

Announcements for Mon. Feb. 14th, 2022

Happy Valentine's Day from the Library! - Come to the Library and select a "Take and Make" kit to create a card for someone special today. We are offering a maker session outside the library at lunch today.

Girls rugby starts TODAY! Any girls who are interested in joining Carson's girls rugby team should come to the field today afterschool for our first practice. See Nicola or Ms Thornhill if you have questions.

Hey Grads, the "most likely to..." survey is now available in teams. Pick the fellow classmate you know who fits the questions. Remember you can only pick one classmate per question. Their names would be posted in the yearbook. The survey will only be open now until Feb. 14th. Have Fun!

This is a message from the student council. Today's club highlight of the day is the Interact Club. The Carson Graham Interact Club provides opportunities for students to get involved with their community and provide service to those in need while making a great personal foundation for their own leadership, organization, and collaboration skills. This club will also be a great opportunity for you to score service hours in the meetings and during the initiatives. If you are interested in signing up, contact Mr. Bjornson on Microsoft Teams

Only do what you want to do! Enough working for others and start creating the future you dream of. The power to do so lays in your own hands. You just don't know HOW yet! THIS THURSDAY FEBRUARY 17th, Alexander Harmsen, expert of bringing AI-based socio-economic models to mainstream investors will share his own journey and speak to CARSON GRAHAM students about how a highschool student can become an AI expert! Join in on the conversation with the learner's link futuristic technology club's QR codes around the school! See you there.

Black History Month Announcement by Valerie Jacober
February 14, 2022

Otis F. Boykin-Heart Pace Maker Improvements

This is a true story about the heart-related invention, the pacemaker. Rune

Elmqvist developed the first implantable heart pacemaker in 1958, in Sweden. However, an African American made the much improved innovations to the pacemaker that continue to this day.

Otis Boykin was born in Dallas, Texas in 1920. His mother died of heart failure when he was only one year old. Otis was the valedictorian of his high school graduating class and he went on to study at the African American heritage school, Fisk University, in Tennessee. His first job after graduation was as an aviation lab assistant, testing automatic controls for airplanes. This is where he became interested in resistors.

In 1952 Otis started a business with Hal Fruth, and manufactured their first resistor. In 1959, they had the second of 27 patents for electrical devices, which stated that it was, "...a high precision wire-type electrical resistor that could be readily adapted to different space requirements and configurations...designed to combine minimum inductive prosperities with maximum capacitive effects." By 1961, their improved resistor could "withstand shifts of temperature and air pressure" without the wires getting damaged. This improvement made resistors more affordable, reliable and efficient. They were soon found all over the world in TVs, IBM computers, radios and military guided missiles.

In 1964, with his resistors, Otis made a much improved control for the heart pacemaker, which allowed for more precise regulation. *Gabriel Mouchawar, of Abbot Medical Scientific and Medtronic, says, "...a technology starts somewhere, and Otis Boykin's work set the technology on a path that led us to where we are today."* Otis Boykin went on to become a consultant in various capacities in the USA and France. Ironically, he died of heart failure, in 1982 and his last patent was granted three years *later*. He was inducted into the National Inventors Hall of Fame in 2014. **Black History. Learn about it.**

