

AAST NEWSLETTER

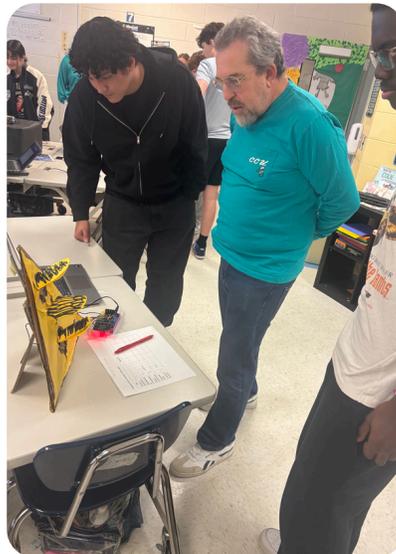
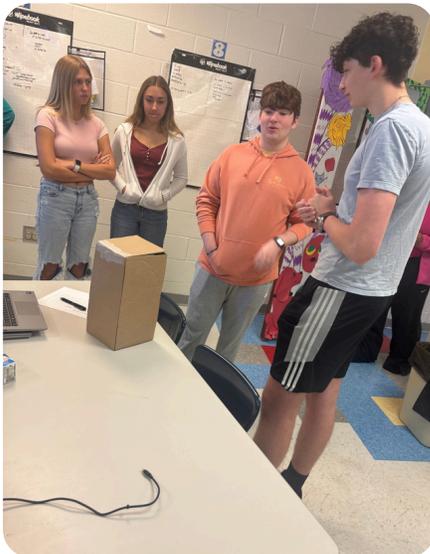
AAST.HORRYCOUNTYSCHOOLS.NET

Computer Science @ AAST



November 3 - November 7, 2025

Computer Science Seniors visited Coastal Carolina University today and experienced a live demo of a machine learning facial recognition UI. Students all submitted photos to be “trained” in the dataset and were able to see the “confidence levels” of the algorithm on-screen.



Computer Science Juniors hosted students & teachers in our for a gallery walk to learn about their Interactive Traffic Lights. They utilized Hummingbird Robotics and Python Programming.

Upcoming Events



VETERANS DAY ASSEMBLY
NOVEMBER 11

NATIONAL HONOR SOCIETY
INDUCTION
NOVEMBER 18 @ 6:00 PM

POETRY OUT LOUD
COMPETITION
NOVEMBER 19

SCHOOL IMPROVEMENT
COUNCIL
NOVEMBER 20, 5PM

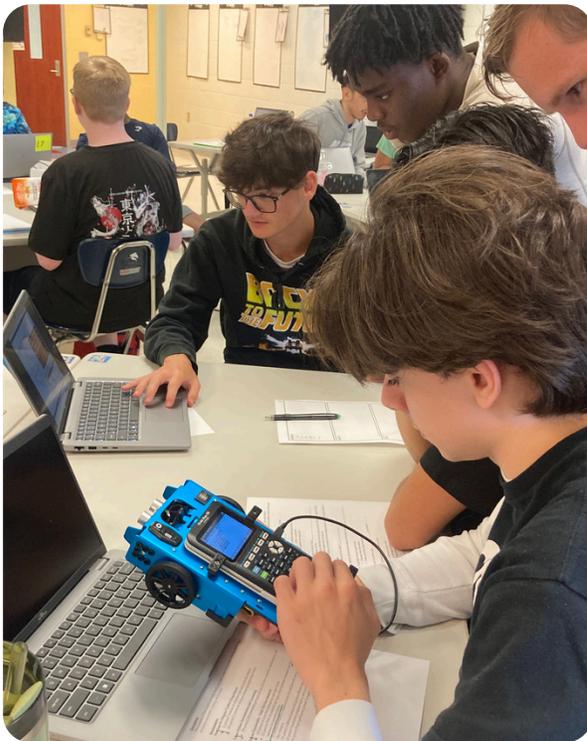
THANKSGIVING BREAK
NOVEMBER 24-28

Be advised: There will be a controlled burn on International Drive from November 10-14.

Major Spotlight

Computer Programming and Software Development

Computer Programming and Software Development is designed to focus on the understanding and design of computers and computational processes. Students enrolled in this major will think both concretely and abstractly to solve problems that require creativity, careful reasoning, and precision. This major spans theory and practice. Students will analyze complex problems, develop efficient algorithms, and gain skills in various programming languages and software tools. They will work on hands-on projects to design and implement software systems addressing real-world issues. The program emphasizes collaboration, ethics in technology, and computing's societal impact. Graduates will be prepared for careers in software engineering, data analysis, cybersecurity, artificial intelligence, or further studies in advanced computer science.



Available Certifications

- YouScience Computer Programming 2
- Information Technology Specialist- Python
- OSHA-10 General Industry
- Information Technology Specialist - Java

Student Organizations

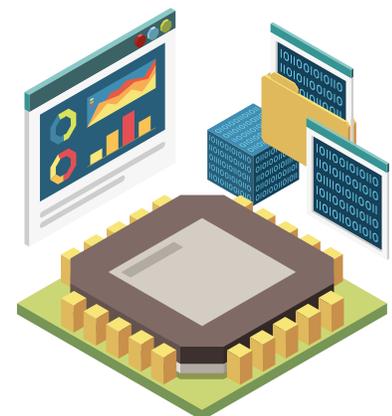
- Computer Science Honor Society
- National Technical Honor Society
- Technology Student Association

Available Electives

- Game Design and Development
- Foundations of Animation
- Advanced Animation
- GIS Technology 1
- GIS Technology 2
- Informatics Course 1 Honors
- Informatics Course 2 Honors
- Networking Fundamentals
- Advanced Networking
- PLTW Cybersecurity

Computer Programming Career Pathways

	Median Salary
Software Developer	\$110,000
Business Analyst	\$85,000
Database Administrator	\$105,000
Software Engineer	\$90,000
IT Project Manager	\$100,000



National English Honor Society

The National English Honor Society has been actively promoting literacy through recent outreach events in support of the Superintendent's Rise with Reading Literacy Challenge, designed to motivate and celebrate reading across Horry County Schools. Members volunteered with the Free Little Book Fair, a local initiative that collects and restores gently used books to share with children throughout the community. Students helped clean and prepare books—removing stickers, wiping covers, and making them look new again.



NEHS students also volunteered at the Saint James Intermediate School Fall Into Reading Literacy Night, where they assisted with arts and crafts, face painting, and read-aloud activities with young readers. The AAST Robotics team, AAST's very own SRO Officer Dukes, and other community members all came out to support literacy! These events reflect NEHS's ongoing commitment to fostering a love of reading and supporting literacy initiatives within both our schools and the greater community. #risewithreading

Launching Rockets in Aerospace



Our junior aerospace students had an exciting hands-on learning experience designing and building their own model rockets! Before launch day, they used OpenRocket software to create and test their theoretical designs. Each team also 3D-designed and printed custom nose cones, putting their engineering and creativity skills to the test. During the launches, students used clinometers to measure the angle of elevation and applied trigonometry to calculate each rocket's apogee. It was a thrilling and educational day filled with discovery, teamwork, and some successful launches!

AAST Represented at FIRST Global Competition

AAST's own Mindi Penn was once again invited to serve as a Game Announcer at the FIRST Global Robotics Competition, held this year in Panama City, Panama. This marks her second consecutive year representing our school and community on the world stage—last year, she announced at the 2024 event in Athens, Greece.

Working alongside mentors, coaches, and students from over 190 countries, Mrs. Penn has gained invaluable insights and connections that have directly influenced the recent success of FRC Team 1287 - Aluminum Assault, AAST's award-winning robotics team. Her continued involvement at the international level reflects both her passion for robotics and her commitment to inspiring the next generation of innovators right here at home.



Forensic Science Impression Evidence



Forensic Science students are investigating impression evidence this week. They have looked at bitemark impressions, tire tracks, shoeprints, and ballistics. Students pictured here are practicing pouring casts of tire tracks and shoeprints. Next week, they will look at toolmarks to wrap up this unit. The hands-on approach in these exercises not only enhances their understanding of forensic techniques but also cultivates critical thinking and analytical skills. By engaging with real-world scenarios, the students are developing the keen observational abilities necessary for future careers in forensic science. Their enthusiasm and dedication to learning are evident as they meticulously prepare and analyze each cast, gaining practical experience that will serve them well in their academic and professional journeys.

Plant Propagation with Maeve Snyder



Environmental Engineering seniors participated in a Plant Propagation Workshop led by Maeve Snyder from Snailseed Native Plants. During the session, students learned various propagation techniques, including how to create new plants from existing ones and how to prepare seeds that require scarification or cold stratification. The workshop provided valuable hands-on experience, and the group looks forward to adding many new native plants to their pollinator garden.

BETA Club Food Drive

From October 27 to November 14, Beta Club is collecting non-perishable pantry and shelf-stable items to help local families in need. Donations can include breakfast foods, lunch and dinner items, and even desserts! Let's come together to make a difference this season—every item helps! Our total so far is 676 items. Let's keep it growing! Any items that with dates expiring or best by for the month of November or before will not be accepted.



AAST FIELD OF FLAGS

Fly a flag, honor a veteran

WHAT: Minimum of \$5 donation per flag

HOW: Donations may be made through MyPaymentsPlus or in-person at school through November 10

WHEN: Flags will be on display at AAST from November 7-21

The National Beta Club of AAST will be accepting donations for the **Disabled American Veterans**. For each donation received, an American flag will be planted in the school field to honor a veteran.

The AAST chapter of the National Beta Club will be honoring veterans by planting a Field of Flags in their honor for \$5 per flag. For each donation an American flag will be planted in the school field from November 7-21. Donations may be made through MyPaymentsPlus or in person at school through November 10.

