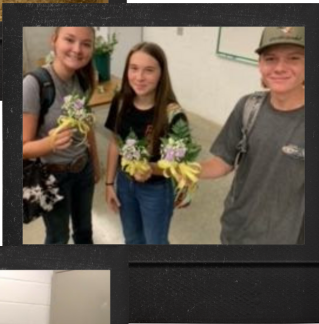


# CTE SHOWCASE

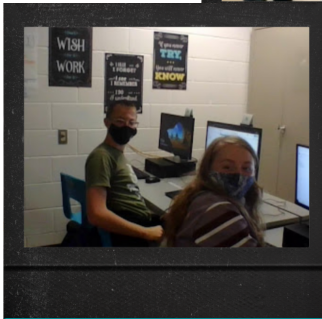
Highlighting RCSS Career and Technical Education Programs, Teachers & Students



Mr. Ritter's Animal Science I students learned how to trim hooves and tag goats as part of their class. In Horticulture I, students dabbled in Floriculture as they made corsages for the Teacher of the Year banquet. Each student was given the opportunity to practice using various materials. They also learned how to create bows for the arrangements.

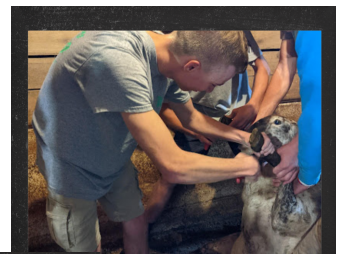


## EASTERN RANDOLPH & SOUTHEASTERN RANDOLPH

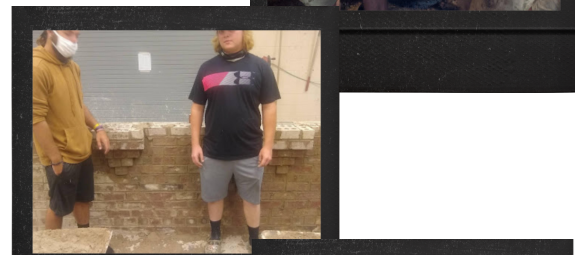


Mr. Tutterow's students, Jacob York and Haven Clinard, are peer reviewing each other's app design. Each Computer Science Discoveries student created a prototype of their app screen as they had to identify the input, output, processing and storage. Peer review is an integral component of the design process and promotes collaboration among students.

As the leaves fall, so does the wool from the PGHS flock. Ms. Kidd's Animal Science students are learning the standard care for preparing the sheep for the winter. By removing the wool, a new thick winter coat can grow during the fall months.

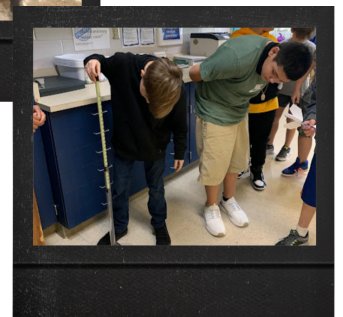


Abutments, braces and brackets, OH MY! Mr. Miller's Masonry III students learn new skills. Using their new found knowledge and temporary, lime-free mortar, they are able to complete their masonry lab as they practice building brick walls.



## PROVIDENCE GROVE & NORTHEASTERN RANDOLPH

Problems, we have no Problems, say Mrs. Hutcherson's Computer Science Discoveries students as they work on a problem-solving activity. Students create and test straw rockets as they work through the problem-solving process. Computer programming is easier when the students are able to problem solve.



# RANDLEMAN MIDDLE & HIGH

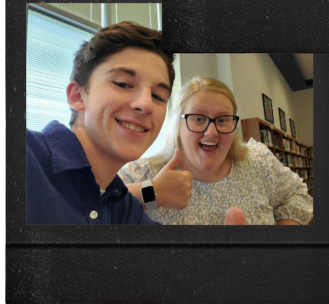


Mrs. McIntyre has started a "Girls Who Code" club to help bridge the gender gap in the technology career field. Mrs. McIntyre has also introduced her sixth grade students to the world of Minecraft as they explore computer coding.

Emma Green currently holds the office of Reporter for the Randleman FFA Chapter and serves as the Regional FFA Vice President for the North Carolina West Central Region. As a member of her local FFA chapter, she holds a leadership role as the coordinator of the Chapter Advocacy Committee. In this role she organizes chapter promotional activities for the group. Emma has participated in various Career Development Events to include Food Science & Technology as well as Hunter Safety. She had the distinct honor of serving on the North Carolina FFA Association State Officer Nominating Committee this past summer.



Rueben Walkton is in his second term of serving as Randleman's FFA Chapter Vice President. In addition to serving his local chapter, he is the Regional FFA Treasurer for the North Carolina West Central Region. As Vice President, Rueben provides leadership in overseeing community development activities. He has participated in various Career Development Events to include Milk Quality & Products, Agricultural Tools Identification, and Hunter Safety.

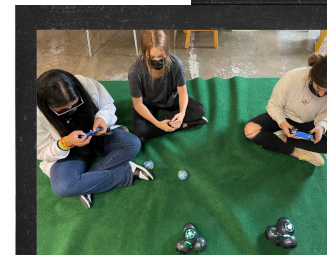


Students in Mrs. Mason's Early Childhood Education I class find a cozy place to sit and do their required reading, [The 7 Habits of Highly Effective Teens](#) by Sean Covey. The book focuses on the life-changing decisions teenagers face and is a step-by-step guide that helps teens focus on their journey toward self-discovery. Students in this class learn techniques and procedures for working with young children from birth to age 12. The BIG chair "The Seat of Knowledge" was made and donated by students in Mr. Perry's Carpentry III class a few years ago and is enjoyed by students and visitors alike.

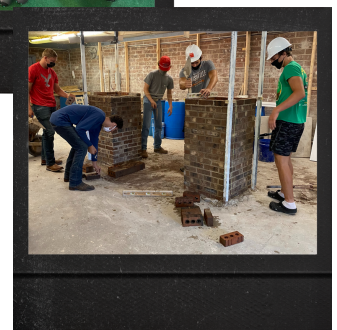


# SOUTHWESTERN RANDOLPH MIDDLE & HIGH

Mrs. Frye's Computer Science III students, Daisy Garcia and Madilyn Baker engage with their CUE Robots to code controlling movements. The CUE Robots help students transition from block-based code to state-machine and text-based programming. Brynnan Clark is coding to create reactive sensor behaviors.



Mr. Daniel's Masonry II students are using their skills and techniques learned in the classroom to help improve the look of their campus. Students practice building columns that will be the focal point of a new entrance to the softball field. They are checking to make sure the bricks are laid correctly using a line and a corner pole. They are also working on pouring masonry tops to finish off the columns.



# TRINITY MIDDLE & HIGH

In the summer of 2020, Mrs. Driggers was asked to revamp the BP01 Computer Science course for the state of North Carolina. Introduction to Computer Science is designed to introduce students to coding and computer science by way of making and designing. Using the revolutionary new micro:bit microcontroller and Microsoft's easy and powerful MakeCode block-based coding environment. She presented this course to all NC Computer Science teachers across the state.

Mr. Fowler has embraced the idea of creating a Makerspace atmosphere where students are responsible for collaboration and problem-solving. He has incorporated Makerspaces in both his Agriscience Applications and Agricultural Mechanics courses. The first project they completed this semester was a planning and implementation process for rebuilding a bridge on the school's nature trail.

Mrs. Spainhour's 7th grade Computer Science Discoveries class has been learning about the problem-solving process and the input/output/storage/processing model of a computer. To wrap up the unit, the students were to propose an app that would solve a real-world problem. The task was to find ways to use technology to help solve these problems. This project allowed students to use their creativity in a fun way that linked the field of computer science to their own interests and ambitions.



Mr. Walker's Introduction to Coding in Minecraft students are learning how to be responsible digital citizens when interacting with others in the world of Minecraft. Students worked in groups to create their set of norms on how they should interact with each other in their virtual worlds. They built structures and buildings and displayed their norms on signs and boards within each of their worlds.

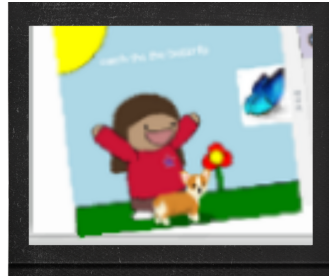
Mrs. Moore's relationship with the Randolph County Cooperative Extension and Randolph County 4-H continues to provide her students with amazing opportunities in which they are able to take what they learn in the classroom and put it into action. Students in her Animal Science I class have not only started breeding Silver Fox rabbits but they have also put together a Poultry Show Team.

Uwharrie Ridge 6-12's Agriculture Program continues to thrive. Over the summer, several projects began to take shape, two of which consisted of an outdoor classroom and fully functioning greenhouse. Students now have their own outdoor areas which will provide additional space for hands-on projects as well as the opportunity to "grow."



## UWHARRIE RIDGE 6-12

# WHEATMORE MIDDLE & HIGH



Ms. Witkowski's 7th grade Computer Science Discoveries I students have created their first moving sprite code. Sprite codes are used in block-based programming environments in which simple animations and games with objects and characters are able to interact with each other. Students are learning how to incorporate "IF" statements which will enable them to use their arrow keys, space bar and mouse to move their sprites.



Mrs. Brown's Early Childhood Education students created sample classrooms around a theme of their choosing. This project required them to decide what two activities they would place in each of their six centers related to their theme and assigned age group. Students were expected to be able incorporate various instructional methods into their activities as well as speak on Gardner's Theory of Multiple Intelligences.



Mrs. Brown's Child Development students created posters about their assigned child care option. They were responsible for selecting a business name for their child care center as well as a business and products and services description. Members of each group also created a commercial where they had to perform to promote their business.