

# intel®

**ByteSpeed**  
Your Complete IT Resource

## CASE STUDY

*The Intel NUC distance learning kits allow students to access the internet from any location, and access specialized applications that typical take-home devices do not support.*

### THE CHALLENGE

Distance learning has created a serious disadvantage for students without internet access. Many fields such as engineering, technology, business, and medical rely on new hires to have previous experience using engineering/drafting software, creative technology suites, computer science, and other applications. Students without resources to learn these critical applications will be at a disadvantage when applying to colleges and/or looking for jobs.

### THE SOLUTION

Thanks to the 2020 Intel Pandemic Response Technology Initiative, ByteSpeed was able to provide 30 Intel NUC distance learning kits to help Baltimore City Public Schools engineering and construction pathway students continue their classwork. Each kit features an Intel NUC, Cradlepoint IBR900 router, an Amazon AppStream 2.0 subscription, portable monitor, keyboard, mouse, and a custom backpack to organize and store everything. The Intel NUC distance learning kits will allow students to access the internet from any location, and access specialized applications that typical take-home devices will not support.

ByteSpeed selected Baltimore City Public Schools in Maryland because they have many students without home internet access. The demographic of City Schools is that of a diverse nature, with roughly 77% African-American, 14% Hispanic/Latino, 8% White, and 1.5% composed of Asian, Native/American, or Pacific Islander.

ByteSpeed's Intel NUC distance learning kits ensure that no student is cut off from career and technical education, or is disadvantaged due to their home situation. It is designed to ensure future students are ready to enter the workforce by having the necessary knowledge to begin college classes and apply for technical careers.

---

***"The Intel NUC distance learning kits grant has been tremendous in helping our engineering and construction pathways students access specialized software in the virtual learning environment to access project-based learning. We wanted a solution that gives students the ability to use engineering software in a platform without the limitations of a regular Chromebook."***

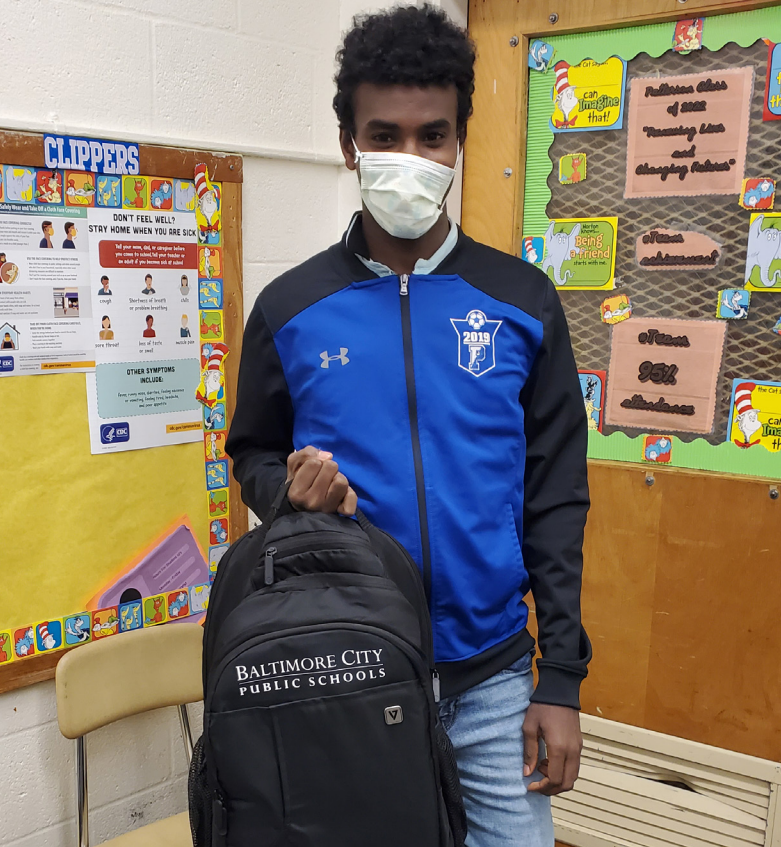
*—Maxwell Alukwu, Academy Principal at Baltimore City Public Schools*

---



Contact us: [sales@bytespeed.com](mailto:sales@bytespeed.com) | [www.bytespeed.com](http://www.bytespeed.com) | 877.553.0777

**ByteSpeed**  
Your Complete IT Resource



a lot of processing speed and memory space. This solution can be used for non-engineering courses as well, so there is no need to have a separate Chromebook for other classes.

Alukwu says, "Since students started using the Intel NUC distance learning kits, we have seen across the board an 85% completion rate of projects being turned in by students, as compared to a 47% turn in rate prior to commencement of usage of the new product."

In addition, the feedback I have gotten from students, teachers, and parents has been very satisfying. This solution has been very effective in assisting students to be more productive in our project-based learning asynchronous instruction."

"The pandemic has inspired ByteSpeed to explore creative ways to provide technology for students who might otherwise be left behind. We are proud to have the opportunity to work with Intel to make a difference in these students lives," said Anna Hanson, ByteSpeed Sales Director.

The City Schools project focus includes junior and senior students across four schools throughout the 2020-2021 school year, with emphasis on construction and design management, engineering, and computer science. City Schools is working closely with ByteSpeed to monitor the solution's performance and evaluate areas for improvement.

"We decided to focus on our engineering and construction pathway students first because the Chromebooks that were issued did not have the capacity to accommodate the technology requirements to allow our students complete projects in a virtual environment." Alukwu says.

This unique solution met City Schools program requirements in an online environment for construction design tools and engineering sketching and drawing, which require

According to Intel, their role through the pandemic points out undeniable lessons: Technology used to its potential can change lives. No one can solve these problems alone. And we will never thrive as we once did if we don't work with our customers and our communities to make our world better after we recover.



## About ByteSpeed

ByteSpeed has been a leading IT solutions resource since 1999. We provide customized computer hardware, enterprise networking solutions, and professional IT services nationwide. ByteSpeed is an Intel Titanium Partner. ByteSpeed has partnered with Intel on numerous creative education initiatives throughout the years.

ByteSpeed was founded with a vision to manufacture high quality computers and offer uncommonly superior customer service. ByteSpeed offers industry leading warranties, personal customer service, free shipping, and free lifetime tech support.

Learn more at: [www.bytespeed.com](http://www.bytespeed.com)

Contact us: [sales@bytespeed.com](mailto:sales@bytespeed.com) | [www.bytespeed.com](http://www.bytespeed.com) | 877.553.0777

