Welcome to the first issue of the eighth edition of the Grovetown High School CTAE newsletter. The Grovetown High School students and faculty are excited about the 2016-2017 school year. Last year we added our Cybersecurity and Sports Medicine programs, and each has strong second year classes with eager students ready to perform to the best of their abilities. The Grovetown High School CTAE department has undergone changes in the past year. Mr. Scott Plunk was hired to teach our Audio/Video Technology and Film courses. Mr. Plunk comes to Grovetown High School with a wealth of knowledge gathered from working at the Home Shopping Network and ESPN. He has already begun to make his mark by being involved in filming numerous school activities. Grovetown High School is also excited to introduce our new CTAE Supervisor, Mrs. Juliet King. Mrs. King has been an administrator for three years, and previously worked as a counselor and science teacher. These new additions help to strengthen an already amazing group of educators. The Grovetown High School CTAE Department will continue to collaborate with business and industry leaders to discuss the needs of the local job market, and implement programs and initiatives to prepare our students to be competent citizens ready to compete in a global economy and LEAD THE WAY in everything they do.
Cybersecurity
George Dukes
gdukes@ccboe.net

Intro to Digital Technology
Students enrolled in the Intro to Digital Technology classes have started this school year learning basic computing and computer hardware. They’ve learned about hardware peripherals, such as motherboards and power supplies.

In addition, they’ve learned about the many different fields that Information Technology offers, and the newest technologies that are on the market. Students have also learned Internet Safety, computer ethics, and life skills.

Intro to Cybersecurity
Students enrolled in the Intro to Cybersecurity class have started this school year learning basic networking that includes routers, switches, and LAN/WAN connections. They’ve also learned about the OSI model.

During this month students researched and presented about the many different fields that the Cybersecurity field and Information Technology offers. Students have also learned the importance of internet safety, computer ethics, and internet security.

The Cybersecurity program is in its 2nd year, we are looking forward to taking class field trips and welcome guest speakers.

If you can provide assistance in either way, please contact me at gdukes@ccboe.net.

Law and Public Safety
Tim Perry
timothy.perry@ccboe.net
706-447-2102 ext 4473

Introduction to Law and Public Safety
As we begin the month of September, Intro students will be learning criminal law and criminal defenses. Students will examine the main defenses used in criminal trial that range from Alibi to Insanity. They will be given real world scenarios and have to provide a defense for the accused. The students will also view the OJ Simpson trial and apply procedural law and defense to the mistakes made by LAPD.

Criminal Justice Essentials
Students in Criminal Justice Essentials are beginning Constitutional Law and will delve into the Bill of Rights. They will study landmark Supreme Court cases and how they impact law enforcement. Cases will cover the Fourth, Fifth, Sixth, and Eighth Amendments. Students will also learn about search and seizure and prepare an Affidavit and Search Warrant for execution.
Culinary Arts
Lora Hydrick
lorahydrick@ccboe.net
706-447-2102 ext 4468

The culinary students are gearing up for an exciting year! The first year students are anxiously awaiting the arrival of their brand new chef’s coats and hats. They have learned that the chef’s uniform is the first step to kitchen safety! Speaking of safety, the students are learning about being safe in a restaurant kitchen and the proper sanitation procedures when preparing food for service.

The advanced culinary students are working hard to prepare to be ServSafe® certified. This is a national food safety certificate issued by the National Restaurant Association. The advanced students will be taking several field trip excursions this year to tour various culinary schools in the Southeast. We also have many catering projects planned for the year. It’s going to be a busy, fun and exciting year!

Army JROTC
MAJ Rodney Tyson
rodney.tyson@ccboe.net
706-447-2102 ext 4490
CSM William Conner
william.conner@ccboe.net
706-447-2102 ext 4497
SFC Anthony Williams
anthony.williams@ccboe.net
706-447-2102 ext 4497

The JROTC department is off to another great start this school year. Our enrollment continues to increase, and we currently have over 230 students in the program. Our JROTC program remains the largest ROTC program in the county.

Our Raider team has been selected and they had their first meet at Cedar Shoal High School in Athens on September 10. They had competed in the Columbia County Rogers Cup competition that was held at Lakeside and Evans High school on September 13 and September 15.

On September 14 we had an “ICE-BREAKER” social after school. In the past, the first time that we have been able to gather all the cadets together as one cohesive unit has been at the end of school for our organization day. The social allows us to get all the cadets together so that we can all get to know each other. Also, during the Ice-Breaker we hold a commissioning ceremony for all the officers, and we conduct several promotions for cadets in key leadership positions. The event concludes with cadets being treated to a spaghetti dinner that is prepared by our parent support group.

The JROTC department is completing our annual raffle ticket sale drive. The prizes are a 32 inch TV, 2 lower level Atlanta Falcons tickets, a round of golf for 2 people, a $100 Wal-Mart gift card, and a $50 lawn service. The raffle drive has been very successful and the proceeds will help support our cadets throughout the year.

FCCLA (Family, Career and Community Leaders of America)

Our focus will be on community service and we have numerous projects scheduled for this school year, including “It’s Spooky to Be Hungry”, a canned food drive in October for the Golden Harvest Food Bank.

GOLDEN HARVEST FOOD BANK
**Cosmetology**

Rita Angelisanti  
rita.angelisanti@ccboe.net  
706-447-2102 ext 4469

The month of August students learned about SkillsUSA and lab safety. SkillsUSA is an organization that students are given the opportunity to learn and practice employment and leadership skills, and network with industries. Students learned how SkillsUSA is an integral part of career and technology and how participation in SkillsUSA can promote lifelong responsibilities for community service and professional growth.

Infectious control is extremely important in the personal care profession. In detail, safety, regulations, and infectious control was taught. Students learned how to classify different types of bacteria, bacterial growth, and reproduction. Student procedures for proper standard precautions, blood spill procedure, and preventing cross-contamination in the salon. Also, proper use of disinfectants and safe handling guidelines when using and disposing of chemicals.

---

**Automotive “ROAD WARRIORS”**

Kris Norris  
kris.norris@ccboe.net  
706-447-2102 ext 4471

The Grovetown High School Automotive department is working with Basic Maintenance & Light Repair (BMLR) students on Auto Shop Safety and equipment instruction. This first year class will be expanding their knowledge of vehicle systems and how each function to better understand vehicles operations. Thus laying the ground work for the students to develop skills in specific component training.

The Maintenance & Light repair II (MLR II/III), and Automotive Service Technology (IV/V) students are engaged in developing their knowledge of suspension systems and how they can be affected by change in spring rates and alignment angle adjustments. This allows them to perceive how the vehicle handling, suspension and steering affects the operation in changing environments. Secondly they are learning how to collect vehicle data utilizing scanner equipment and decipher how well the engine management systems are working. These are two major skill sets a technician of today needs to be successful in the automotive industry.

“Warrior Race Team” – a group of students from auto/welding classes with developed skills work to construct, maintain, and crew a FWD dirt track car we have designed and built with the help from sponsorships. The Warrior Race team traveled to Modoc Speedway on August 27th 2016 and ran hot laps, heat races, and a feature race involving 12 cars in the FWD(front wheel drive) class that night. The pit crew had to stay focused and make several adjustments during racing to stay competitive, eventually bring the car from a 26 second lap time to 22.5 second lap time, achieving a 8th place finish out of the 12 cars. Great job “Warrior Race Team!”
Graphic Design
Teresa Harris
teresa.harris@ccboe.net
706-447-2102 ext 4467

Graphic Design classes are getting started with Adobe Photoshop CS6. They are working with layers and understanding which selection tool to use to edit an image. They have completed projects by using the following tools; move tool, elliptical marquee, rectangular marquee, magnetic lasso, magic wand, and the healing brush tool. Students are displaying patience and determination in learning Photoshop skills.

The Graphic Design advanced students are excited about facing the challenges of creating Grovetown High’s eighth yearbook. This year Grovetown will be using Walsworth publishing company to assist us creating this year’s yearbook. The theme, cover, fonts, and colors have all been decided upon, so now the fun will begin. Along with creating the yearbook, students have been very busy with designing and printing posters for our school as well as Euchee Creek Elementary and Baker Place. We would be glad to design and print your posters or any other graphic need.
Healthcare Science
LaShon Bennett
lashon.bennett@ccboe.net
706-447-2102 ext 4472
Jessica Kirby
ejessica.kirby@ccboe.net

We are excited about the educational opportunities planned for our Healthcare Science students. GTHS is offering two Healthcare Science pathways this year. They are Allied Health and Medicine and Sports Medicine.

Introduction to Healthcare Science students are researching careers in the healthcare field. They are learning the foundational standards and skills needed in the healthcare industry.

The clinical students are preparing for their clinical rotations at Doctors Hospital in October and EAMC in January. We are proud to partner with local hospitals and numerous medical job-shadowing sites to enhance each student’s learning experience. It is a wonderful opportunity for our third year students to have a real world experience.

Our Essentials of Healthcare students are diving into the body systems! We have learned about the orientation of the human body, including body planes, cavities, and the Integumentary System! We are making use of our “mini-skeleton army” in this picture, and we will begin learning about the Skeletal System.

Our Sports Medicine students are learning the fundamentals of the evaluation process and documentation. The students are busy learning and practicing hands-on skills they will observe in the clinical setting when we begin rotations in October. Our students will have the opportunity to explore the broad umbrella that is Sports Medicine in clinical settings.

Business and Computer Science
Deborah Ward
deborah.ward@ccboe.net
706-447-2102 ext 4415

We will continue to use Microsoft IT Academy and GMetrix to help prepare students for Microsoft Certification.

The Introduction to Business & Technology students are now working in Microsoft Word. They are currently learning how to format flyers. The Financial Literacy students are learning how to use Microsoft Excel.

Principles of Accounting 1 is the 3rd class in the Business Accounting pathway and they are learning what is a normal balance for accounts and how to enter transactions into a T-account.

The business program is always looking for guest speakers. If you are interested, please let me know.
Audio-Video Technology and Film
Scott Plunk
scott.plunk@ccboe.net

The Audio/Video Technology I students have been learning about safety in the control room and out in the field as well as copyright and fair use rules and regulations. Utilizing Keynote on the iMac, professional presentations have been created by each student about the life and achievements of renowned film director, Steven Spielberg. The seeds of dreamers continue to be planted through the viewing and exploration of a young Steven Spielberg’s interview with 60 Minutes from 1982. These magical moments were followed by a virtual dive of learning into the majestical world of Garage Band! Learning and maximizing the powerful tools of audio editing and music creation that Garage Band offers, students were offered their first audio production “job” as they were hired to create their own multi-instrumental country song masterpiece of their own making. Just like true professionals, a strict one day deadline was given with the utmost level of focus and precision needed in order to make each and every song professional quality with every detail of audio wizardry! The banjo players had barely left the virtual building of creation when the students got their first big break... THREE songs that need to be created and masterfully produced in THREE days! Students are creating a hip hop song to be used with urban footage from New York City, a classical music piece to be used in conjunction with the opening of an opera house, and a science fiction mixture of music and sound effects involving a scene in a film involving an alien walking to a spaceship as it prepares for lift-off then does so. The resulting audio production pieces will be utilized later in the school year as video and audio editing merge into a maelstrom of creativity and magic!

The Audio/Video Technology II students have been reviewing safety and copyright laws as well. Short video biographies of luminaries of film directing and production have been intermittently explored to inspire the minds and souls of these advanced student geniuses! Steven Spielberg, Alfred Hitchcock, Stanley Kubrick, George Lucas, and James Cameron are the legends of filmmaking that have been studied thus far. After a brief review of music creation utilizing Garage Band, students have been busily editing a variety of events from the first pep rally to football game footage to post-game interviews with the quarterback as well as our new football coach, Mr. Postell. Deadlines must be met as the launch of the GTHS Warrior News for this school year is imminent! The control room is beginning to be explored as the video and audio incantations are preparing to be unleashed within our live show studio. Creativity and professionalism will be endlessly emphasized with every edition of the Warrior News show as coverage of school clubs, events, and sports will be available on the ESE Networks website like never before!

Our first local professional to come into our classroom for a journey was Randy Batarao, who recently joined us as he delved into the amazing and ever-evolving world of capturing video from above! Mr. Batarao, owner and operator of Bat Aero, brought his professional cameras and production drones for our advanced students to view. After offering valuable career insight on business ownership and professional opportunities in the realm of aerial videography, the class was taken outside to safely view from afar a powerful display of live shooting from high in the sky as footage was captured over the football field as well as the school itself! Local video and audio professionals of all kinds will be joining us in our classroom throughout the school year in order to show real-life opportunities that exist as students move forward in time with their own individual dreams and hopes professionally.
Metals
Michael Meyer
michael.meyer@ccboe.net
706-447-2102 ext.4470
In the metals shop, our first year students just finished units on construction safety and soft skills and have taken their safety tests. Next week they will start their first two welding assignments in the shop. They will be working on striking, arc, and running stringer beads in the flat position. They will be covering construction math and hand tools in the coming weeks in addition to more welding assignments in our shop.

Our advanced classes have been working on shielded metal arc welding (stick) assignments in the flat and horizontal positions. They have been running stringer beads, padding beads, and welding multiple pass t-joints. In the coming weeks we will be working our way into flat bevels on 3/8” plate. They have completed units on welding safety and oxy-fuel cutting in the classroom this past month. We will be covering units on base metal preparation and weld quality out of our NCCER textbooks in this coming month.

Our students have all been busy working on several projects. We are currently building three trailer carts that our school’s band will use to haul equipment to the football field for their performances. Once finished we will be building an 7 foot by 12 foot trailer for a lawn service business and will convert a 10 foot wide agricultural seed spreader into two separate 5 foot spreaders for a local hunting club.

We are also looking for opportunities to involve local businesses in our program. Young people want and need to know what real working environments are like, especially in construction, manufacturing, and workshop settings. If you or your company would like to come to the school and share your experiences with our students it would be greatly appreciated. We would also like to visit you. If you have the time and the ability to arrange for us to visit your worksite, please let us know.