life of a student was back then! Students also learned about the different laws that have impacted education and the SCPS Attorney, Ms. Beamon, came and spoke to the students in both the Level 1 and the Level 4 classes regarding specific laws and how they impact a teacher, a student, and the school. The upper level students [Level 2, 3, 4] have been working on their dual enrollment course work through SSC. Level 2 & 3 have created lesson plans and discussed instructional strategies, while Level 4 students have spent time on a variety of teaching topics related to teaching/substitute teaching. Each week the Level 4 students work as "interns" in their practicum settings either on campus or at local schools.

Our new polo shirts look fantastic. Students looked great in them when we traveled to Longwood Elementary School on November 2nd to spend time in the elementary classes. Students from all levels of the program spent the day with teachers and students from Pre-K through 5th grade. Students had the opportunity to observe exceptional education students that were mainstreamed into the classes and how the teachers welcomed and worked with all students in the general education classroom. Longwood Elementary School was a wonderful host, providing lunch for the students and chaperones. The observation day was a great success!



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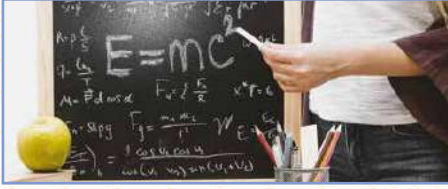


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Math Department



TRIGONOMETRY

Trigonometry students began the quarter exploring oblique triangles. We have now progressed into generating, verifying and then solving problems involving trigonometric identities. The Trigonometry teachers have incorporated many hands-on activities, stations, and technology in order to help the students better understand some of these challenging topics. Tutoring is available for all Trigonometry students after school on Tuesdays, Thursdays, and Fridays.

PRECALCULUS

PreCalculus students have been building on their knowledge of triangles by solving oblique triangles. We then progressed into generating, simplifying, and verifying trigonometric identities. The PreCalculus teachers continue to collaborate on designing rigorous practice for all standards covered in each unit in order to help students succeed in this course and also to prepare students for higher level mathematics courses. Tutoring is available for all PreCalculus students after school on Mondays, Thursdays, and Fridays.

Social Studies Department

Sociology is a new course offered to students this year. To engage students in the course, Mr. Donohue has created numerous hands on projects. These assignments allow his students to complete similar work as a sociologist would when working in the field. Over the Thanksgiving break, students were assigned a project to break social norms and record the responses and reactions of those around them as they were breaking the norms. Students were then tasked with watching others break societal norms and record the reactions of those around the person. In class, Mr. Donohue provided examples for breaking social norms; such as dressing for a different season or dressing too fancy or casual for different occasions. Students seemed very receptive to the idea of breaking social norms and when going on Thanksgiving break told Mr. Donohue they could not wait to record the reactions to their project. Recently in Ms. Stone's AP Human Geography class, students completed a harkness on population policies in various countries and the debated how effective these policies were in controlling the growth of population within four countries. Students were provided with four articles and the population pyramids for each of these countries in order to learn about the various laws and analyze the pyramids for an impact of the policies. Students enjoyed discussing the material and provided insightful outside information they researched to support their arguments.

Come DINE with Lyman DECA

Lyman DECA's Public Relations project is unique. Partnered with AT&T, DECA is crossing cultural borders. A member invites five people of differing backgrounds to a luncheon. The member leads a conversation where the group discovers each others differences. They discuss hobbies, childhood memories and family history. Anything to discover more about the people we meet in our lives. We have had three luncheons so far and will have four more before the holidays. So far we are learning so much about our differences and have become more culturally aware. Ultimately, it is hoped that those six people will go on to ask five of their own acquaintances and hold the same type of luncheon. A pay it forward program that spreads good will.



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Engineering Institute

INTRODUCTION TO ENGINEERING DESIGN (IED)

Students continue to use the engineering design process as they advance in their experiences and skills through the course. Students are learning basic rules of technical drawings while learning the drawing standards that apply. Students are learning to understand that technical drawing is critical for designers when effectively conveying their ideas about a product. Students have been practicing applying dimensioning rules and guidelines to technical drawings. Students are also learning about statistics and utilizing excel for statistical analysis.

CIVIL ENGINEERING AND ARCHITECTURE (CEA)

Students are underway on their next big project; the Habitat for Humanity Project. Students will design an affordable home for Habitat for Humanity using sustainable practices. The guidelines for the Habitat Home, along with codes and a client survey, will serve as the constraints for the project. Students will produce a client survey, create bubble diagrams and sketches, conduct site planning, identify water supply considerations, lay out electrical and plumbing systems, and complete water drainage calculations. The house will be modeled using 3D architectural design software. The students will present their work in the form of a written report and construction documents, including floor plans, elevations, a section view, and a site plan.

ENVIRONMENTAL SUSTAINABILITY (ES)

Students have been working on Unit 2 – Water. They have an understanding of the inner workings of an aquifer system, learned how to test for water quality, and acquired knowledge of how pollutants affect groundwater reserves here in Florida. Students are currently making a water filtration system that will allow them to filter “dirty” water created in class. They will analyze their creations and make changes to their prototypes. We will wrap up the nine weeks with an in depth look at a water treatment plant.

AEROSPACE ENGINEERING (AE)

Aerospace students are working on a variety of projects. They are learning orbital mechanics, including calculating how much energy is required to move satellites from one orbit to another. They are currently designing missions to mars. They must consider aspects such as travel, resources (oxygen, water, and food), shelter, safety, biological needs, communications, and the sociological needs of your proposed crew. In addition students are learning about autonomous robotics systems that work on the international space station and on mars.

DIGITAL ELECTRONICS

Students are implementing the digital design process, creating a circuit and documentation representing the process, design and build of electronic circuits and their properties.

AP COMPUTER SCIENCE PRINCIPLES

AP Computer Science Principles completing their Explore Performance Tasks and working on the Big Ideas for Computer Science including: Algorithms and Programming. Students are using various platforms and programming languages to learn these concepts and produce their submissions for the AP exam.

LYMAN STEM

Lyman STEM is in full force with: Lyman's four teams of CyberPatriots completing Round 1; Technology Student Association (TSA) elections, competition preparation, and sponsor training; Coding Club competed in the Congressional APP contest while engaged in other competitions; Girls Who Code has increased their enrollment; NTHS enrollment increased; and SECME meetings and design in process. Showcase info and the Regional Science, Engineering and Math Fair upcoming Saturday, Feb 2nd, 2019.

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English Department

In Seminole County, all students enrolled in courses that utilize end-of-course exams (English, Biology, Algebra I, Geometry) are given common assessments throughout the school year to prepare for the end-of-course exams (or EOCs). These exams are common among all courses in the district and are administered each quarter as the required quarter exam. For preparation purposes, here's a closer look at how these exams function in the English Language Arts (ELA) classroom.

In the 9th and 10th grade, the skills-based common exam for ELA is closely aligned to the reading portion of the FSA, both in content and results. The district uses the test item specifications published by the Florida Department of Education to develop a test that mirrors the format and difficulty of the Florida Standards Assessment (ELA FSA). Data has been analyzed from each administration since these district-level common exams were first implemented three years ago. That data has been compared to the same results from the FSA that denotes a strong correlation between the two. This means the common assessments are good indicators and projections of a student's potential success on the FSA and can be used to guide teachers' instructional practice. When students complete their common exams, teachers obtain detailed results about their students' performance on the exam. This way, teachers can understand which skills their students need more practice with and can better prepare them for the ELA FSA.

In the 11th and 12th grades, the focus of our ELA courses is to prepare students to be college and career ready, so students' common exams in these courses will contain questions that align with the SAT/ACT in order to gather feedback on skills that will better prepare students for the SAT and ACT. Teachers of these grades also build SAT, ACT and general test-taking strategies into their curriculum.

For more information on state tests and college-preparedness tests, or for extra test practice, visit the following sites:

- fsassessments.org
- khanacademy.org
- collegereadiness.collegeboard.org/about
- www.act.org



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Visual Arts Department

Lyman art students cordially invite you all to come out to several art shows in the coming months. Please come and support our young artists!

Advanced Placement Underclassmen Show at Casselberry Art House from February 7 to February 26. The opening reception will take place on February 8 from 6 to 8 pm. The Art House is located: behind Casselberry City Hall at 127 Quail Pond Cir, 32707.

Seminole County Dynamic Duos - a combination of art teacher and art student pairings, at the Sanford Art Walk on February 16, 2019. The art work will be on display at the Sanford Welcome Center February 16 to March 9. The Welcome Center is located at 230 E 1st St, 32771. The opening reception will take place on February 16th from 6 to 9 pm.



Advanced Placement Senior Art Show at Seminole State College from April 1 to April 4 in the Student Center. The opening reception will take place on April 3 from 6:30 to 8:00.

The Lake Mary / Heathrow Festival of the Arts on March 2nd and 3rd at Oval Park, 900 International Parkway, 32746. The student work will be in the student tent and the festival is open from 10 to 4 each day.

Science Department

The physics students have been working on research papers. The physics topics include black holes, worm holes, and supernovas.

The anatomy students have just finished the skeletal system and will be starting the muscular system.

Advanced placement biology students just finished studying cellular reproduction and will begin the unit on genetics after the Thanksgiving break. The students performed a DNA extraction using strawberries.

The biology students having been participating in different blended learning activities. The students have finished DNA replication and will begin genetics after the break.

In AP Environmental science we completed our terrestrial and aquatic biomes unit and students were able create a detailed poster of the different marine biomes and organisms. Also, we completed our atmosphere unit and students performed a lab explaining parts per million and parts per million in relation to the greenhouse gases. Next, we will begin climate change and soil units to complete the quarter and semester.