

**Technician Survey About Innovation and Impact on Learning
November 8, 2017**

Grade Level	Regarding innovative uses of technology , describe how classroom instruction, teacher training and delivery, and effective online instruction has improved as a result of the 2014 Bond Technology	Regarding the impact technology has had on learning , how has the 2014 Bond Technology program impacted learning within the district?
Elementary	Classroom instruction has become more involved and effective.	The learning process has evolved with the new equipment and has become more interactive. Students are able to work and interact with the teacher easily.
Elementary	The use of the light speed system paired with the Promethean boards have changed how teachers can deliver instruction and gives them greater access to more content for the students to use.	Students are being introduced to new ways of learning with Promethean boards, Chromebooks, and are able to listen better with the implementation of the LightSpeed systems. Students are using the touch capabilities of the Promethean board doing word and math problems.
Elementary	Users are loving the large Promethean panels that allow their students to see instruction much clearer than the old projectors. Teachers are liking having a device that they can take to trainings and meetings out of their classrooms or off campus.	Classrooms are more interactive. Students are using the Promethean Panels to write on for solving math problems, finding parts of speech in sentences and practice spelling.
Elementary	Promethean Boards have had a tremendous impact in helping the teachers use a technology that the kids can get really participate in.	Promethean forces the teachers to be more creative in their use of tech. Lightspeed has help the entire class hear the teacher give a lesson

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Middle School	Promethian boards are being utilized with much greater effectiveness as opposed to smartboards. Our campus has began to utilize Hovercams and zoom meetings for our Den Meetings with Principal.	Much better connectivity. Much more dependable and consistant.
Middle School	I'll be honest; it's much better, but not really where it should be. As a district, just throwing money at things will not make the infrastructure work better. Additional resources (people) need to be in place as well.	For state of the art equipment to work properly devices need to be replaced on a rotating schedule. Some schools are still using 8+ year old equipment and making it work to the best of their ability. Example - money spent on new wireless technology may or may not improve functionality of antique equipment.
Middle School	There is an improvement. However, only being here since fall of 2016, I can't give a very informed response. I will say that Boards that don't require cleaning and have unlimited space are very helpful to the students and teachers, especially if there is a question about something written a the very beginning of class. Overall, I'd say it immediately improved the learning process when hardware was implemented.	Students with more time in class are better off. New student machines chromebook and windows outfitted with SSD's provide them with that extra time for extra instruction. Notably in reading classes where the faster they are online and starting the lesson the better.
Middle School	All teachers with much older computers 2011 and older seem to be suffering as not only do they have some of the oldest equipment in the district but they are given training on equipment they might not have for another year. The Teachers with laptops and Promethean boards seem to have fewer daily issues with slow computer performance and sound/video related incidents are fewer.	The Labs are used for group projects/research and since many of mine are all 2009 computers and are not supported with images anymore as they die they are useless, however replacing them with chromebooks is not the answer since the Art classes teach photo shop in the labs, sadly only one lab is able to support this program at this time but we would like to utilize the others as well.
Middle School	A majority of teachers have become even more tech savvy with the use of hands on training exercises. When Lightspeed was installed, a hands on tutorial training was planned a week out on top of a number of videos that were sent via email. With these training videos, teachers have learned on their own to take matters into their own hands, if not, then they wait for the hands on tutorial. Half of the teachers who have updated laptops for them and their students have succeeded in class and outside the classroom in which teachers are able to video record their lessons and tutorials for students who are able to find it on each teachers website. The other half it has been a struggle with the old Dell 5420 having connection issues and no log on servers, but being allowed to use their own devices, teachers have found their own innovative ways to help with their teaching for the time being.	Being a new tech to the district, I have noticed and assisted with classroom instruction and have seen a huge improvement in technology since I was in school. From the hands on use with Promethean panels to the teaching with Hovercams inside and outside the classroom. The use of the BYOT program encouraging teachers and students to get even more involved with technology by using their phones or laptops during instruction. Even now with Lightspeed coming into play, the term "learning" has become a new and fun expression for all to enjoy.

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Middle School	It has improved the classroom 2 fold. With the use of the lightspeed and prometean it became much more easier to teach. We need other teachers that do not have the prometean board and among other things to receive them.	The specific changes are the time spent on using the classroom. Technology is readily more accessible to the files or notes needed for the classroom which therefore spending more classroom time than before. Teachers are able to complete their work via laptops at home. Promethean board shows a lot of promises - for example more interaction with student, ease of using the the prometean board, the used of chrome books or windows based laptop among the student made it much more interactive.
High School	Cannot really tell, it seems "technology savvy" users either get to know, enjoy and love the products on their own research/experience and "technology challenged" users go to minimal exposure of it (as less as they can... that includes usage, training, etc). But again, I was here for the start of the Bond and left for a year. As far as delivery, even though we have been "informed" of ETA's for the end user it just takes too long.	Definitively WiFi and wireless student's devices have impacted learning. Students have more (online) tools available and ready to be used.
High School	Teachers are very pleased with the new tablets they have been given. The tablets are reliable, powerful and with the addition of Hovercams and Active Panels, teaching has reached new levels.	The introduction of 8 chromebooks into Read180 classes has made a difference in classroom participation. The eight tablets give 2 more students the opportunity to work. Sound issues have been less if not gone completely.
High School	<p>Promethean panels are used as TVs. Teachers take laptops off of carts to use as their teacher tool because their assigned device is tethered to the Promethean panel.</p> <p>The subjects that have received Promethean panels had already stowed the Smartboards away long ago due to non-use. The subjects that readily use the interactive technology are still eagerly waiting for their new devices.</p> <p>The improved network and wireless infrastructure allows increased online instruction methods when devices are available to students.</p>	<p>New student Chromebooks and Windows laptops are often tucked away in closets or drawers due to non-use. Many Hovercams are found in classroom cabinets and drawers, still in their original packaging.</p> <p>With the increased wireless capability in classrooms, teachers have been unsuccessfully attempting to have the students use cellphones for classroom activities instead of proper computers.</p>
High School	Students and staff can stay connected virtually anywhere on campus. This enables them to have information readily available.	Our teachers and students use our collaborative spaces with laptops to work on projects.

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All	Since the up grade to the network and Access Points we are able to put more devices onto the network.	We can now put more devices on wireless which means that when it comes to Campus Testing we do not need to hardwired laptops for TelPas and Starr testing . The wireless is more efficient since all of the upgrades has happen with the 2014 Bond Technology
All	There has been increased productivity in all aspects of our technology. Better equipment means more people using the technology and it being user friendly means less hands on and less time to resolve issues. New equipment also means that there is less likelihood of equipment breakdown causing a delay in learning awaiting repair.	More users are using the help desk tools to help themselves because it is easier to use now. Teachers are happy to have laptops to take with them everywhere they need them.