Lakeside High School CTAE
Where Knowledge and Passion RULE!

This group of Lakeside High School CTAE teachers bring a great deal of passion to the classroom to teach their content, and they also bring over 150 years of combined experience in industry and education that is of direct benefit to our students.

In addition to teaching in the classroom, these teachers have coached students to state and national-level awards and competition titles. This level of national competition and recognition offers students the opportunity to make connections and better prepare for their future. They develop strong skills in communication, time management, organization, punctuality, integrity, critical thinking and respect for diversity. The extra hours spent in preparation for competition require a great deal of dedication from students as they also have to keep up their assignments and grades in all of their classes plus commitments to extracurricular activities and after school jobs. These teachers welcome any student that is up for the challenge!

We are also preparing to offer AP Computer Science Principles for the 2018-2019 school year. This course will be available to all students and can be used as a 4th science or elective credit.

Finally, our CTAE students will be heavily involved in their respective CTSOs as they attend them during the Spring of 2018. I encourage you to help us by supporting our CTAE programs and learning more about how these programs are a pivotal focus for our students in on the job training.

Go Lakeside Panthers !!!!!
Isaiah L. Mealing
Lakeside High CTAE Director

FROM THE DESK OF OUR CTAE AP!

Dear Lakeside High Stakeholders,

What an amazing year it has been thus far! The 2017-2018 school year is moving along quite fast. Our CTAE students are continuing their hands on learning and preparation for skills that they will use very soon in the near future. Our CTAE programs will be highlighted at an upcoming Open House for rising Freshmen on Thursday, January 11th. This is an event that is taken place throughout the school district at all five of our high schools. Our Engineering, Cybersecurity, Healthcare Sciences, Law & Public Safety students will showcase the many positive and productive learning taking place so upcoming high school students will see what opportunities that they have here at Lakeside High.

For more information about Lakeside High School or any of our CTAE programs, please visit:

http://www.edline.net/pages/Lakeside_HS

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Evans, GA  30809
(706) 863-0027

Pictured (l to r) back: LTC Dave Wood, Susan Johnson, Pam Gosney, Pam McKean and Millicent Bowman, (l to r) front: Lisa Olson, SGM Linda Gary, and Susan Morris
Law Enforcement Explorers for Lakeside High School

On November 4th, 2017 the Law Enforcement Explorers for Lakeside High School competed in the 6th Annual Regional Explorers Competition held at the Gwinnett County Police Department. In total there were 16 police agencies and 2 high schools (Lakeside and Grovetown) competing. Our students worked hard to get ready for this competition. **Mckinlee Mitchell,** **Tiffany Torchia,** **Seth Smith** and **Jack Lomonaco** competed in Crime Scene Investigation, Domestic Violence and Felony Traffic Stop. In Crime Scene Investigation we were tied for 1st place with Grovetown High. The judges were forced to break the tie and we ended up in 2nd place - not bad for their first Explorers Competition. In Domestic Violence we placed 5th. It was also enjoyable spending a day hanging out with friends from Grovetown High School.

During the competition, Lakeside High School also sponsored an event: Bomb Threat. We scored 17 agencies that competed in this event. This was the first time at any competition that Lakeside hosted and ran an event. Not only did we get to compete, but we were able to provide an event for other agencies to compete in. This was a great learning experience for the students as they got to be the role players in the scenario when they were not competing. The day was full of training, scoring and having loads of fun getting to know one another.

For More Information Contact:
Ms. Susan Morris at :
Susan.morris@ccboe.net

Preparing for Skills USA Region 6 Competition

Region 6 SkillsUSA Competition on January 19th, 2018 held in Dublin, GA. We plan to compete in Crime Scene Investigation, Felony Traffic Stop, Extemporaneous Speaking, Job Skills Demo, CPR/First Aid, Prepared Speech and Job Interview. We will also be hosting an event at this competition as well. Here we will be hosting a Tactical Team event, requiring the teams to do a tactical assault on a vehicle. Grovetown High School will provide a school bus for this event to take place on, and this will be the first time such an event will be hosted at the Regional Competition.

In February 2018 Law Enforcement Explorers will travel to Gatlinburg, TN for the Boy Scouts of America Winterfest competition. This is a national competition featuring law enforcement agencies and fire department and emergency medical services will compete in a wide variety of events. This is the first year that Lakeside High School Enforcement Explorers will compete at this event and we are one of only two teams from Columbia County to compete.
The mission of JROTC is to motivate young people to become better citizens.

In October, the six platoons in the Panther Battalion competed against each other for the honor of Best Platoon. The winning platoon was 1st Platoon, Bravo Company, led by David Mentor and Danielle Dawes. Additionally, the 20 squads in the Battalion competed against each other for Best Squad. The winning squad was 3rd Squad, 1st Platoon, Bravo Company, led by Dustin Nunley and Katherine Cales.

JROTC has had a superb Fall semester!

For More Information About JROTC Contact: LTC (Ret) Wood at david.wood@ccboe.net or SGM (Ret) Gary at linda.gary@ccboe.net

Veterans Day

For Veterans Day, we assisted in hosting Lakeside High School’s Veterans Day Breakfast. Cadets provided outstanding support to ensure a flawless event. We had over 40 veterans represented. We also marched a detail of the Cadet Battalion, which included the unarmed and armed drill teams, in the Augusta Veterans Day Parade. During the week, we also participated in Veterans Day observances at Lakeside Middle School and Blue Ridge Elementary.

The Cadets did a marvelous job of escorting and serving our Veterans.

Cadets awaiting Veterans

Raider Team

The Raiders finished the season by winning the Roger’s Cup against Evans High School, Harlem High School, Hephzibah High School, and the Academy of Richmond County.

Despite a difficult setback at the Grovetown State Qualifier, the team finished in the top 3 of the three events they completed.

The team showed tremendous improvement throughout the season and we expect to be very competitive next Fall.
JROTC

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For More Information About JROTC Contact:
LTC (Ret) Wood at david.wood@ccboe.net or SGM (Ret) Gary at linda.gary@ccboe.net

Columbia County Christmas Parade

Our Honorary Colonel, Isabella Baldwin, SGM Gary, and 12-Block Drill Team, led by Samuel Aslakson

The Panther Battalion, led by Noah Shelton

Our Freshmen Cohort competes monthly in the Cadet of the Month Board competition. This event requires students to demonstrate excellence in a board interview, grades, physical fitness, and volunteerism. The following winners are: Austin Fair (October); Anna Caroline Shelton (November); and Avery Magill (December). Each month, the Cadet receives recognition in a Battalion-level ceremony. We are proud of each of these Cadets’ accomplishments.

The Armed Drill Team, led by John C. Gordon

The Unarmed Drill Team, led by Shania Stringer

Cadet of the Month Recognition

Our Honorary Colonel, Isabella Baldwin, SGM Gary, and 12-Block Drill Team, led by Samuel Aslakson

Military Order of World Wars Association

We have two Cadets selected to attend the Military Order of World Wars Association’s Leadership Symposium this coming February. We congratulate Mia Baldwin and Noah Shelton on their selection.
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**JROTC**

**Senior Night Recognition**

We paid honor to a number of our seniors at this year’s LHS Senior Night Football Game.

Cadets pictured are Isabella Baldwin, John C. Gordon, Shania Stringer, and Jared Shanahan

**Rifle Team**

The Rifle Team started practice in October and now the competition for the five competition slots has begun. We currently have nine students on the team. Each competition allows for 4-5 shooters competing individually with consolidated team scores providing a win.

The first Rifle Team match of the season will be 9 January at Hephzibah. We host Georgia Military College Prep School on 18 January.

**Drill Team**

Color Guard and Drill Teams represented us well at the Augusta Veterans Day Parade and the Columbia County Holiday Parade.

The Drill Team received a special invite from CCBOE to conduct a performance on the 11th of December Board Meeting.

The Drill Team had an exceptional performance against 13 schools during the Airport High School Drill Meet on December 2nd. We garnered the following honors:

4th Place- Inspection- Commanded by John C. Gordon
4th Place- Individual-- Kayon Walker
Armed Knockout winners: Joseph Rumbaugh; Jasper Burke; David Mentor; Kayon Walker; Bennett Klein
Unarmed Knockout Winners: Joseph Rumbaugh; Shania Stringer; Isabella Baldwin; Dakota Miles

1st Place- Armed Duo- Bennett Klein and Joe Rumbaugh
CyberPatriot Competition

CyberPatriot is the National Youth Cyber Education Program created by the Air Force Association (AFA) to inspire K-12 students toward careers in cybersecurity or other science, technology, engineering, and mathematics (STEM) disciplines critical to our nation’s future.

Industry Experts Join Lakeside Middle and Lakeside High

In preparation for Round 2 of CyberPatriot competition, Ms. Stokes of Lakeside Middle brought her CyberPatriot team to Lakeside High to collaborate and meet industry experts, Lawrence Abrams and Phil Plantamura.

For More Information About Cybersecurity Contact: Mrs. McKean at pamela.mckean@ccboe.net

During the first two rounds of the competition, teams of no more 6 members each log into virtual machines running Ubuntu 14, Windows 7 and Windows 10. They answer forensic questions and work to resolve vulnerabilities and secure those systems. Students also take a Cisco quiz and complete a packet tracer exercise.

Team Ones and Zeros: Evan Deyoe, Kelsie Vinson, Abidjan Yond, Jacob Black and Alex Dellinger

Team Supreme: Brad James, Grayson Williams, Chandler Corley, Alex Shaffer and Trevor Pickens

The Great Melting Pot: Kaleb Worku, Aman Patel, Ervin Pangilinan, Vinny Balan and Bella Bruggeling
Sports Medicine

Mrs. Olson’s Sports Medicine students job shadow our Athletic Trainer, Jennifer Deppin, at a home football game. Hailey Kerns and Jaylin Santiago observing the ATC assist a player with an injured ankle.

Patient Care Fundamentals

Students learning how to provide foot and hand care.

Patient Care Fundamentals

The students have been busy trying to learn the required 25 patient care skills before going to take care of residents at a local nursing home. They’ve completed a CPR course, had their flu vaccines and their TB tests. As you can see in the pictures below they are excited and ready to go.

Patient Care Fundamentals

2nd and 3rd period classes

Patient Care Fundamentals

4th and 5th period classes joined by Sports Medicine students

To celebrate HOSA Week November 6-10 2017, members completed a scavenger hunt/who-done it game. The winner, and recipient of a Chick Fil a gift card, was Georgia Keller.
Clinical Students “On the Job”

Sports Medicine Clinical students with Bart Grey, Volunteer Coordinator and supervisor of Healthcare Science students at Doctors Hospital reading "Letters to Santa" that children placed in the little mailbox in the lobby.

Sports Medicine

Mrs. Olson's Sports Medicine Clinical class completed the "BCon-Bleeding Control" Certificate course on Dec. 13. Mr. Greg Brooks (EMS Coordinator at Doctors Hospital) along with Lisa Dukes RN (Trauma Nurse Education Specialist) also from Doctors Hospital led the students in learning what to assess for in an emergency situation and how to control bleeding through use of tourniquets and packing wounds.

Mrs. Olson's 2nd and 3rd period classes (above)

Ms. Dukes (right) working with Hannah Hoyt

HEALTHCARE SCIENCE

Mr. Brooks (left) working with Taimi Hunter and Cour'maria Miles

Mrs. Olson's 4th and 5th period classes (below)
On Tuesday, December 13th, Lakeside High School inducted 53 CTAE students representing the pathways of Engineering Drafting and Design, Healthcare Science, and JROTC.

These students demonstrated their commitment to academic achievement in all high school coursework, service to their community and recommendation of the faculty by providing two teacher or administrator recommendations.

As these students progress toward graduation in their senior year they will be required to continue the level of achievement and to continue to serve their community.

ENGINEERING Students

Alemu, Heaven, Balan, Nikhil Bruggeling, Isabella Jeffers, Walker Merritt, Charles Locke-Primus, Malachi Monga, Sofiyan Pangilinan, Ervin Pham, Long-thien Silvey, Annaliese Silvey, Annkatrin Shaffer, Alexander Wolfe, Lillian

JROTC Students

Aslakson, Samuel Baldwin, Mia Ellis, Abrianna Klein, Bennett Manuel, Megan Miles, Dakota Munoz, Kerry Ransom, Alexander Rumbaugh, Joseph Shelton, Noah Stringer, Shania

HEALTHCARE SCIENCE Students

Basta, Samuel Bondar, Erika Burrows, Natalie Ciamaichelo, Daniel Gillion, Cara Graham, Hannah Green, Ny'Asia Guerrero, Anastasia Hodges, Katherine Hoyt, Hannah Jones, Malaysia Joslow, Rachel Liu, Sabrina Marbery, Hannah McGann, Kyla Monroe, Alyssa Orr, Rachel Rhein, Claire Rumbaugh, Alexis Ryans, Janiah Scarbary, Angelynn Seaman, Shealynn Short, Abigail Spratt, Noah Tran, Ivy Tu, Yvonne Walker, Leah Wilborn, Alayah
On Monday, December 11th, 3D Modeling and Analysis students presented engineering projects during the 3rd Annual Shark Tank – Bowman Style event. The challenge for the projects this year was to Engineer the Tools of Scientific Discovery; inspired by the National Academy of Engineering (NAE) Grand Challenge and Technology Student Association (TSA) Engineering Design competition. Students worked in teams and followed the engineering design process to develop and 3D model conceptual mechanical tools needed for scientific discovery.

According to the National Academy of Engineering (NAE), in the century ahead, engineers will continue to be partners with scientists in the great quest for understanding many unanswered questions of nature. In the popular mind, scientists and engineers have distinct job descriptions. Scientists explore, experiment, and discover; engineers create, design, and build. But in truth, the distinction is blurry, and engineers participate in the scientific process of discovery in many ways.

Grand experiments and missions of exploration always need engineering expertise to design the tools, instruments, and systems that make it possible to acquire new knowledge about the physical and biological worlds. In the century ahead, engineers will continue to be partners with scientists in the great quest for understanding many unanswered questions of nature.

Engineering professionals from local industries including John Deere, served as guest judges to evaluate and question the student teams. As CAD students, the focus was on detailed 3D modeling conceptual designs; animations and working models (i.e. 3D printed, etc.) were optional. And unlike the traditional Shark Tank, the students were not seeking financial support. The emphasis was on the design process and concept presentation.