

New Maker Space gives future educators the tools to get creative

Virtual reality sets. 3D printers. Drones, robotics and an engraving machine. This isn't your typical technology classroom. It's for future educators.

Georgia College's John H. Lounsbury College of Education recently opened a new Maker Space. It brings multiple new technologies into the hands of teacher candidates to help them educate their students.

"A Maker Space is a place where people can come together and create things and learn different technologies," said Dr. Joseph Peters, dean of the College of Education.

"The idea for the Maker Space really came from me visiting some of the schools in Georgia that had a similar space set up," he said.

Knowing schools across the state were already bringing technology into the hands of students in such a way, Peters proposed creating a Maker Space in Kilpatrick Hall. The space allows students to create, innovate and find new ways to engage students in their lessons.

"We had some things to help our teacher candidates like bulletin board papers, tools to cut and a laminating machine," said Diedra Monroe, administrative assistant in the Department of Professional Learning and Innovation. "But Dr. Peters wanted to go to the next level."

At the same time, faculty members Dr. Joanne Previts and Dr. Nancy Mizelle were writing a GREAT (Georgia Residency for Educating Amazing Teachers) Grant proposal. In the end, Georgia College and the Southern Regional Education Board were awarded the funds by the Department of Education.

"We're very fortunate to get a Department of Education Teacher Partnership Grant," said Peters. "There was a \$5.2 million grant that we were awarded to prepare

middle grades teachers, and because of that we were able to buy everything in the space."

From there, Monroe worked to purchase the equipment, get it set up and train graduate assistants on how to use the technology.

"The Glowforge will engrave things. For example, we have been engraving on wood, and we made a sign for the Maker Space with this," said Micaela Davis, middle grades master of education student.

Davis is one of three graduate students who helped Monroe with the set up the space. Together, they worked to learn how to use the tools.

The key is tying what's created back to the Georgia Standards for Excellence—the framework used to prepare elementary, middle and high school students for success. Graduate students worked to link each piece of equipment to state standards and developed lesson plans student teachers can use.

"We can use the Glowforge to create different lessons and visuals that go along with it," said Davis. "For example, you could print out an engraving of different planets. That's a project we're going to hopefully work on soon, and it's one of the sixth-grade science standards."

Another tool available in the Maker Space is the Cricut machine, which cuts anything from paper to vinyl or fabric.

"The thing about the Cricut is that it really can play into any standard. Any kind of presentation we're doing from posters to anything that we're trying to make a visual of—the Cricut can be a part of that," said Savannah Rawdin, early childhood education master of education student.

For some, it's about being able to physically hold things. That can help younger students better understand concepts like counting, addition and subtraction. "I have used the Cricut for creating manipu-



Graduate student Micaela Davis works with the Glowforge.



Bryce Bowen creates learning tools with the 3D printer.

latives, so sometimes we just need counters really quickly for our kindergarten students or other things when we talk about cardinality," said Rawdin.

Even as students grow and the concepts they learn get more intensive, the act of holding and touching can help with comprehension.

"With these 3D printers, we can make different tools to use in the classroom," said Bryce Bowen, master of health human performance student. "I've made things like a heart that can be used to teach anatomy. You could give students a handheld version of something that they normally would not be able to put their hands on, and it can help them understand it better."

Hands-on learning for future teachers is important, as well. Peters said he hopes students take their experience in the new Maker Space to the schools where they teach.

"Our Maker Space is a little more on the high-end side, because our students are graduating to a 30 to 40-year career," said Peters. "Schools will start to use more technology in the future, and we want our students to be ahead of the curve on what's going to be next."

Functions of Music in Times of Plague: Lecture and Concert

Dr. Remi Chiu, a guest lecturer from Loyola University, Maryland, will present "Functions of Music in Times of Plague: A Lecture and Concert" Tuesday, Oct. 19 at 7:30 p.m. in Max Noah Recital Hall.

Georgia College faculty members Dana Gorzelany-Mostak, Jennifer Flory and Jennifer Piazza-Pick will join Georgia College alumni Will Humphrey, Cannon McClain and Jeremy Williams to perform a concert as part of this talk.

Renaissance music by William Haute, Jean Mouton and Paolo Caracciolo will be featured.

Chiu, associate professor of music at Loyola University will explore the role of music in societies hit by plagues and frequent epidemic outbreaks. From improving health and facilitating rituals to strengthening the economy—past music provided aesthetic pleasure in times of crisis. It continues to shed light on how we rely on music today, as we navigate the dangers and difficulties of COVID-19.

Chiu is a musicologist specializing in Renaissance music and the history of medicine. He's also author of "Plague and Music in the Renaissance."

A \$10 donation is encouraged. All proceeds benefit music scholarships or the GC Department of Music through GCSU Foundation, Inc. For more information, please email music@gcsu.edu or call 478-445-8289.

FUNCTIONS OF MUSIC IN TIMES OF PLAGUE: A LECTURE AND CONCERT

DR. REMI CHIU
Associate Professor of Music, Loyola University, Maryland, Lecturer

with
Dana Gorzelany-Mostak, soprano
Jennifer Piazza-Pick, soprano
Jennifer Flory, mezzo-soprano
Will Humphrey, tenor
Cannon McClain, tenor
Jeremy Williams, bass

Tuesday, Oct. 19, 2021
Max Noah Recital Hall • 7:30 p.m.

West African art adorns new Integrated Science Complex

The walls of Georgia College's new Integrated Science Complex have original Congo paintings available for study thanks to Jim and Karen Fleece of Greensboro, Georgia.

"The artwork seems simple, but it's full of symbolism," Jim said. "Now this meaningful artwork will be studied year-after-year."

As the couple downsized, they thought about donating their art to Georgia College.

"We didn't want to split up the collection, because it's so unique," Jim said. "It's unlike any other collection in the country. And a museum connection with a university just seemed like a natural place for it—where it can be studied forever."

The couple met in 1956 at DePauw University—a liberal arts college in Indiana, where they graduated in 1960.

When Jim retired in 1999, they moved to Reynolds Plantation in Greensboro, Georgia. It was the Georgia College Jazz Band that piqued their interest in Georgia College.

The band performed at Reynolds Plantation and inspired the couple to learn more about the school. They met Georgia College's former President Rosemary DePaolo and were impressed.

"We spent a lot of time at Georgia College and always had good experiences," Karen said. Jim served on the Foundation Board for eight years, where he was chairman of the Investment Committee.

Jim and Karen started their collection when Jim worked in the Congo from 1989 until 1999. He was a geologist with Exxon where he was trying to find new oil and gas fields in West Africa. Jim traveled back and forth from West Africa for 10 years.

In his free time, Jim searched for art from the surrounding villages.

"This place in Brazzaville, Congo, was unlike any other country that I visited," Jim said. "It was an art colony, similar to what was going on in the United States in the late 1800s and early 1900s, when Impressionism was being brought over from Europe. And there were small groups of artists who lived and painted together."

The art represents a 10-year period of time in what was known as the Congo. The West African side of the African continent was undergoing major change during the Cold War.

The Fleecees hope their paintings will be used as teaching tools.



One piece of artwork from the collection.

"FAMILY FUN NIGHT"
FREE HANDS-ON SCIENCE COMMUNITY EVENT

Join the Georgia College Science Education Center and the award-winning Chemistry Club chapter of the American Chemical Society for a free community event for National Chemistry Week! Learn about this year's theme, *Fast or Slow... Chemistry Makes It Go*, with an exciting Chemistry Magic Show, hands-on activities, games, and much more.

When: THURSDAY, OCTOBER 21, 2021 from 5:00-8:00 pm

- Hands-on activities from 5:00-8:00 pm
- Chemistry Magic Show at 6:30 pm** — ONLY one show
- Games and races from 5:00-8:00 pm
- Make a Tie-Dye t-shirt from 5:00-8:00 pm — this is the only part of the event that costs \$5 per shirt but all proceeds go to Relay for Life!

Where: Georgia College, **FRONT CAMPUS** (Outdoor event)

Questions about the event, please contact Dr. Catrena Lisse at science@gcsu.edu or visit our Facebook page [@gcsciencesedu](https://www.facebook.com/gcsciencesedu).

We hope to see you there!

#NCW

Did you know?

Georgia College's Chemistry Club, in conjunction with National Chemistry Week, is hosting a free Family Fun Night Thursday, Oct. 21 from 5 to 8 p.m. on Front Campus.

This year's theme is "Fast or Slow--Chemistry Makes It Go." There'll be hands-on activities, races and games for the community to enjoy, including the ever-popular Chemistry Magic Show at 6:30 p.m.

For \$5, you can make a Tie-Dye t-shirt to take home.

For more information, please contact Dr. Catrena Lisse at science@gcsu.edu.

What's going on in Bobcat Territory?

Visit frontpage.gcsu.edu/calendar

Tuesday	Wednesday	Thursday	Friday	Saturday
<p>19</p> <p>7:30 p.m.- Functions of Music in Times of Plague: A Lecture and Concert in Max Noah Recital Hall.</p>	<p>20</p> <p>6 p.m.- Please join us for a Front Porch Lecture series at Andalusia: The Home of Flannery O'Connor at 6 p.m. on the writer's rocking chair front porch. A lecture by Melissa Swindel, executive director of the Georgia Writers' Museum, will follow the theme: "A Sense of Place: Southern Writers and the Sites in which They Lived." For more information, please contact Matt Davis at matt.davis@gcsu.edu.</p> <p>5-7 p.m.- International Fest on Front Campus. Meet students from around the world and learn about their cultures.</p> <p>6 p.m.- GC Soccer vs. Clayton State.</p>	<p>21</p> <p>5-8 p.m.- Georgia College's Chemistry Club, in conjunction with National Chemistry Week, is hosting a free Family Fun Night on Front Campus.</p> <p>6 p.m.- Join us for an online lecture by Dr. Bob Wilson, Georgia College's university historian and professor emeritus of history. Wilson will give a lecture on the history of Georgia College, which has a tradition dating back to 1889 when it was known as the Normal and Industrial institution for females. For more information, please contact Matt Davis at matt.davis@gcsu.edu.</p>	<p>22</p> <p>Noon- GC Volleyball vs. Mars Hill and Lenoir-Rhyne.</p> <p>7 and 8:30 p.m.- Georgia's Old Governor's Mansion is offering its popular "Death: After Dark" tour. This specialty tour focuses on ways death was treated in the 19th century. The subject is for mature audiences and may not be suitable for young children. Tours sizes will be limited. Advanced ticket reservations are required. Cost is \$12 for adults, \$8 for seniors and \$4 for students. Please call 478-445-4545 or email haley.stodart@gcsu.edu to make reservations.</p>	<p>23</p> <p>11 a.m.- GC Volleyball vs. Lincoln Memorial and Carson-Newman.</p>