Career, Technical and Adult Education Newsletter

CTAE Connect

Arlington Public Schools

April 2020

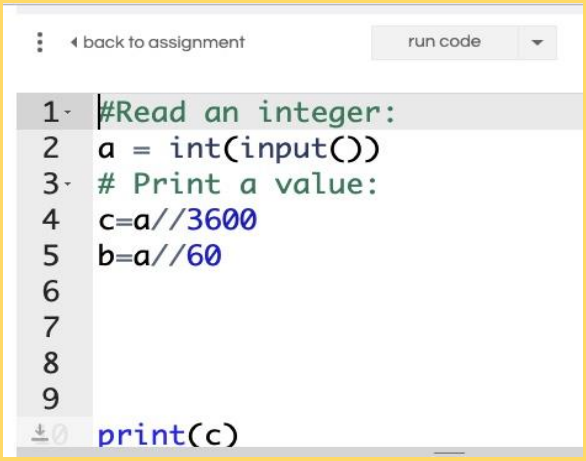
In this special edition of the CTE newsletter, we are highlighting how some teachers are staying connected to students and providing lessons/activities remotely.

Middle School Technology Education and Robotics Teachers have been conferencing in CANVAS and sharing resources in a CANVAS course they created. Teachers will use the shared resources to select activities and lessons they feel will be best for their students. Extension lessons may include Tinkercad Arduino program simulation, cardboard engineering, Newsela current events reports featuring emerging technology and inventions students can do around the house.

At Jefferson, Chris Ammon, who teaches Robotics and Computer Science, wrote a code for generating a personalized work out based on a name-based exercise routine created for staff by Health and PE Teacher Shyrone Stith. The program loops through every letter of a user's name. Based on that letter, the code looks through a list of exercises assigned to each letter of the alphabet. The resulting code spells out the user's name. Mr. Ammon plans to challenge his computer science students to replicate the code using the skills they have already learned this year in Python. Here is the tool: https://NameWorkout.christopherammo.repl.run

For more CTE news, follow us on Twitter @APS_CTAE or visit our website: www.apsva.us/ctae.

Kirsten Poland at Washington-Liberty is reviewing what her computer science students have been working on in Python with repl.it right now. This is an online resource that allows her to access students' code and provide feedback as needed. Here is a screenshot of a student's coding. Ms. Poland was able to provide the support needed to finish the assignment.



Additionally, Paul Bui, who also teaches computer science at W-L, created three websites for classes (IB Computer Science I, IB Computer Science II and AP Computer Science). Each website includes a wide range of remote activities and information for students.

Here is one example: https://www.paulbui.net/wl/IB_Computer_Science_1