

AAST NEWSLETTER

AAST.HORRYCOUNTYSCHOOLS.NET

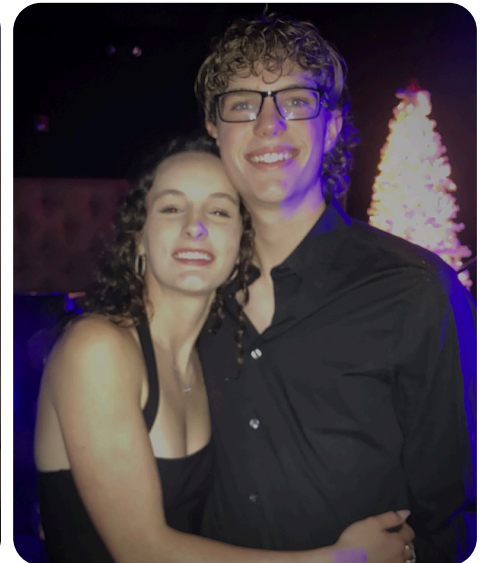
AAST Winter Wonderland Dance



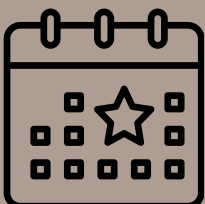
Dec. 16 - Dec. 20, 2024



AAST had a great time last Friday night at the Winter Wonderland dance!



Upcoming Events



WINTER DANCE
DECEMBER 13

HOLIDAY BREAK
DECEMBER 23-
JANUARY 3

SENIOR TRIP
PARENT MEETING
JANUARY 8
5:30PM



AAST
a stem school ~ realize the possibilities



OPEN HOUSE

THURSDAY, JANUARY 23, 2025 | 6:00PM TO 7:00PM
TUESDAY, FEBRUARY 11, 2025 | 6:00PM TO 7:00PM

Applications will open on January 22, 2025. You may apply on the Horry County Schools or AAST website. Application deadline is February 14, 2025.

Forensic Science Arson Investigation



Students in Forensic Science tested their structures in their Arson Investigation. Students were challenged to construct a model house that would best withstand an arson attempt. After the burning structures were extinguished, students examined the remains for evidence of the source of ignition and validated the scenario for which they build their houses.

Parent Involvement Committee Cookies



Thank you to our amazing Parent Involvement Committee for providing cookies to every student during lunch on Tuesday!

AAST Toy Drive



Well done to the Beta Club, Academy for Christ, and Rho Kappa for holding a very successful Christmas Toy Drive! All donations will go to benefit Fostering Hope this holiday season.



AAST Student of the Month: Michaela Lynch

Michaela is an exceptionally diligent student who goes above and beyond in her pursuit of knowledge, always seeking to understand concepts more deeply than what is expected. Her passion for learning is evident, as she strives to gain true understanding rather than simply focus on grades. She approaches every task with a positive attitude, never complaining, and often takes on extra work with a smile. Her dedication does not go unnoticed—other students in her classes look up to her and follow her example. As a leader on the robotics team, she is also an outstanding ambassador for both her major and AAST. Congratulations, Michaela!



Winter Spirit Week



Thank you to AAST alumni Matthew and Michael Daniel, It's A Twin Thing Entertainment, for bringing the fun to the AAST cafeteria on Wednesday! Students have worked hard this semester, and we wanted to reward them before sending them off for a wonderful holiday break! They had a great time celebrating during our AAST Winter Spirit week!

Majors Spotlight

Aerospace Engineering

In the **Aerospace Engineering** major, students will explore the designing, building, testing and analyzing the science behind the forces and physical properties of planes, rockets and unmanned vehicles. They will utilize tools such as Excel, SolidWorks and sensing systems to collect and analyze data. In addition, students will work collaboratively, manage projects, be creative and innovative, and think critically to solve problems as well as to propose solutions to design problems.

As juniors, students will be introduced to the engineering design process, tools to collect and analyze data, the science of aviation, materials and structures, and safety. In the second semester, students will begin applying the design process, exploring a deeper level of the science of aviation, and discovering how quality control systems work in the aviation field.

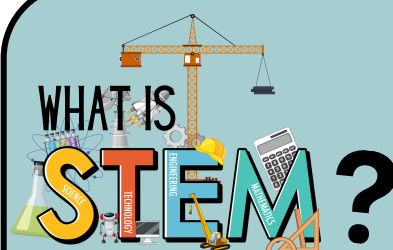
As seniors, students will learn about systems such as flight control, remote-control vehicles and the virtual world. Their studies will focus on outer space and underwater applications. During the six projects of the second semester course, they will work collaboratively to design, build and test a laser communication system; develop a plan for outer space survivability in hostile environments; and utilize software to create a three-dimensional model of a satellite orbit and a team remote vehicle for underwater exploration.



Career Pathways

Median Salary

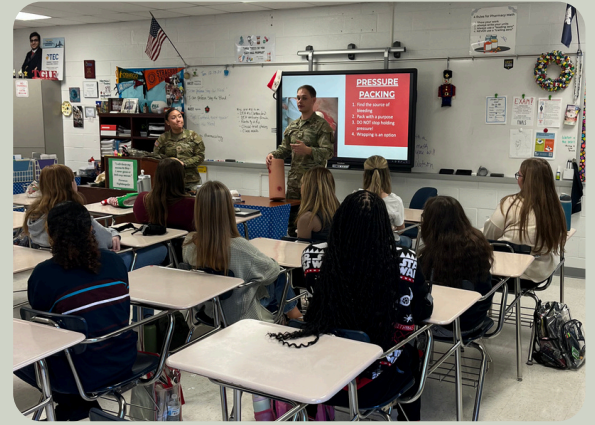
Aerospace Engineer	\$130,720
Engineering Manager	\$159,000
Air Traffic Controller	\$137,380
Commercial Pilot	\$113,080,
Aircraft Maintenance Technician	\$75,400
CAD Designer	\$64,891
Robotics Engineer	\$105,605



STEM is a philosophy of education embracing teaching skills and subjects in a way that resembles real life. STEM is about discovering and creating ingenious ways of problem solving, integrating principles, or presenting information.

Guest Speaker: Sgt. Canfield and PFC Savannah Dakamas, AAST Alumni

AAST alum PFC Savannah Dakamas, class of 2024 and Sgt. Ben Canfield, from the National Guard visited Mrs. Watson's Pre-Med classes and conducted training on Stop the Bleed, basic first aid, and natural disaster preparedness. Savannah is a medic/EMT in the Guard, who earned her CPhT, EKG Tech and other certifications at AAST. She works in a local pharmacy and is attending USC in the spring. Both shared their experiences and career direction. Sgt. Canfield explained benefits in service relative to tuition assistance and career growth.



Health Science Glove Safety

Mrs. Fletcher's Health Science 1 classes learned all about handwashing and donning and doffing gloves this week! They practiced putting on and taking gloves off with chocolate syrup and ketchup to make sure they didn't get anything on their skin!



Clinical Studies Mock Disaster Drill



Clinical studies students are participating in their clinical internship at Conway Medical Center. This week they were able to participate in a mock disaster drill with the emergency department and emergency management staff.



Guest Speaker: Captain Evans, Myrtle Beach Fire Department



The week in EMS I & EMS II Captain Evans with the MBFD came and spoke with the students about a unique opportunity for high school students to participate in EMS and Fire department ride longs.

Aerospace Student Chosen as STEM Competition Finalist



Anna Maroz was announced as a Finalist for The 2025 National STEM Competition. This is a project based competition where students in middle and high school present projects they made with the purpose to create change in their community and/or society at large. From Anna: *"My project focused on constructing an airfoil—the structure of a curved surface like an airplane wing or helicopter blade— that could produce more lift and less drag than the industry standard."*

After submitting, three students from each state were chosen to become finalists with the prize of a year's subscription to EXPLR Home video service. Out of the finalists, up to 130 champions are chosen with the prize of a 5 night trip to Washington DC to present their findings at the National STEM Competition Conference.

**New HCS
Electronic
Device
Policy**

**Please review
the AAST
Student
Handbook
linked below:
AAST Student
Handbook**

**SAFETY
FIRST**

Click the links below to learn more about AAST's plans to keep our kids safe!
[Standard Response Protocol for Parents \(English\)](#)
[Standard Response Protocol for Parents \(Spanish\)](#)
[School Safety Poster](#)

Parents of Seniors - Scholarships

Please make sure your students are checking the scholarship information posted in the Senior Schoology page and on the website. They should also check their base school for scholarships.

**GUIDANCE
INFO**

**Attention:
Junior IGP meetings will
start after winter break.**

Final Exam Schedule

January 16, 2025

1st Block - 8:15 to 9:00 AM
2nd Block Exam - 9:05 - 11:00 AM
Advisory - No change
3rd Block Exam - 11:55 to 1:50 PM
4th Block - 1:55 to 2:40 PM

January 17, 2025

1st Block Exam - 8:15 to 10:10 AM
4th Block Exam - 10:15 to 12:10 AM

Grab & Go Lunch on the way to 4th block (stations in the 400 hallway, rotunda, and 500/600 hallway)

*All bus riders will be dismissed at 12:10 AM. We will make an announcement to dismiss car drivers and car riders. The times will be dependent upon the departure of our buses.