Overview of
Technology Projects, Priorities & Pricing
October 16, 2019

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Our Future

Project Name	*Priority	Category	Scope of Work and Justification	Budget
Teacher & Presentation Stations Replacement	1	Educational Technology	**SCOPE:** Replace 1,640+ Teacher Desktop Computers & Presentation Stations at all schools. **This project impacts all 23,861 students.** **JUSTIFICATION:** The teacher desktop is an essential tool for teachers to use to collaborate with parents and staff. It is also utilized for tasks such as creating lesson plans, inputting grades and attendance for all students. The Presentation Stations includes a laptop that runs the software that controls the Promethean Boards. These computers are 5 years old. Lenovo is not making parts for these computers and it is becoming harder for us to find parts to repair them.	$4,955,100.00
Interactive Whiteboards	1	Educational Technology	**SCOPE:** Replace 1,640+ Interactive Whiteboards and Projectors with Interactive Panels at all schools. **This project impacts all 23,861 students.** **JUSTIFICATION:** The interactive whiteboard is a tool that all GCCISD teachers use in the classroom for daily lessons. This board engages visual, auditory, and kinesthetic learners and allows the teacher to provide students with interactive, visually rich lessons. Promethean has moved from interactive whiteboards and projectors to a interactive panel. The current interactive touch boards and projectors are being phased out by Promethean making parts harder to acquire. To date we have replaced a third of the projector fleet with warranty projectors.	$7,299,360.00

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Replace Elementary and Junior High Mobile Devices	1	Educational Technology	**SCOPE:** Replace Mobile Devices for 4th, 5th, 6th-8th English Language Arts and Social Studies Classrooms from across the district. 340+ Laptop and iPad Classroom Carts**. This project impacts 9,111 students.** **JUSTIFICATION:** Mobile devices are integrated into lessons and provide students with the latest information for learning. They also enhance communication and collaboration in the classroom between peers and with the teacher. Having mobile devices in the classroom helps prepare our students for the technology rich 21st century. These devices, which are used daily by students, are reaching the end of their life cycle.	$6,929,500.00
Add Elementary and Junior High Mobile Devices	1	Educational Technology	**SCOPE:** Add Kindergarten, 1st, 2nd, 3rd, 6th Math & Science, 7th Math & Science, 8th Math & Science Mobile Devices districtwide. 500+ iPad Classroom Carts. The elementary desktop computers in the classroom would not be replaced. **This project impacts 12,269 students.** **JUSTIFICATION:** Instructional technology resources are an important part of daily lessons, remediation and student evaluation of performance. Our primary grades, along with junior school math and science classrooms are at a disadvantage because they do not have devices assigned to their classroom for daily use. This shortcoming presents a technology gap for our primary and junior school math and science students. Eighty-five percent of district textbooks have a digital component. The adoption of online curriculum has increased the demand for technology in the classroom.	$6,553,000.00

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Computer Lab and Library Technology Replacement	1	Educational Technology	**SCOPE:** Replace 3,100+ Desktop Computers in the Computer Labs at all of the schools. Replace Technology in Libraries at all schools. This would include but not limited to Desktops, Laptops, iPads, Scanners, and Headphones. **This project impacts all 23,861 students.**	$6,896,247.00
			JUSTIFICATION: Students and teachers utilize our technology computer labs and libraries in diverse ways. Research, remediation and technology instruction are just a few ways that students utilize these spaces. Teachers utilize these areas for meetings and professional growth. The library and its technology are the "brain" of the school. The library is a media centers and not just for books. It gives students a quiet place to learn and do research. The computer labs are required for online testing and classes such as Technology Applications, Business Information Management, Computer Science and several CTE\STEM classes to name a few.	
Administrative Computer Replacement	1	Technology Infrastructure	**SCOPE:** Replace 1,200+ Administrative Desktop Computers at all of the schools and non-instructional facilities. This is a district wide project. **This project impacts all 23,861 students.**	$1,322,200.00
			JUSTIFICATION: These desktops are the workstations for all administrative and non-instructional staff. Devices are used to communicate and collaborate with District and Non-District contacts and perform normal workplace tasks. These computers are 5 years old. Lenovo is not making parts for these computers and it is becoming harder for us to find parts to repair them.	

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Network Cabling Replacement	1	Technology Infrastructure	**SCOPE:** Replace District Network Cabling at older facilities that were built before 2005. This project was identified and requested in the 2013 Bond Planning Process but was removed. **This project impacts 16,509 students.** **JUSTIFICATION:** This cabling is 20+ years old, surpassing its lifecycle of 20 years. Some of the cabling is using split pairs which limits the ability to use phones or other ethernet powered devices and lowers the devices' connection speed. The cabling has reached its maximum life expectancy and needs to be replaced.	$11,992,560.00
Network Infrastructure Replacement Phase 1	2	Technology Infrastructure	**SCOPE:** Replace 2,500+ Wireless Network Access Points at all of the schools and non-instructional facilities. Replace 164 UPS (Uninterruptible Power Supplies) that powers and protects the district's network infrastructure. **This project impacts all 23,861 students.** **JUSTIFICATION:** The wireless access points are utilizing older technology and will not support the latest wireless standards that are being demanded by today's educational needs. We need to upgrade the wireless network in three years to support the latest wireless technology standards and the additional devices in the above projects. The UPSs are five years old and warranties on these devices are ending. The batteries are reaching their five year life expectancy and need to be replaced. These UPSs are critical in protecting the network hardware from electrical damage.	$3,789,700.00