



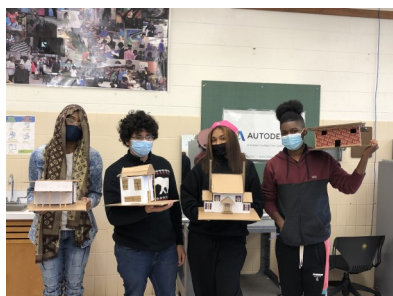
RTC NEWS: WE START CAREERS



First Issue 2021

RICHMOND TECHNICAL CENTER

Governor's CTE STEM Academy New Courses



Governor's CTE STEM Academy



Nestled in a nook of Northside, between the I-95 Interchange and an industrial park, sits the Richmond Technical Center (RTC). Tucked inside of RTC is the pleasure and innovation of STEM education, the Governor's Career and Technical (CTE) Academy for Science, Technology, Engineering and Mathematics (STEM) in Richmond (GSA). GSA as it is affectionately called is the premier STEM academy of Richmond Public Schools and one of its best kept secrets. We are letting the secret out and spreading the news of our existence.

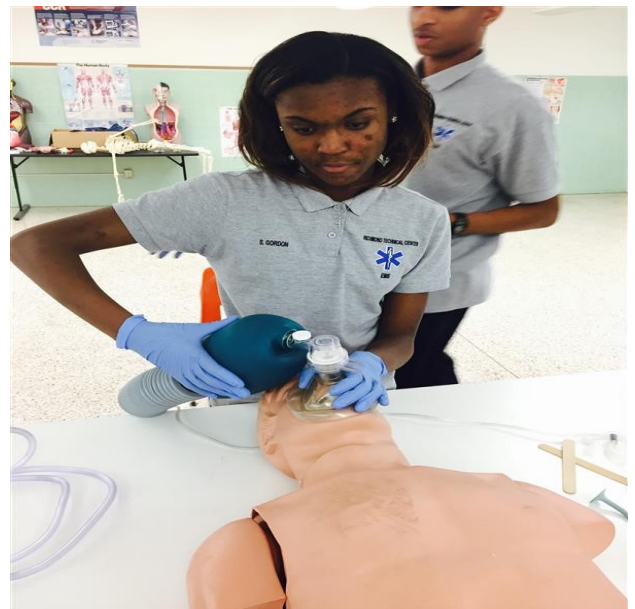
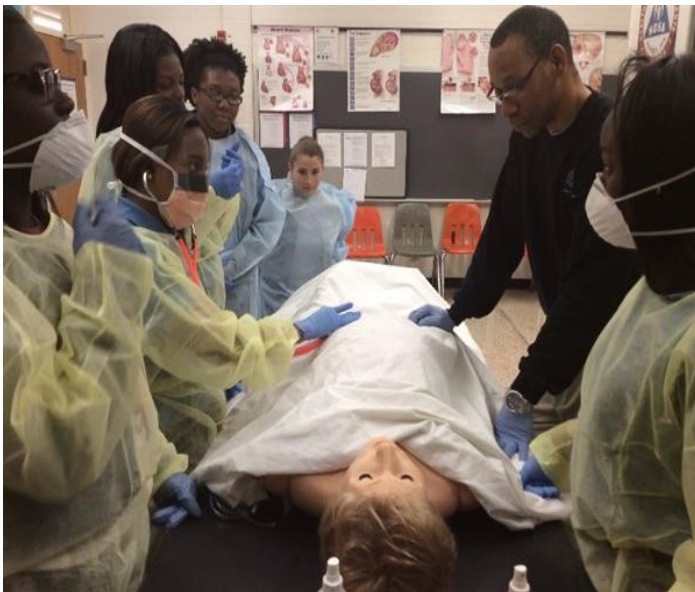
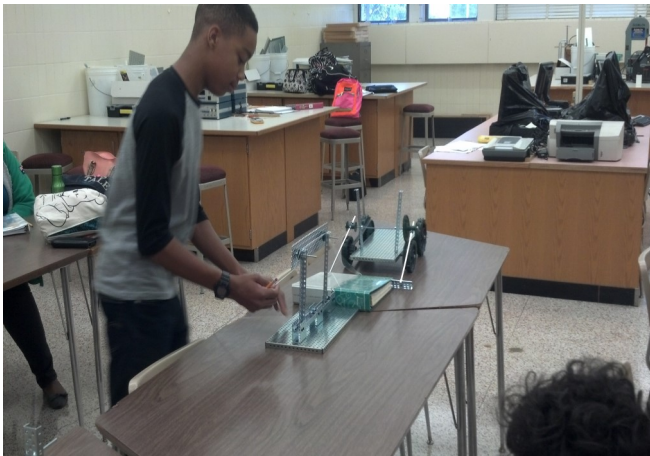
Since its inception in 2009, GSA has prided itself on providing rising 9th grade students of Richmond Public Schools a specialty school option filled with academic and technical rigor through its two career pathways. The Engineering and Technology Pathway offers foundational studies for students interested in engineering, architecture, technical drawing, digital design and computer science. The Therapeutic Services pathway best described as health and medical provides studies in the introduction of medical sciences, emergency medical services, sports medicine, anatomy, physiology, and biomedical sciences. Students experience classroom and real-world learning that incorporates technical theory and hands-on project based instruction. GSA's educational framework is fueled by stellar instructors who bring to the classroom high academia and current experience in the careers GSA students aspire to following their postsecondary education. In addition, we are very proud of our community partnerships, internships and job-shadowing opportunities in which our students can expand their learning and gain understanding of how they will operate as professionals.

The Governor's Career and Technical (CTE) Academy for Science, Technology, Engineering and Mathematics (STEM) in Richmond (GSA) is currently recruiting for their 2022-23 incoming freshman class. Candidates should possess the following: current 8th grader, Richmond City Resident, strong career interest in Engineering or Health Science, two teacher/counselor recommendations (preferably Math & Science), essays, interview with GSA staff, completion of Algebra I and Earth Science with a "C" or better (recommended) and application submitted through Enroll RPS.

The successfully enrolled GSA incoming freshman can expect to matriculate for four years through the Academy with their respective cohort in Engineering and Technology or Therapeutic Services. Over those four years, GSA students can look forward to exciting and challenging courses that will prepare them to earn several industry credentials including Workplace Readiness Skills Assessment, Autodesk industry software (Inventor, Revit, & Fusion), National Health Science Assessment, Project-Lead-the-Way assessments, Emergency Medical Technician Exam, and the Certified Personal Trainer Exam depending upon the pathway that they choose to enter. As the students mature and grow as scholars within the GSA they will also be encouraged to participate in the Technology Student Association (TSA), HOSA: Future Health Professionals, and the National Technical Honor Society (NTHS). All of these enriching opportunities will set students on a course to earn the VDOE Career and Technical Education (CTE) Seal in addition to a variety of other seals depending on their overall high school performance, placing them in a unique group of graduates launching into bright college and career futures.

We invite you to visit our website <https://rtc.rvaschools.net/academics/rtc-governors-cte-academy-for-stem> and contact our office for a tour. If you know any current 8th grade students that have interests in either of our pathways, we ask that you encourage them to apply via Enroll RPS found within our application tab on the GSA website.

See next page for additional photos



Images of the Governor's CTE STEM at RTC

RTC Motor Sport Go-Kart Project:

Mr. Craig Harris, Automotive Body and Motor Sport instructor, is focusing on STEM (Science, Technology, Engineering and Mathematics) for this school year 2021-22. The "Go Kart Project" is underway, and his students will receive hands-on experience in field they could eventually guide them to a job. Each will learn STEM skills at the Richmond Technical Center (RTC) by creating -karts from start to finish. Discovering many STEM skills that focus on Engineering Design, wheels, frames, variation of motors and speed as well as precision in mathematics and science with a focus on industrial technology. The interest of learners are high and they are embracing the challenges. Mr. Harris is ensuring that every aspect of the project integrates important life and workplace skills to enable students to use critical thinking skills, researching skills, reading and computer understanding.

Moreover, according to the US Bureau of Labor Statistics, STEM careers will grow 13 percent by the end of 2022. Many experts believe there are more than two million STEM jobs unfilled. The future is great for students in educational programs such as Automotive Body and Motor Sports.

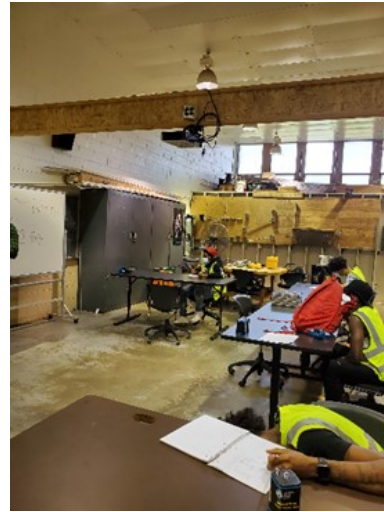
This semester is the planning and building phase of the project, and second semester the finished Go-Karts will be available, and we all are invited to see our students ride at the Capital City Speedway in Ashland, Virginia. ***The photo above is Mr. Harris demonstrating sizes of wheels.***



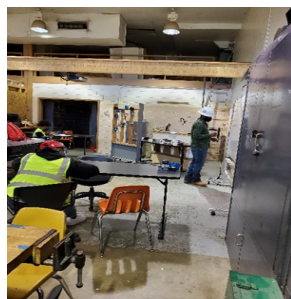
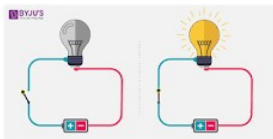


Electricity Students Preparing for the Future

Mr. Green, Instructor of Electricity, is working and lecturing students on a 4-way Switch Controls, and how to wire using the circuit 8. His students are using critical thinking skills, mathematics, electrical tools, as well as measuring tools to perform hands-on assignments that is more complicated than a traditional single-pole switch. He explained how to make the connections, and posed the question to the students: How can we use the components to make a lightbulb light? Each learner worked on creating their working circuit. Creating a keyless switch connecting to a light bulb requires critical thinking skills, mathematics, Engineering, Science, knowledge of electrical tools, and steady concentration on all steps. Moreover, many techniques taught and done by students are tedious; yet, very important. Learners are taught stripping the wire carefully to uncover conductor wires, measuring the amount of wire needed, stapling measured wire to stud, twisting the copper wire, understanding the purpose of the single gang nail on box, as well as the switch function that enables power control function for lighting as each novice electrician apprentice must connect wire correctly. The understanding of transformation of energy of a circuit is amazing to learners in his class.



In summary you may ask, "What is an electric circuit class 8?"

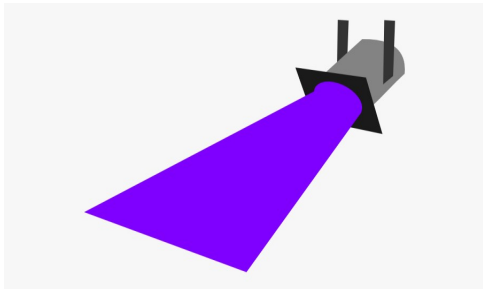


The electric circuits are **closed-loop or path which forms a network of electrical components, where electrons are able to flow.**

Mr. Green's Electricity I students are moving on and dreaming about their future career, becoming Electrical Technicians. Mr. Green is also preparing his students to focus on scientific language to develop their skills in the field.

Images of Universal Technical Institute Presentation in Automotive, Auto Body, Weld- ing and Motorsports Classes





PRETTY IN A MINUTE DEMONSTRATION Cosmetology Classes



Mrs. Johnelle Taylor and Mrs. Donna Paige are instructors in Cosmetology and worked closely with hands-on demonstrations and presentation of the Pretty in a Minute Company in November, 2021. Mr. J. Austin Brown, Supervisor and Mr. J. Mitchum, Principal were invited guests.

OUR STUDENTS ARE ON THE MOVE!

Letter From Our Principal

Dear RTC Colleagues, Families and Community:

Virtual learning was embraced last school year with optimism; yet, apprehension. We weathered the challenges, and successfully converged temporarily in imagery as we focused on a new system of learning. We are better for our quintessence.

I thank you for your determination and diligence. Welcome back to Richmond Technical Center, and continue your educational pursuits with steadfastness and persistence to reach your goals. We are resolved in supporting you in starting your career. We believe in you, and are here for you. We believe you, and value your uniqueness.

YOUR SUCCESS IS OUR SUCCESS!

As Richmond Technical School's Principal, I have endeavored to establish an open door policy with all. I am committed to continuing that philosophy. I genuinely look forward to hearing your questions, comments, and/or concerns and will always make time to accommodate them.

I may be reached at jmitchum@rvaschools.net or by phone at 804-780-6237.

Sincerely,

Jonathan M. Mitchum





RTC CULINARY ARTS

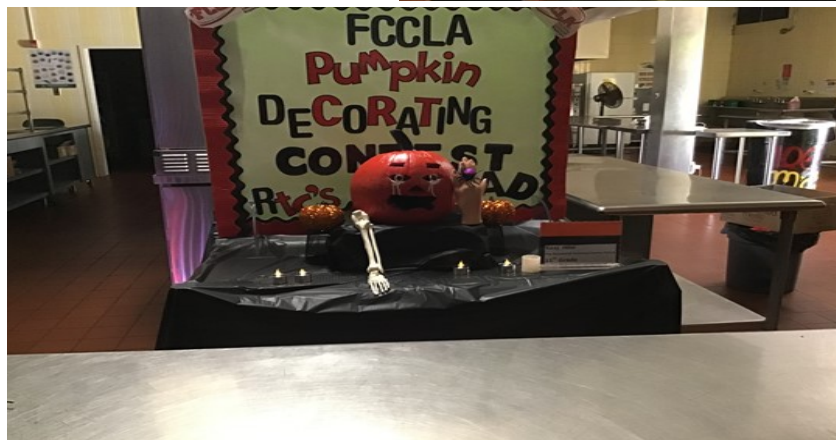
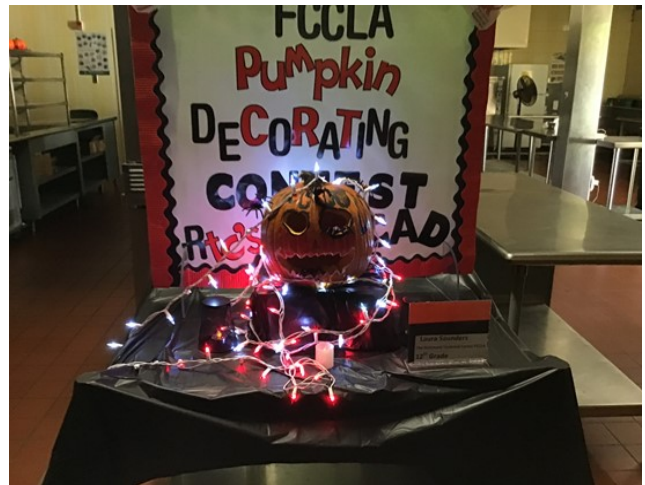


CULINARY ARTS STUDENTS SHOW OFF DECORATIVE IMAGERY SKILLS

The Richmond Technical Center Family Career Community Leaders of America (FCCLA) Culinary Arts students participated in an interesting as well as artistic (FCCLA) contest in Culinary Arts. Our career-oriented students at RTC who enrolled in Culinary Arts and under the leadership of Mrs. Mayo-Winston have created decorative pumpkins showing off their innovative skills of carving, designing, using creative decorative schemes and plans on each pumpkin. Their presentations are aligned with the contest rules of the FCCLA.

The pumpkins will be judged by state officers on originality, creativity, and neatness. Let's wish our students the best and thank them for their fantastic creations! Here are some of our entries.

Mrs. L. Winston Mayo, Instructor



RTC

RTC 2020-21 TOY

Expressions of Appreciation

2020-21 RTC Teacher of the Year (TOY): Mr. Dremon Miller Expression of Appreciation

Teacher of the Year 2020-21, Mr. Dremon Miller, is valued by his students in his Criminal Justice classes at Richmond Technical Center (RTC). He has a passion for giving and blessing learners with a wealth of knowledge in Criminal Justice courses, but also he instills kindness, love, and determination to succeed. Mr. Miller attended Richmond Public Schools, and decided to pursue classes at RTC in 2007 – 2009. Mr. Miller enrolled in Mrs. Woodson's Barbering class, and still recalls how he experienced much joy with RTC instructors. Students' embraced education, and worked diligently to accomplish educational goals. His experience as a student, helped him to strive for success by hard work as well as a deep appreciation for educators. That is why he is a teacher. He stated, "I never wanted to teach, but I am glad I chose teaching. Working with youth to help be a part of the positive change in their lives is very fulfilling in my years of learning," Mr. Miller remarked. He has worked with different students from diverse backgrounds, and mentioned his students often teach him many life lessons. "Being an educator is very rewarding, and I teach to give all students that I encounter, the best that I have to offer so that one day they can surpass me and use all of the information and life lessons they obtained with the hopes of giving back to their communities," he said.

Students' Remarks:

Judas Waines, a student shared, "I think Mr. Miller deserves the recognition of TOY. He is a great teacher."

Brittany Hayes, a student said, "He deserves the honor. He is very, very nice, outgoing, and understanding."





Have You Ever Performed an Autopsy?

Check out Criminal Justice and Principles of Biomedical Science Students

"This week, the students of Mrs. Rivenbark's Principles of Biomedical Science classes and Mr. Miller's Criminal Justice/EMT Communications classes donned their gloves and sharpened their scalpels to step into the role of Chief Medical Examiner. The students learned the steps of an autopsy and practiced performing the proper procedure required to carefully dissect and analyze a human cadaver. By collecting crucial evidence from the body and the crime scene, these students were able to draw conclusions about cause and time of death for a simulated decedent at the morgue. CPR dummies were set up with simulated external injuries and internal organs. The medical examiners in training cut open the body cavity (represented by a pillow case) with a Y incision to expose the organs underneath the surface. Various fruits and other materials were used to simulate organs, such as an apple representing a heart, balloons representing the lungs, and rope representing the small intestine. The students conducted almost every step of the autopsy process, including the removal and weighing of the organs, in order to complete a full, official autopsy report for their subject. Although they got pretty messy, the students were able to fully immerse themselves in this lab and see what a day in the life of a medical examiner would be like."

Mrs. J. Rivenbark, Instructor Biomedical Science



RTC GRAPHIC IMAGINING STUDENTS

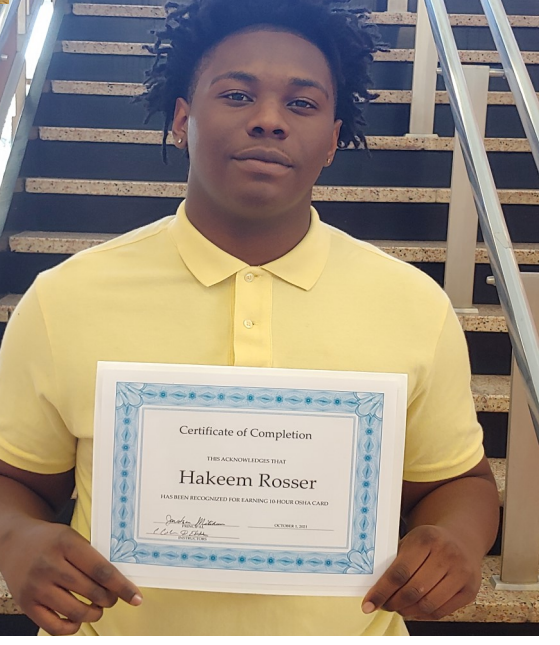
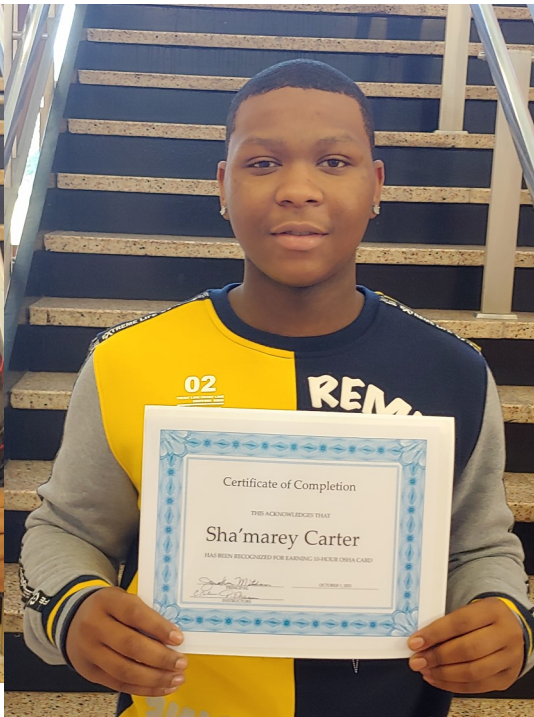


**Producing Posters, Banners and Honing Their Skills!
Mr. Jeffrey Taylor, Instructor**

RTC OSHA's 10-hour Program

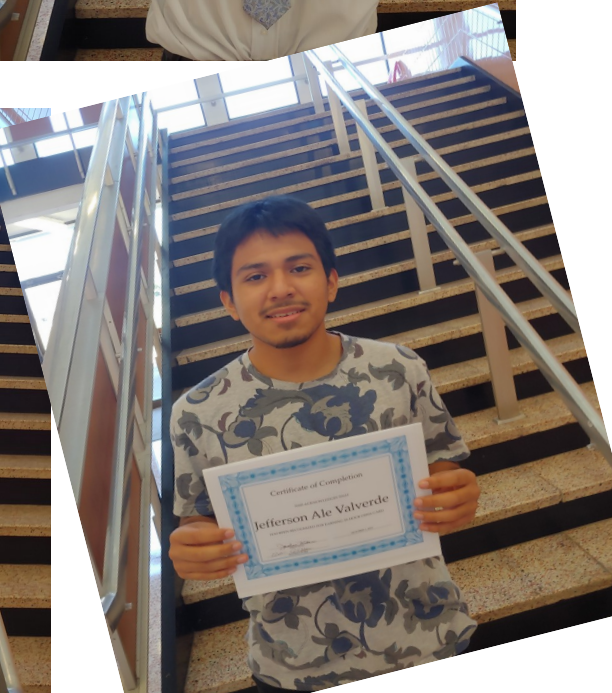
Mr. Carl Coles, Carpentry and Mr. George Esktrom, Welding are OSHA-500 certified instructors, and are able to issue the 10—hour OSHA cards to their students who successfully completed the “Basic Safety (Construction Site Safety Orientation)” module. The instructors worked closely with their students to successfully help each to earn this important OSHA card.

Kudos to Our Students!



Continue on next page

RTC OSHA's 10-hour Program





			
Liz Doerr 1st District	Mariah White 2nd District	Kenya Gibson 3rd District	
			
Jonathan Young Vice Chair 4th District	Stephanie Rizzi 5th District	Shonda Harris-Muhammed 6th District	 2021-2024
			
Cheryl Burke Chair 7th District	Dawn Page 8th District	Nicole Jones 9th District	

Superintendent Jason Kamras



Tracy Epp, Chief Academic Officer



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The Americans with Disabilities Act or ADA is a wide-ranging civil rights law that prohibits discrimination based on disability. It affords similar protections against discrimination to Americans with disabilities as the Civil Rights Act of 1964, which made discrimination based on race, religion, sex, national origin, and other characteristics illegal. The Americans with Disabilities Act prohibits discrimination against individuals on the basis of disability. In accordance with the law, it is the policy of the Richmond Public Schools (RPS) to provide equal treatment and access to programs, services, and activities to individuals with disabilities. RPS also does not discriminate on the basis of disability in its hiring or employment practices to qualified individuals. RPS is also dedicated to creating awareness of social obstacles and unconscious discrimination of those with disabilities.

Richmond Public Schools ADA Statement

Richmond Public Schools does not discriminate on the basis of disability in admission to its programs, services, or activities, in access to them, in treatment of individuals with disabilities, or in any aspect of their operations. RPS also does not discriminate on the basis of disability in its hiring or employment practices. This notice is provided as required by Title II of the Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973. Questions, complaints or requests for additional information regarding the ADA may be forwarded to the ADA Coordinator.