

THE BYTE

Hoover High School Academy of Information Technology



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COVID UPDATE and AOIT

by Ellen Towers

AOIT Advisory Board as you are all aware we shut down our campus at Hoover High School on March 13, 2020. During the Spring Semester of 2020 all the students completed their school year on line with a Virtual graduation as well as Virtual AOIT Academy Awards in June 2020.

Over the summer the AOIT Teachers attended the Project Based Learning Institute and we developed projects for our 9th, 10th, and 11th grade students. These projects were based in the virtual world, however, the struggle is real on the distance learning as you may expect. We are currently scheduled to go back to in-class learning on Monday, January 25, 2021.

Due to our inability to meet in person, the AOIT thought the best communication would be through a newsletter, so welcome to the "The Byte".



Booz Allen Virtual Cyber Security Challenge

by Jack Wetzell

AOIT 10th grade students will be attending the annual Cyber Security Challenge event with Booz Allen professionals virtually on November 20, 2020. The students will be focusing on Ransomware attacks on hospitals. The case study will be on Ryuk ransomware, developed by the Russian criminal organization Wizard Spider. This ransomware has been active since August 2018, and has recently become more active with at least 6 hospitals being infected in October 2020 alone. Ryuk targets large organizations for a high-ransom return.

Since August, these attacks have hit at least 52 organizations netting over 3,000,000 USD.

- How do these kinds of attacks work?
- What can someone do once they have been infected by the ransomware?
- How can organizations mitigate the damage these attacks?

Students will work with professionals to analyze these attacks and produce action plans to improve protection against them.

Senior Spotlight: Lucas Butler

by Natalia Tyler



Lucas Butler exemplifies all the qualities that we value in an AOIT student. He is respectful to his teachers and peers and always tries to problem solve, grow and improve. He has faced challenges, but has utilized resilience and empowerment to conquer Distance Learning and all of its obstacles! He is dedicated to The NEST and had immense Cardinal PRIDE. Keep it up Lucas!

IT Girls Club

by Ellen Towers

The IT Girls Club is meeting on Fridays at 2:00 pm! We started the IT Girls virtually with our AOIT Advisory Board President, Jane Leonard kicking off our first meeting. Jane discussed her career at Booz Allen as well as previous positions and her role as the AOIT Advisory Board President. We also met with our AOIT IT Girl alumni from SDSU, USD, UCSD and UC Berkeley to discuss their colleges experiences. Recently we received a grant from Donors Choose for a book club pick. The first book title is "My Year with Eleanor". The book discusses Eleanor Roosevelt quote of "Do something everyday that scares you." The IT Girls will work on doing courageous acts throughout this year to follow this advice! Thank you to Becky Deller who is founder of the IT Girls for her support our AOIT students! If you would like to join us on Fridays at 2:00 pm here is the zoom link:

<https://sandiegounified.zoom.us/j/81979517091>

