



2021 Technology & Learning Survey Results and Analysis

Executive Summary

In February, 2021, the school district surveyed parents, students, and staff about their attitudes and opinions toward the use of technology to support learning in the Revere Local Schools.

In each stakeholder group, there is a wide variety of opinions and viewpoints, making it difficult to draw conclusions about the perspectives of the school community as a whole. The following statements characterize the prevailing sentiments expressed in the survey responses:

- Technology is important for student success.
- Technology helps with tech skills, creativity, critical thinking, and navigating ambiguity.
- Teachers use technology to improve student engagement.
- Technology affects student communication skills.
- Balance is needed in technology use.
- The role of the teacher is changing.
- Parents are concerned about screen time.
- Students prefer MacBooks to iPads.
- COVID has affected attitudes toward technology.

These insights will be used to shape technology and professional learning goals over the next few years as the district works to leverage technology in support of the Vision of a Minuteman core competencies and strategic plan goals.

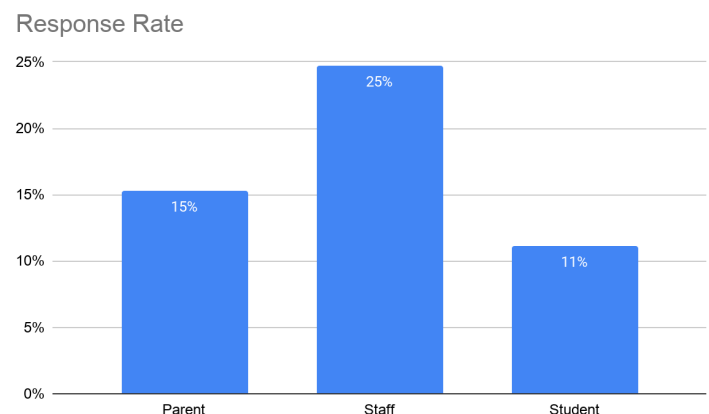
Introduction

Over the last several years, the Revere Local Schools have made a substantial investment in technology infrastructure, devices, software, and training. The goal of these initiatives has been to help students and teachers leverage digital tools in pursuit of more robust learning.

In February, 2021, a survey was conducted in an attempt to gauge attitudes and beliefs about the role of technology in learning, from the perspectives of students, staff members, and parents. The experiences of these stakeholders can help the school gauge the role that instructional technology currently plays in the schools. This data can also be used to shape goals and initiatives moving forward to ensure that they align with the mission of the district.

Participation

The survey was available from February 18-28, 2021. All district parents, staff members, and students in grades 6-12 were invited to participate.



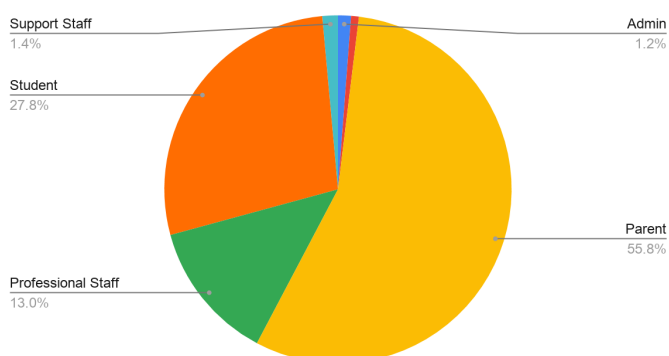
A total of 5,617 people were invited to participate, with the primary focus on licensed staff, parents of students in all grades, and students in grades 6-12. Some responses were also received from younger students, support staff members, and community members. These responses are valued, and are included in the totals throughout this report, but they are not broken down into subgroups because of their small numbers.

The overall response rate was 15%, with staff members participating at a higher rate, and students participating at a lower rate.

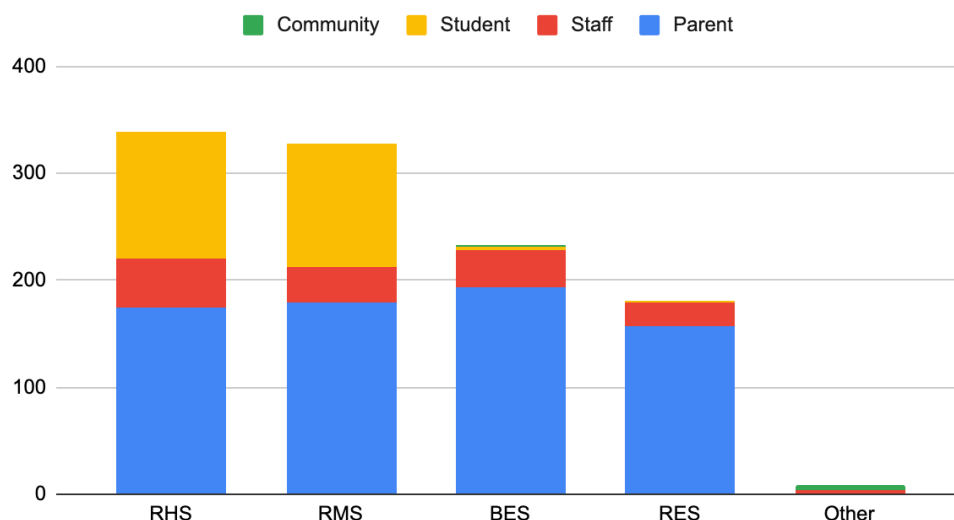
Survey participants were asked which schools they were associated with, and they had the option to select multiple buildings. For example, a parent with students at both Bath Elementary and the Middle School could select both buildings. In those cases, the responses are reported with all of the buildings they selected.

In general, participation was consistent across the four school buildings, with slightly higher parent participation at Bath Elementary, and slightly lower participation among Richfield parents.

Stakeholder Representation: Percent of Total Responses



Responses by Building



Participation rates were consistent with expectations. While it is always preferable to have high response rates, this sample size allows for a confidence level of 99% and a margin of error of 4.5%. That is, overall, there is a 99% chance that the actual population's views fall within 4.5% of the values reported in the survey. Because of the lower participation rates, there is somewhat less confidence in the parent (98%) and student (90%) responses than in the staff responses.¹

¹ Sample size and confidence level metrics were derived from <https://www.qualtrics.com/experience-management/research/determine-sample-size/>

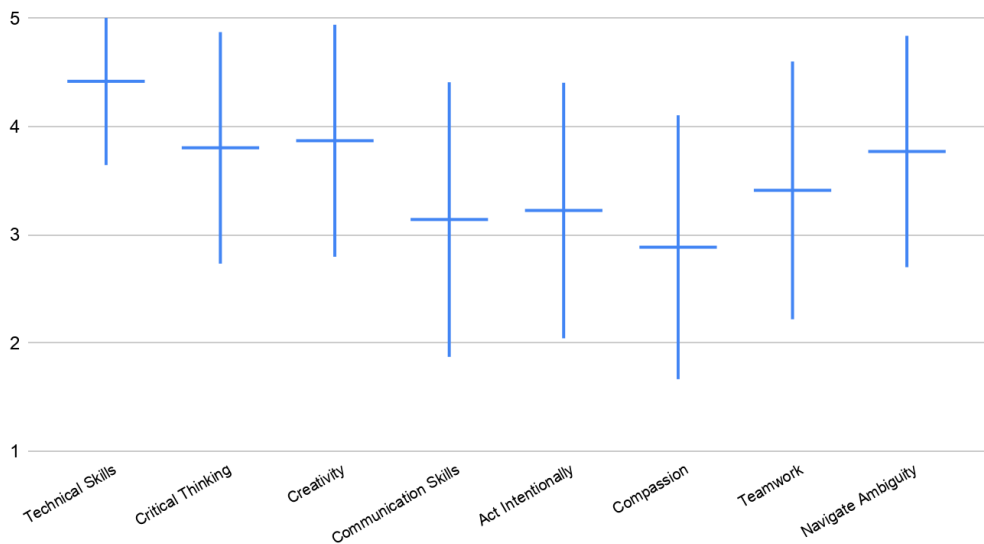
Beliefs about Technology In Education

Technology has many roles in education. It can be used to provide and manage instruction, help students practice skills, foster the development of 21st century skills, and improve the efficiency of operating and managing the school. Additionally, it is important for students to learn *about* technology and to practice technology skills just like other content areas. Before asking questions about how technology at Revere can best meet the school district’s needs, it is helpful to identify how the various stakeholder groups define their roles.

All participants were asked the same questions on this part of the survey. On a scale of 1-5, they were asked to rate their agreement with these statements:

- Technology helps students develop media, technical, and information literacy skills.
- Technology helps students develop critical thinking skills to bring creative solutions to problems.
- Technology helps students develop and express creativity.
- Technology helps students develop communication skills.
- Technology helps students learn to act intentionally to benefit the broader community and greater good.
- Technology helps students develop awareness, sensitivity, and compassion for others' experiences.
- Technology helps students learn to work together as part of a team.
- Technology helps students learn to work effectively in a climate of ambiguity and changing priorities.

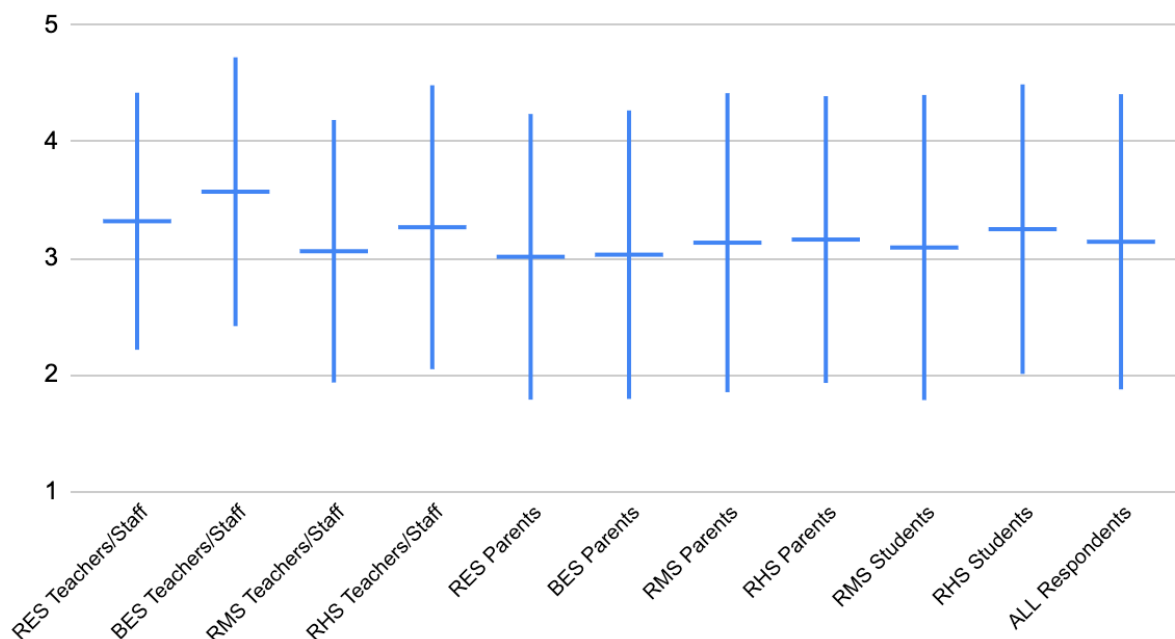
Technology helps students develop...



This chart shows the average rating for each item, along with the range of responses comprising one standard deviation. For each item, 68% percent of the responses fall within the range of the vertical line. The lengths of these lines is indicative of the fact that there is a wide variety of opinions around these ideas. For example, the average rating for “Technology helps students develop communication skills” is 3.14, slightly above average. But the range for one standard deviation is 1.87 to 4.41. So while it can be concluded that most people generally agree with that statement, there is not much consensus. Some feel strongly that technology does help improve student communication skills, while others are adamant that it does not.

Because of this wide variety of responses, it may be helpful to take a closer look at the subgroups. It is possible that the wide range of responses is due, for example, to students and parents having very different opinions on these issues. This graph takes one statement, “Technology helps students develop communication skills,” and compares the responses of the various subgroups:

Technology helps students develop communication skills.



While there is some variance in the average opinion, especially among staff members, the consistency across subgroups is remarkable. In all cases, there is a diversity of opinions within the stakeholder subgroups. The standard deviations are relatively high, indicating that there is a significant variety of opinions within each group. There does seem to be some difference among the staff members at the various buildings, with Bath staff members having the highest level of agreement with the statement, and middle school teachers much less convinced. This pattern is consistent among most of the characteristics in the beliefs section, with Bath teachers generally exhibiting the highest levels of agreement, and middle school teachers reporting the lowest.

For the most part, parent responses are pretty consistent across the school buildings. In general, parent agreement with technology's impact on each characteristic tends to increase with the age of the student, but these gains are marginal. Student agreement is higher at the high school than at the middle school. Like the other subgroups, this pattern is consistent across the eight items in this section.

Generally speaking, there is not a large difference between subgroups on the question of technology beliefs, but there is a high level of variety within each subgroup. That suggests that the school community holds a wide range of beliefs about the role of technology in education, and that those beliefs are not dependent on whether the stakeholder is a staff member, parent, or student.

The Revere school community believes that technology helps students develop technical skills, improve creativity, enhance critical thinking, and learn to effectively work in a climate of ambiguity and changing priorities. The school community does not believe that technology helps students develop awareness, sensitivity, and compassion for others' experiences. There is mild agreement that technology helps students develop communication skills, practice collaboration and teamwork, and act intentionally to benefit the broader community and greater good.

Student Viewpoint

All students in grades 6-12 were invited to participate in the survey. A total of 230 students completed it, with 119 from the high school and 114 from the middle school. Four Bath students and two Richfield students also

submitted responses. Those opinions were included in the totals, but not in any specific building analyses. Some students selected an association with more than one building, and those responses are included with both buildings. This can happen, for example, when middle school students also take high school classes.

In addition to the questions related to technology beliefs, the student-specific questions asked learners to reflect on their use of technology from both an instructional perspective and a technical one. They were asked to rate their agreement with each of these statements on a five-point scale:

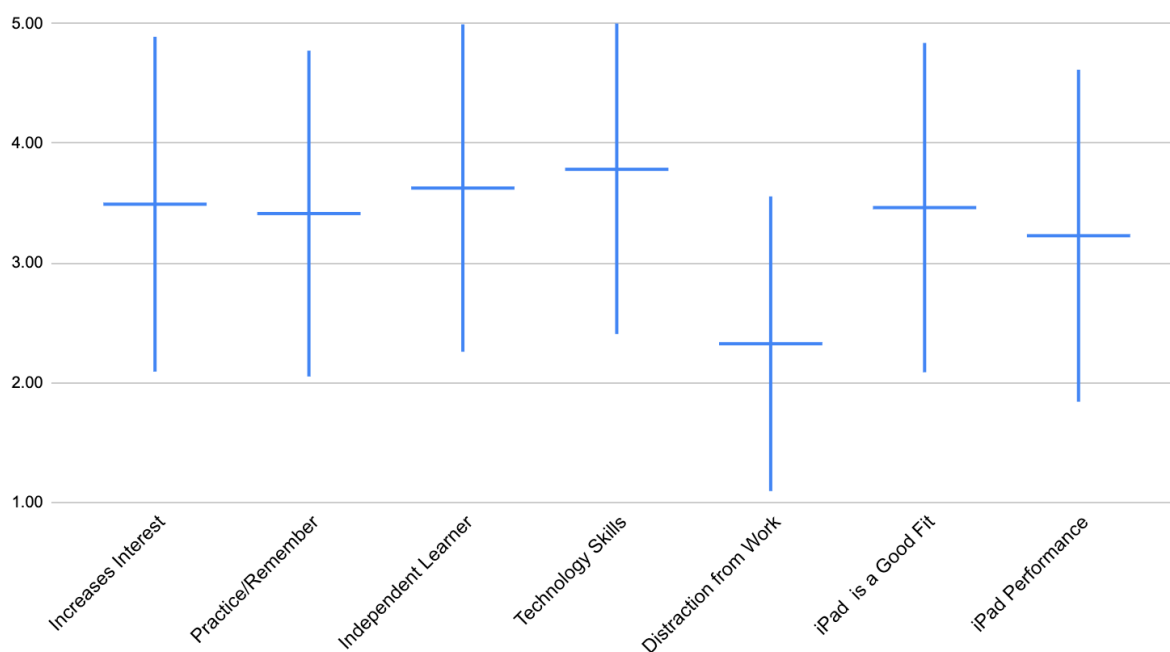
- Having an iPad has made learning more interesting for me.
- The iPad helps me practice and remember information taught in class.
- The iPad has made me a more independent learner.
- The iPad has helped me improve my technology skills.
- The iPad is often a distraction that keeps me from getting schoolwork done.
- I complete and submit most of my work online instead of relying on printed worksheets and assignments.
- I access most learning resources online instead of using printed materials.²
- The iPad meets most of my learning needs.
- The iPad's speed and performance are a good fit for what I need to do.
- I often use the iPad to create things to show what I have learned.
- The iPad has made it easier for me to work with others on group projects.
- I have experienced cyberbullying in the last year.
- It's easy to get technology help when I need it.

Overall, students are generally positive about the role of technology in their learning. They feel that technology helps them develop media, technical, and information literacy skills. It is also useful to improve critical thinking, creativity, and collaboration while helping students learn to navigate a climate of ambiguity and changing priorities. Students are less certain of technology's role in improving communication skills, helping them to act intentionally to benefit the broader community, and developing awareness, sensitivity, and compassion for others.

When it comes to opinions on the iPad, students are also positive. They generally agree that the iPad makes learning more interesting, helps them practice and remember information taught in class, improves technology skills, and makes them more independent learners and better team members. There is modest agreement that the iPad meets their learning needs and that it's a good fit for what they need to do. Many students commented that the 1:1 iPad program is inferior to the 1:1 MacBook program that the district had prior to 2019, and wished they could go back to having MacBooks. Students generally disagreed with the statement that the iPad is a distraction that keeps them from getting schoolwork done, an opinion that their parents do not share.

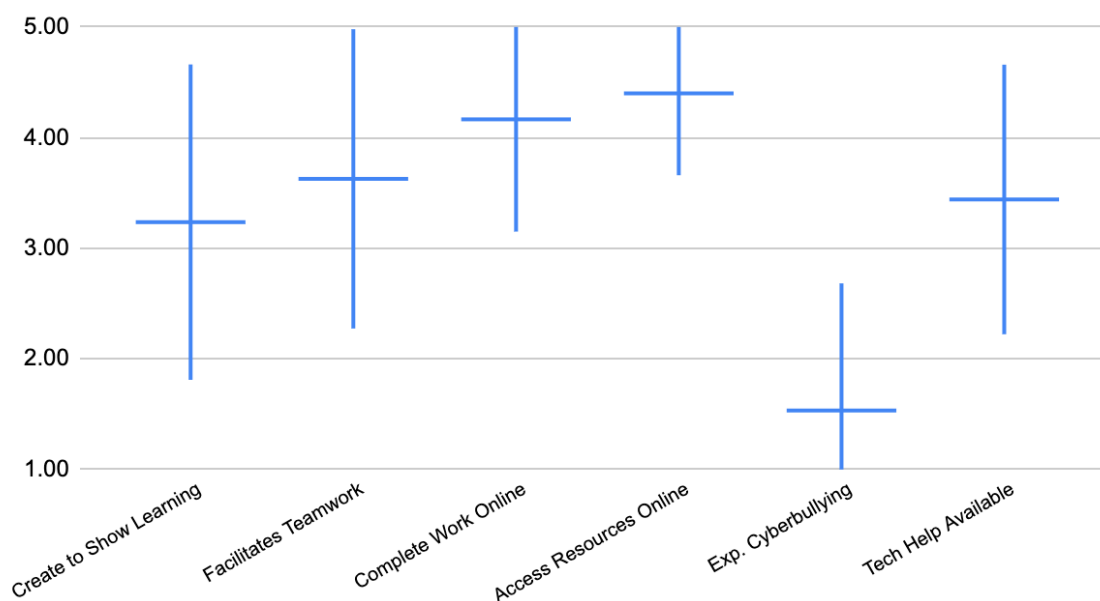
² Due to a typo in the survey, this question had a four-point scale instead of a five-point scale. Responses to this question were multiplied by 1.2 to make it easier to compare with other questions.

Effect of the iPad on Student Learning



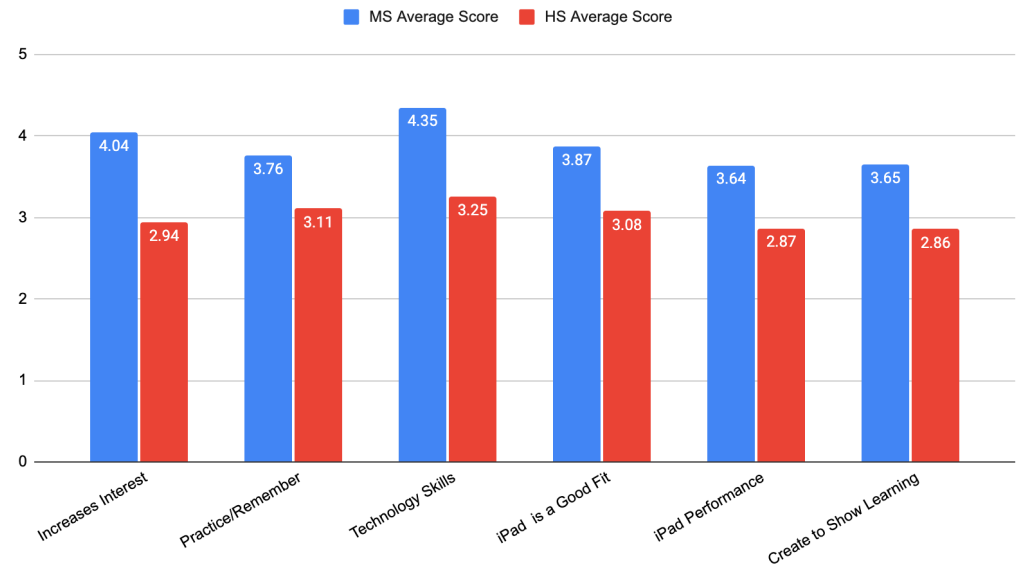
High school and middle school students indicated that they access more of their work online rather than using printed materials, and that most of that work is submitted electronically. Additionally, students do not feel that cyberbullying is a major problem, with most disagreeing or strongly disagreeing that they have experienced it within the past year. While students generally agree that they can get technical help when needed, it is clear that some improvements are warranted in that area.

Student Perspectives



While the student responses were generally consistent between the middle school and the high school, there were some exceptions. High school students are generally less enthusiastic about the iPad 1:1 program, and they were more likely to note that they would prefer to go back to the MacBook 1:1 program that the district previously had.

Key Differences Among Student Groups

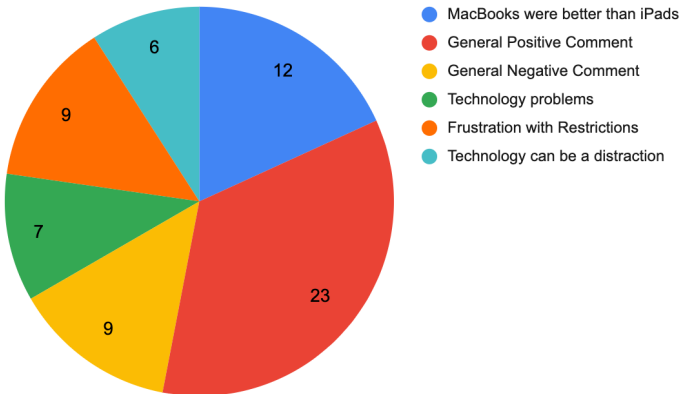


The final question on the survey asks for any additional perspectives about Revere’s use of technology to improve teaching and learning. A total of 108 students shared additional thoughts, many of which are insightful and perspicacious. General positive comments outnumbered negative ones by a 2:1 margin. The most frequently expressed sentiment was that students preferred the MacBooks to the iPads, and would welcome a return to a MacBook-based 1:1 program. A few students also mentioned Chromebooks or Windows laptops as potential alternatives to iPads. Two students indicated that they actually prefer the iPad to the MacBook.

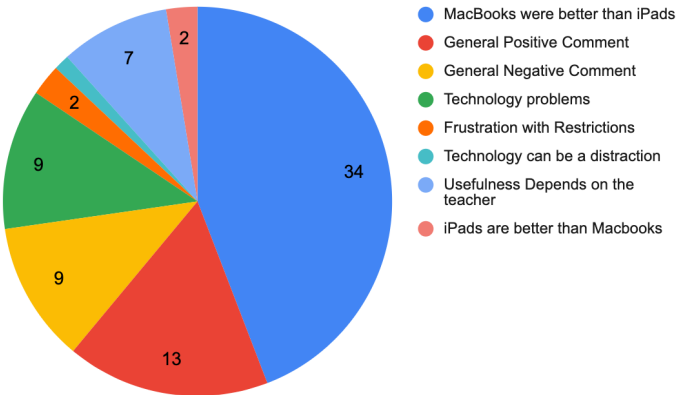
Additionally, a few students expressed frustration with filtering and restrictions on the devices, and some reported technical problems, especially with the keyboard cases on the iPads. A few students pointed out that the effectiveness of technology to improve teaching and learning largely depends on the teacher, and that there is a wide variety of instructional approaches to using technology, some of which are more effective than others.

All of the student comments are listed in the “Comments” section of this report.

Middle School Comments



High School Comments



Teacher Viewpoint

All staff members were invited to participate in the survey. Those who self-identified as a “Teacher or other professional staff member” or “Revere administrator” are included in this section, and the group is collectively referred to here as “teachers.” This group had the highest participation rate of any stakeholder group, with 118 responses received. Responses were relatively evenly distributed among the four schools, with slightly more participants at Bath and slightly fewer at Richfield. For teachers identifying with more than one building, their responses are included with all of the buildings they specified.

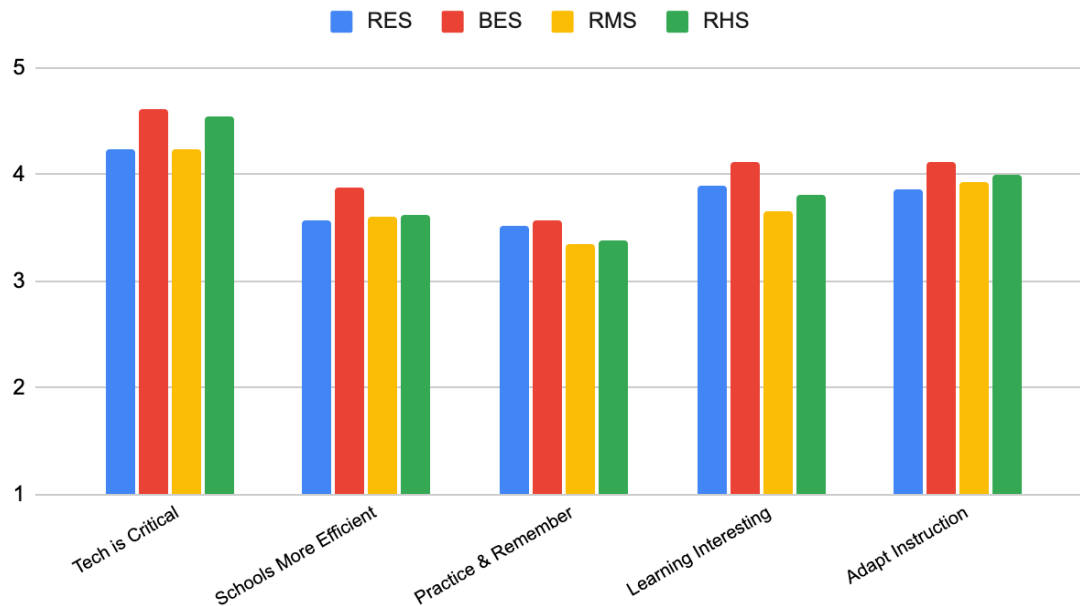
In addition to the belief questions, teachers were asked to rate their agreement with the following statements on a five-point scale, from “strongly disagree” to “strongly agree.”

- Technology and information literacy are critical for all students' future success.
- Technology makes schools more efficient, automating learning tasks while reducing costs.
- Technology helps students practice and remember material that teachers present in class.
- Technology makes learning more interesting for students.
- Technology helps teachers adapt instruction to meet each student's needs.
- Technology makes learning more relevant for students.
- Technology helps students become more independent learners.
- Technology is a distraction from proven teaching methods.
- Students should complete and submit their work online instead of relying on printed worksheets and assignments.
- Students should primarily access textbooks and other learning resources online.
- Teachers should primarily present new material in class, and technology should be used to help students practice and apply that material.
- Technology helps students create artifacts that demonstrate application of learning.
- Technology exposes students to new ideas while giving the teacher time to individualize learning experiences for students.
- Technology allows students to become independent learners, collaboratively applying their knowledge to innovative projects and sharing them with others.
- Technology helps teachers to be more effective.

For most questions, Bath teachers (BES) had the highest level of agreement, followed by the High School (RHS), Middle School (RMS), and Richfield (RES). These variations are not large, but they are very consistent. In each graph, the average response for each building is listed separately.

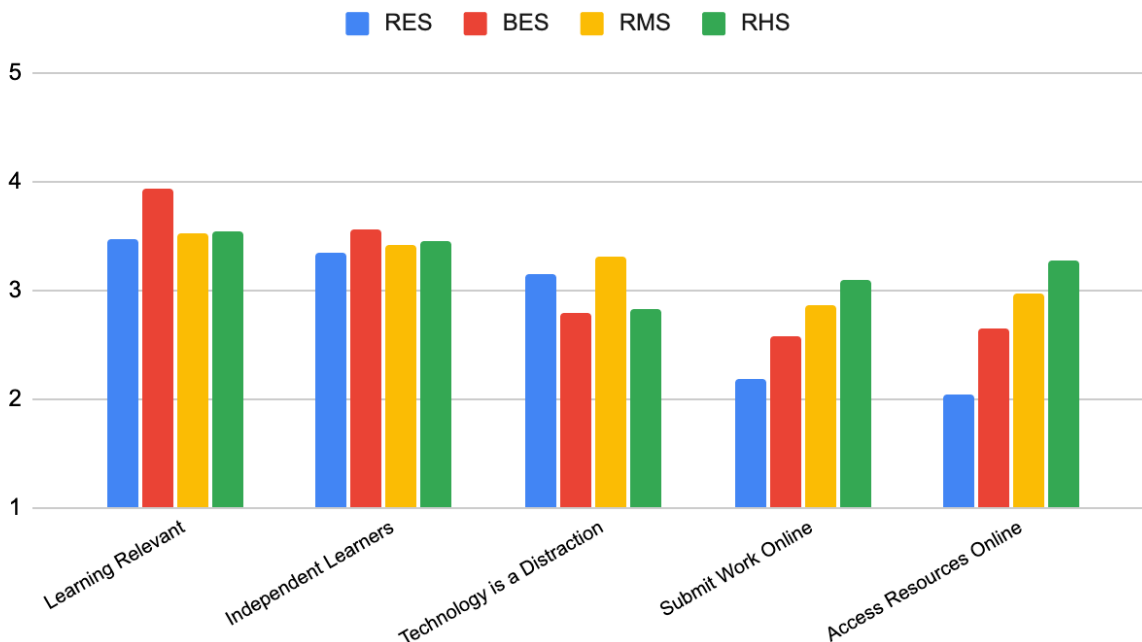
Teachers most agreed with the statement “Technology and information literacy are critical for all students' future success.” with an average rating of 4.49. There is also wide agreement that technology makes learning more interesting for students and that it helps teachers adapt instruction to meet each student's individual needs. Teachers agree -- but are less strongly convinced -- that technology makes schools more efficient and helps students practice and remember material that teachers present in class.

Staff Average Responses by School



Similar results are seen with the statements that “technology makes learning more relevant for learners” and “technology helps students become more independent learners.”

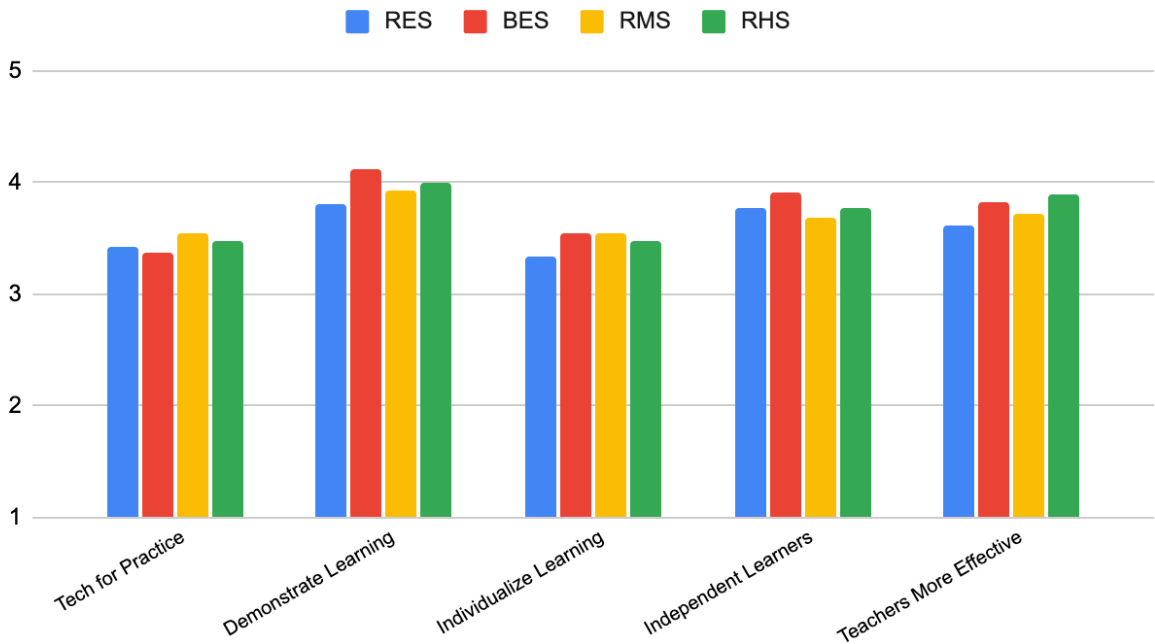
Staff Average Responses by School



There is less agreement about technology being a distraction for students, with average responses falling around the “neutral” level. On the questions of students completing and submitting work online and accessing learning resources online, most teachers disagree that these strategies should be a focus of technology in education, with opinions becoming slightly more favorable as students get older.

When it comes to creating artifacts that demonstrate application of learning and helping students to become independent learners, teachers generally agree that technology plays a role. They are less enthusiastic about the use of technology for students to practice and apply material presented in class, and they're equally skeptical of models in which the technology exposes students to new ideas while the teacher uses class time to individualize learning experiences for students.

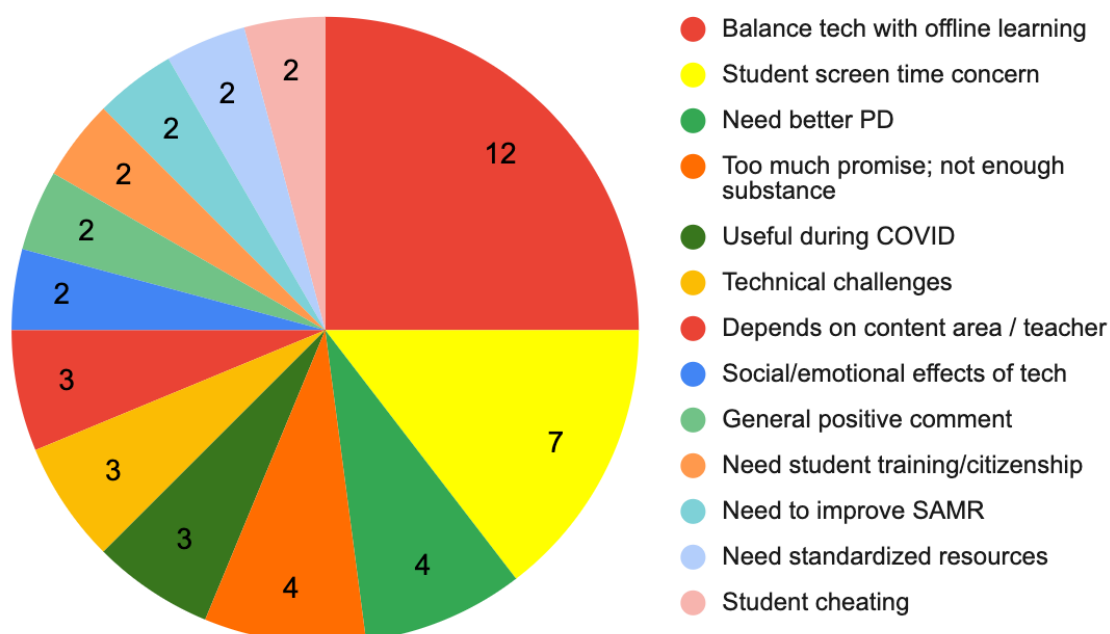
Staff Average Responses by School



When asked for any additional perspectives about Revere’s use of technology to improve teaching and learning, 41 teachers had comments. The most common concern was a need to balance the use of technology with other, offline activities. This sentiment was expressed by a total of 12 teachers representing every building except the high school. Similarly, seven teachers at Richfield and the Middle School expressed concern about student screen-time, and the possible negative effects of spending too much time on devices. These feelings echo similar comments expressed by parents.

Additional common concerns are a need for better professional development, with some teachers citing effective past practices in the district. There is also a concern that technology does not always live up to its promise. On the positive side, teachers cited the usefulness of technology during the COVID pandemic to continue instruction in ways that were impractical even a couple years ago. They also observed that the effectiveness of technology integration efforts largely depends on the teacher, the content area, and the grade level. It is very difficult to make generalizations about the district as a whole. Those views correlate with the survey results as a whole.

Teacher Comments



This chart shows common themes that were raised by two or more teachers. Complete comments are listed in the “Comments” section.

Parent Viewpoint

All parents of current Revere students were invited to participate in the survey. A total of 3,021 parents were invited, and responses were received from 462. Participation among Bath parents was slightly higher than the other buildings, and Richfield was slightly lower. More than half of the respondents are parents of children in multiple school buildings. For those parents, their responses are included in the results for all of the buildings with which they identified.

In addition to the questions from the beliefs section, parents were asked to rate the following statements on a scale of 1 (strongly disagree) to 5 (strongly agree):

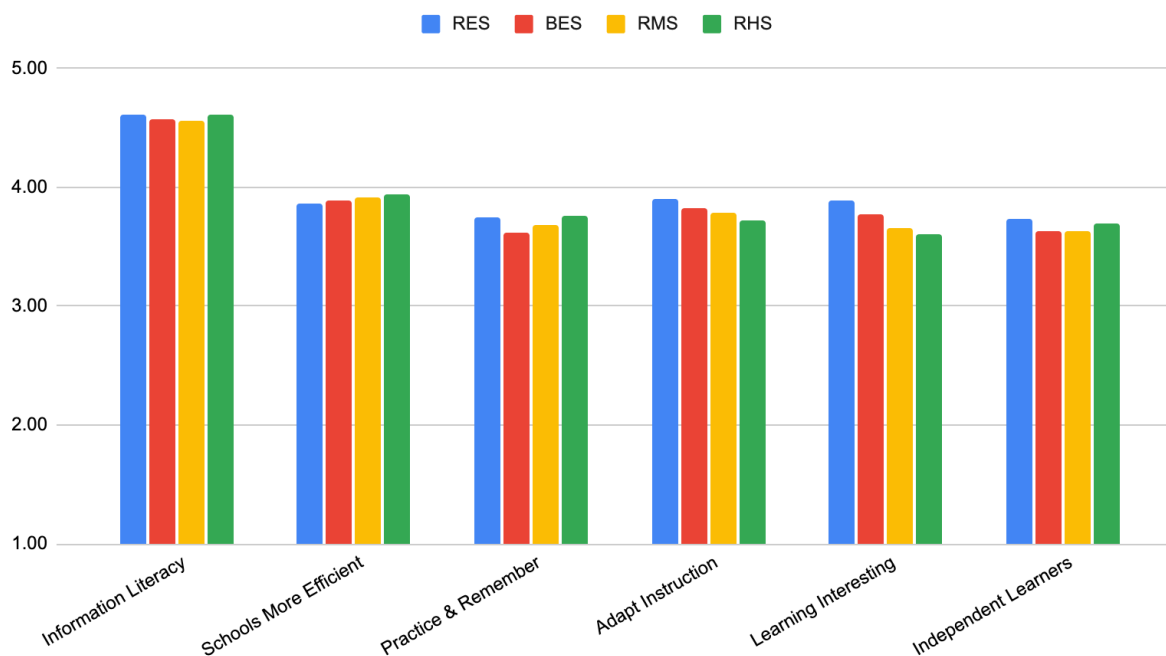
- Technology and information literacy are critical for all students' future success.
- Technology makes schools more efficient, automating learning tasks while reducing costs.
- Technology helps students practice and remember material that teachers present in class.
- Technology helps teachers adapt instruction to meet each student's needs.
- Technology makes learning more interesting for students.
- Technology helps students become more independent learners.
- Technology is a distraction from proven teaching methods.
- Students should complete and submit their work online instead of relying on printed worksheets and assignments.
- Students should primarily access textbooks and other learning resources online.
- Teachers should primarily present new material in class, and technology should be used to help students practice and apply that material.
- Technology exposes students to new ideas while giving the teacher time to individualize learning experiences for students.
- Technology helps students create things that demonstrate application of learning.

- Technology allows students to become independent learners, collaboratively applying their knowledge to innovative projects and sharing them with others.
- My child has the technical expertise to succeed in a digital learning environment.
- I'm concerned about my child losing or breaking expensive technology.
- I'm concerned about my child accessing inappropriate content on the Internet.
- I'm concerned about cyberbullying and other unkind behavior online.
- My child spends too much time using electronic devices.

While the responses are generally consistent across buildings, there are some key differences in some questions. In the graphs below, responses are shown by building. In cases where parents reported an association with more than one school, their opinions are reflected in both schools' graphs.

Parents overwhelmingly feel that technology and information literacy are critical for students' future success. They also agree that technology makes schools more efficient, helps students practice material presented in class, and allows teachers to adapt instruction to meet individual students' needs. Additionally, technology makes learning more interesting for students and helps them become more independent learners.

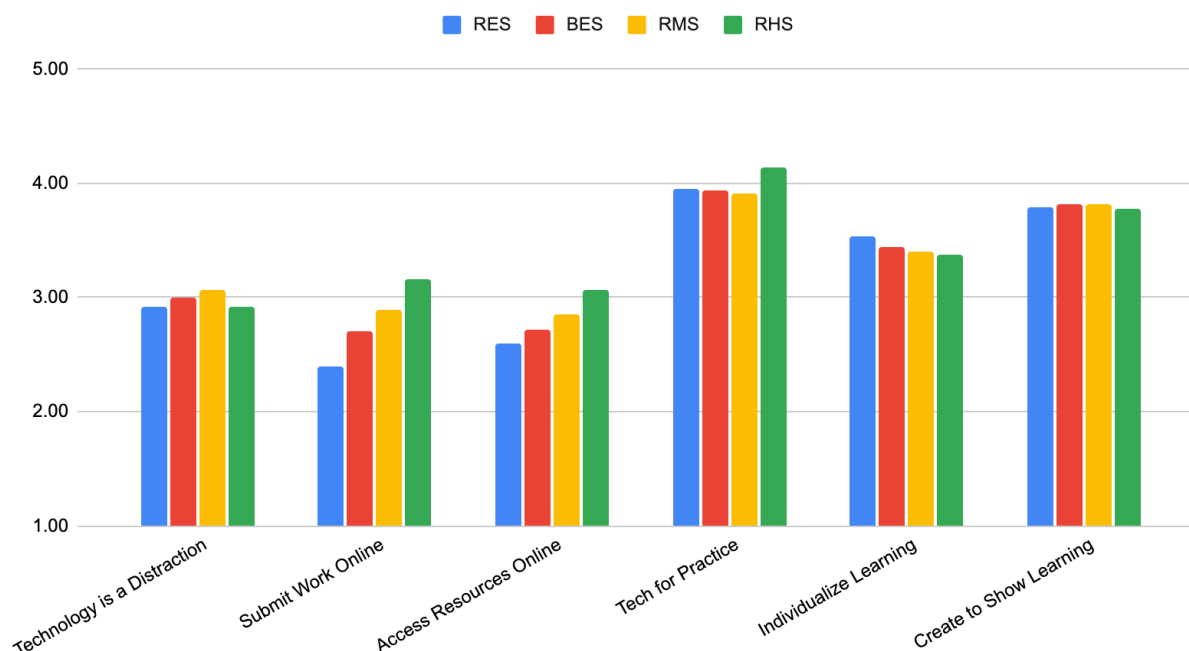
Parent Average Responses by School



Parents of primary and high school students tend to see technology as more of a tool for practicing and remembering course content. They expressed declining agreement with the statements on adapting instruction and making learning more interesting as students get older.

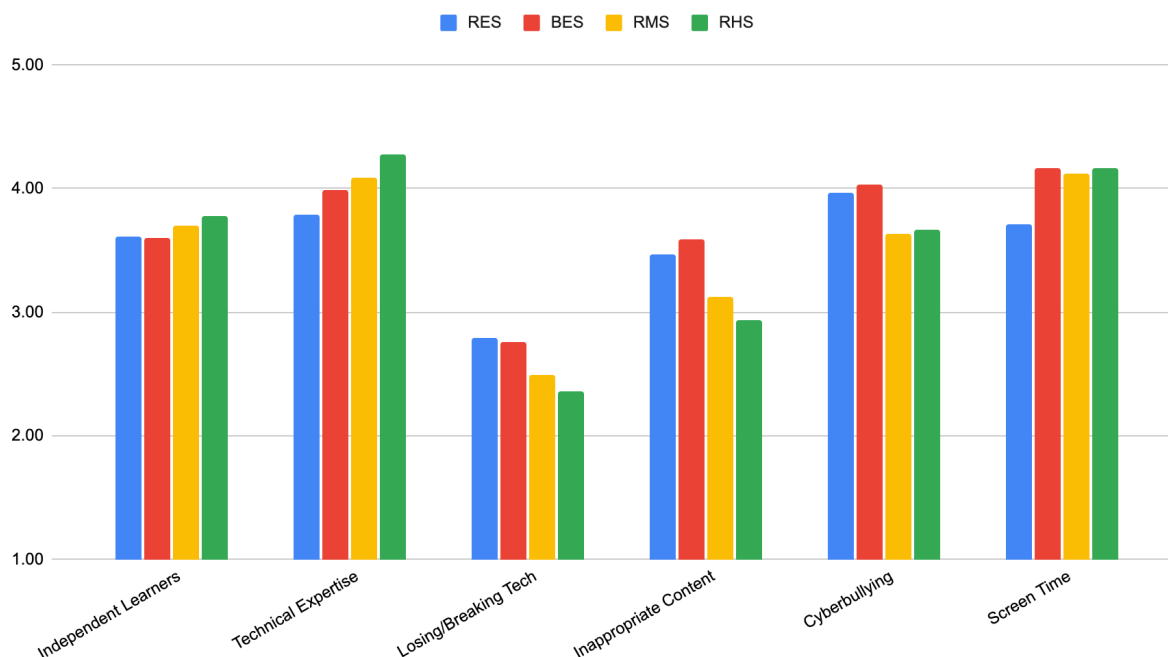
Parents feel that technology is a useful tool for students to practice and apply material presented in class, and it helps students create things to demonstrate application of learning. They are much less convinced that students should access resources and submit work online, especially at the elementary level. They're relatively neutral on the question of whether technology is a distraction from proven teaching methods, and using technology to individualize learning is not as evident as its other uses, especially at the upper grade levels.

Parent Average Responses by School



Parents generally agree that their students have the technical expertise to succeed in a digital learning environment, and their confidence grows as the students get older. They have significant concerns about cyberbullying and the amount of time students are spending on their devices, concerns which are not shared by their children. Interestingly, concerns about cyberbullying appear to peak in grades 3-5 before falling off sharply, while concerns about student screen time remain high throughout high school.

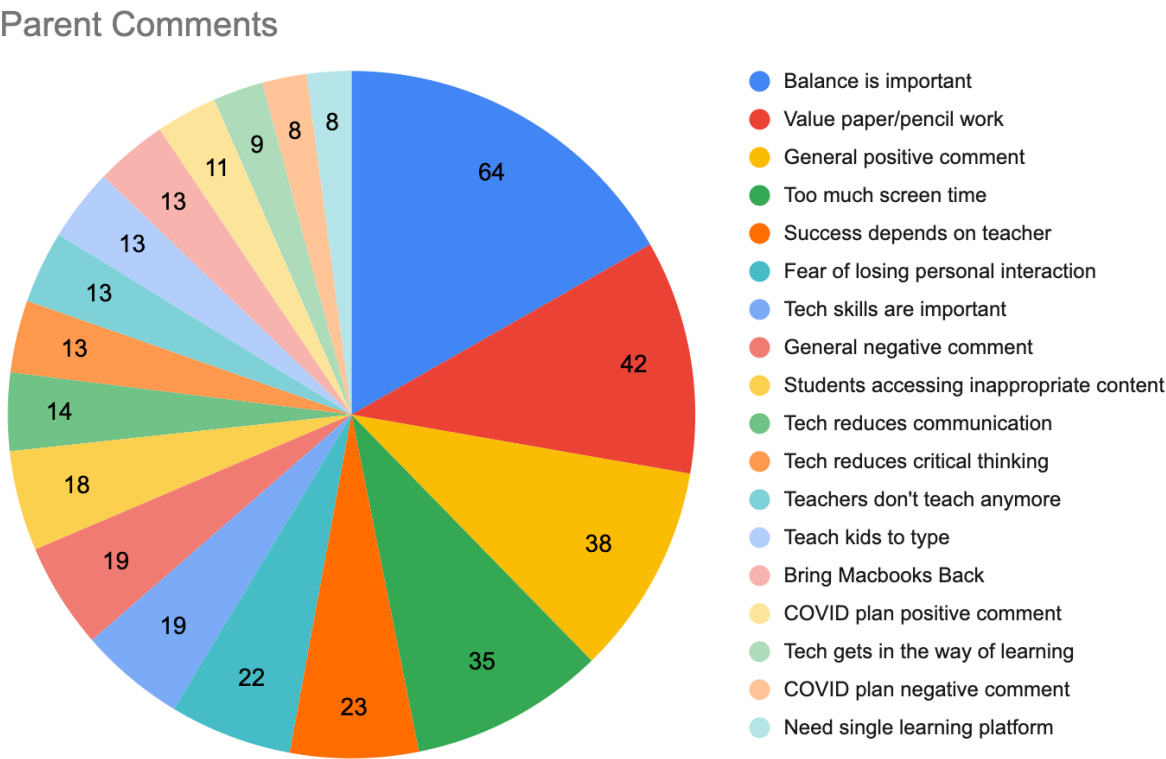
Parent Average Responses by School



Parents are not particularly concerned about students losing or breaking technology, which are fears that are common prior to the implementation of a 1:1 program. They do worry about students accessing inappropriate content at the elementary level, but those concerns are not nearly as prevalent at the middle and high school levels.

Parents shared 169 comments about the technology used at Revere, with a significant number of comments coming from each school. Many of the comments expressed mixed feelings about technology, acknowledging its importance and pervasiveness while also emphasizing the need for students to disconnect and for schools to continue to use a variety of non-technology focused instructional practices. Indeed, maintaining a balance between technology-rich instructional activities and more traditional teaching methods was the most often expressed sentiment.

Many parents also value traditional paper/pencil work, and want the schools to continue using printed materials and worksheets, focus on spelling and handwriting, and employ traditional assessments, such as quizzes and tests given on paper.



Parents are concerned with the amount of time students spend using electronic devices, and that concern grows as the students move through middle school and high school.

Many parents expressed general positive comments about the implementation of instructional technology at Revere, and they praised the district’s use of technology to support instruction. Many acknowledged the importance of technology skills, and some included information literacy skills like determining bias, citing sources, and fact-checking as essential skills for students. A few also asked that the schools formally teach typing.

Some parents noted that the success of technology in accomplishing some of the goals expressed in the survey lies in the teacher’s implementation, and that there is a wide variety of technology use strategies employed by our teachers, with varying degrees of success. A few parents feel that using technology discourages critical thinking,

inhibits collaboration, and reduces students' communication skills. Many noted that personal interaction is vital to students' future success, and that experience cannot be duplicated in an online environment.

Some parents are frustrated that teachers use technology to present content to students, and feel that teachers "don't teach anymore." They feel that presenting course material should be a teacher's primary role in the classroom.

A few parents are concerned about students accessing inappropriate material online, and some expressed frustration at the lack of parental controls or monitoring available to keep tabs on what students are doing with their school-issued devices. Some high school and middle school parents expressed the desire for the schools to return to the MacBook 1:1 program that preceded the iPad program currently in place.

The COVID-19 pandemic has had an incredibly disruptive effect on our society, and school is no exception. While the survey did not specifically focus on the district's response to the pandemic, some parents shared their feelings about the Covid response plan. Some felt that the district was able to leverage technology to continue learning in ways that were unimaginable even a few years ago. Others were frustrated that the district did not do more to replicate the in-person classroom experience for all learners in a digital environment.

In general, parents are passionate about their children's learning experiences, and they have mixed feelings about technology's role in teaching and learning. The complete comments from parents are listed, by school, in the Comments section.

Key Insights

Revere's stakeholders hold a wide variety of opinions when it comes to technology and learning. It is difficult to make generalizations because there are substantial fundamental disagreements on many aspects of technology use among students and teachers. Despite these differences, there are some trends that represent the majority of students, parents, and staff members.

Technology is important for student success.

We're living in an information-rich, technology-enhanced world. Our students need technical and digital literacy skills to thrive. In addition to opportunities to learn about technology, this includes the need for finding, filtering, and assessing information and information sources, identifying bias and misinformation, and citing and referencing sources of information.

Technology helps with tech skills, creativity, critical thinking, and navigating ambiguity.

Current use of technology at Revere suggests that students gain experience and expertise using a variety of technology tools as part of their learning. In many cases, these technologies are used in ways that enhance and encourage creativity, develop critical thinking skills, and work effectively in a climate of ambiguity and changing priorities.

Teachers use technology to improve student engagement.

Teachers see technology as a way to make learning interesting for students, adapt instruction to meet students' needs, give students a way to demonstrate their learning in innovative ways, and foster independence. All of these practices increase student engagement and encourage them to take a more active role in their learning.

Technology affects student communication skills.

There is a significant amount of concern and disagreement among staff members on the effect of technology on the development of communication skills among students. On one hand, digital tools give students many opportunities to express their ideas and share their work in a variety of ways. On the other hand, the use of digital tools at the expense of face to face interaction may deprive students of the interpersonal skills needed to effectively communicate and collaborate in the same space. Both are needed.

Balance is needed in technology use.

Our schools must balance technology use with traditional low-tech practices, using each when most appropriate. Employing technology for its own sake, or as a substitution for proven offline strategies, adds unneeded complexity to learning experiences. The schools should ensure that activities leveraging technology take advantage of that technology to accomplish things that cannot be done without it.

The role of the teacher is changing.

In an information-abundant society, the role of the teacher is evolving from a distributor of information to a facilitator who helps students navigate content, apply and connect it to previous learning and the real world, and provide custom learning experiences tailored to each student's needs. Many Revere stakeholders are struggling with this change, and the use of technology as a substitution for previous practices compounds this frustration.

Parents are concerned about screen time.

Of the many potential dangers that accompany technology use, parents are most concerned with the amount of time students are spending on devices. Concern about the number of hours students spend in front of screens far outpaces concerns about students accessing inappropriate content, students engaging in cyberbullying and other unkind behavior online, and students breaking expensive technology.

Students prefer MacBooks to iPads.

High school and middle school students would prefer to return to the MacBook 1:1 program that preceded the current iPad 1:1 program. Students expressed frustration with the limitations of the iPad platform, and often supplement the iPad with their own personal devices to get schoolwork done.

COVID has affected attitudes toward technology.

While the survey did not specifically address the COVID-19 pandemic, technology played a monumental role in the transformation to online learning, and this had a dramatic effect on stakeholders' attitudes toward technology. On one hand, it was amazing that the district could pivot to online learning so easily in the spring of 2020. But the online learning experience used technology as an inferior substitute for the classroom experience, and no one is enthusiastic about using those strategies after the pandemic has passed.

Comments

At the end of the survey, participants were asked to share any additional thoughts they had. Comments are reported here without editing, except that personally identifiable information has been redacted and replaced with text in brackets [LIKE THIS]. Staff members (teachers, administrators, and support staff) are all included as "Staff". In some cases, participants reported associations with multiple schools. In those cases, their comments are listed under each school.

Richfield Staff

- Educators hold the responsibility of ensuring that there is a balance between screen time and physical books, games, manipulatives, etc. in students' hands. We should turn to research to find the best approach in helping students (especially young children) learn; how much is too much screen time? Are we taking the time to teach children day-to-day time management, organizational strategies, skills one needs to grow? Can they not only find research materials through the internet, but find enjoyment through physical books at the library?
- I don't feel the screen time is beneficial for young learners and there are better paper and pencil tasks that are more productive than clicking and dragging
- I feel there is a time and a place for technology such as computers and/or iPads. In the elementary level, there are SO many important things we need to focus on and many times the kids benefit from simply being around and talking to other kids instead of on a device. As the kids get older, I do think the things they can create using their iPads as "tools" are amazing and worth taking the time to teach them to do. However, with the younger kids, just because they can, doesn't mean we should, especially with our push for more social emotional lessons, something's got to give. I see the benefits both ways and appreciate being given opportunities to learn about using our devices. Thank you!
- I'm really concerned about the amount of time that students are spending on devices in the Revere district. It appears that we are completely ignoring the AAP's and the AMA's recommendations on screen time and how it affects students' brains, vision, emotions, and (lack of) physical fitness levels. I know technology is VERY important to our administration at Revere, but we are doing a major disservice to students by not spending most of our time encouraging them to use 'old-fashioned' paper and pencil. Our teachers LOVE technology because it makes their job so much easier. I, however, prefer to put forth more effort by connecting with students, having face to face interaction, and teaching them how to become educated by communicating on paper, not just on a keyboard. I know this opinion is probably not appreciated, but truthfully most teachers feel this way and just don't say anything. Thank you [TEACHER NAME].
- My perspectives are not the end all be all, like with anything I firmly believe technology needs to be utilized in balance with everything else we need to prioritize at an elementary level. Thank you
- Without the legwork that we put in previous years, we would not have been ready to provide remote instruction during the COVID-19 pandemic. Student technology use needs to not be mandated at the early elementary levels.

Bath Staff

- I still believe in some of the "old school" ways of handwritten essays and math computation on paper. Technology is important, however kids have lost the need to be patient, search for information that is valid (not just a quick Google search and clicking on the top link) and reading through information. Too many answers at the tip of the fingers.
- I think teaching technology skills and integrating them into the classroom is very important for children. However, I do believe there is a time and place for the technology and there are many things that need to be considered when using technology in the classroom. I think we must keep in mind what is

developmentally appropriate for students age. I also think that paper and pencil tasks should not be totally abandoned. We must keep in mind that we are educating these children and they will each have an individual future. We are not only educating children that will be in a field where technology is the key skill set they will need. We have students that may be artists, hairdressers, waitresses, plumbers, or mechanics. Many of these other careers require skills that are driven from those paper/pencil skills that require the development of fine motor skills and are strengthened through cutting with scissors, gluing, or writing with a pencil. If we abandon teaching the little ones these basic skills, we could possibly be limiting the future for some of our students. I think it is our job as educators to keep our classrooms balanced with technology, as well as "old school" techniques.

- I think the inservice the district had last year at Bath School was really productive and would hope to see something like that happen again for teachers to share different ways to use technology to meet students needs.
- Technical difficulties is prevalent on a daily basis and that paired with the time to teach students how to access/troubleshoot reduces the already limited time of teaching content - all the while differentiating to each students needs for enrichment and intervention.
- Technology is great for report cards and communication with parents, but students using technology daily should be a supplement and not replace books or paper pencil tasks, especially at the elementary level. Students at any age shouldn't be spending the majority of their time on devices.
- Using both Apple and Google products now, I can say that Apple (iPads and Macs) are irreplaceable and investing in their devices should be a focus of ours.
- While technology is necessary and education is constantly changing, students are becoming TOO dependent on their devices. Children's social skills, communication skills, organizational skills, fine motor skills, and time management skills are not always benefitting from the constant use of technology. We are also finding that many of the programs we use are not adaptable to the iPad. This is very frustrating. It is challenging when we are encouraged to plan lessons and activities around technology, yet we spend most of our time dealing with glitches. It is also a problem when there are no tangible textbooks to fall back on when technology fails us.
- While the questions in the survey are good, I do not believe the answers are necessarily "black & white". If I were to add the word "CAN", I might perhaps answered differently.

For example, "Technology is (CAN be) a distraction from proven teaching methods." By definition, proven teaching methods are successful. Could the methods be enhanced with the use of technology, or could the result be worse? Sometimes we get too caught up in the latest & greatest that we forget that sometimes "old school" methods actually do work. The field of education is notorious for this. How many times has something new really just been a technique used ten years prior?

Similarly, "Technology helps (CAN help) students learn to act intentionally to benefit the broader community and greater good." It is imperative that students be able to communicate in a face-to-face setting as well as virtually. Body language, tone, eye contact, and inflection are incredibly important when conversing with another person. Now consider how often we hear of instances when someone behind a keyboard misinterprets an email because it was taken out of context, or there were no clues to show the sender's/receiver's attitude at the moment. For that matter, are there true consequences for abuse of the technology (trolling, inappropriate material, etc.)?

Lastly, "Technology helps (CAN help) students become more independent learners." For those students who have a passion for learning and want to find the elusive answer, then yes, technology can be helpful in this regard. Conversely, what about the student who is just going to copy & paste something together and submit it as their own work? All technology has done is made it easier to find the source material. Is he/she really being an independent learner, or just become better at plagiarizing?

I honestly do like what Revere is doing with regard to computers. The district has really come a l-o-n-g

way in just a few years, and I agree we aren't "there" yet. Let's continue investing while keeping in mind that new isn't always necessarily better.

Middle School Staff

- I think that we often get a focus on using the technology, without really digging into when/how it can be most effective-- it can sometimes feel like "bells and whistles", which have their own merits (yay gamified formative assessment!), but sometimes it can feel hollow. Digging in to use the technology is also so overwhelming-- to find those really good resources you have to do a TON of outside work, or give up your planning period to meet with a tech coach. Even though there are AWESOME ways to integrate technology into the classroom, it can feel like such an overwhelming prospect at times, on top of all the other responsibilities.
- I am concerned that students are not getting enough interpersonal experience as they increasingly use computers for communication. Students need more experiences where they must communicate face to face.
- I am thankful for Revere's dedication to technology! Teaching during the Covid shutdown was a nightmare for teachers and school districts who had not embraced technology. Luckily, we already had the tools and knew how to use them.
- I believe we need to integrate information literacy and digital literacy in class so the students understand how to be better digital citizens. I believe the training for teachers has gotten much better on using and applying technology in class. If we have a technology plan then it needs to be made public so everyone is on the same page with the appropriate use of technology and how it is used at Revere Local Schools.
- I think that technology benefits some academic areas more than others. Some curriculums align well with the use of technology for project based learning, while others, such as language arts, technology serves more for differentiating assignments. I also strongly believe that some teachers rely too much on technology to "teach" the students and there needs to be more discussion on the amount of time students are on a device throughout the day.
- I'm concerned about the long-term effects of students hunching over, staring at a device for hours and hours on end :(There are SO many benefits of technology, but we should talk about the drawbacks too.
- Of course, with any method, a great deal depends on the purpose and use of technology. It also depends on the teacher. We are familiar with and should be using the SAMR method (too much substitution is not necessarily good for students). Technology can be and should be used to supplement and augment (not replace) teaching in the content area. Technology CAN be a distraction and a temptation. Too much is not necessarily a good thing. Technology can enhance many units. Technology CAN be a means to communicate, but should not "replace" interpersonal communication.
- RLSD has made significant progress in securing tech and training staff members how and when needed vs. just doing it since the district spent money on it. I would love to see more summer sessions as we did 2 summers ago.
- Teachers should have time to choose to work on new technologies of their choice. The Elements of Learning is GREAT (really it is!!), but when teachers are being told they have to do something, they aren't going to want to do it. It is viewed as busy work. Teachers have done a lot of wonderful lessons and ideas with tech...it would be nice to showcase that with our peers instead of doing something that we won't necessarily use.
- The Revere school district has spent countless dollars on technology in the past in order to drag itself into the 21st century learning environment, which is wonderful to see over the past years I have been involved. Students and staff have embraced this learning approach with great success. However, During this Covid crisis, [ADMINISTRATOR] has chosen to keep the RLSD in the 1950's way of conducting education. What I mean is that the district had a "golden opportunity" to test drive new technology and methods of delivering that technology but failed to take the opportunity to do so and as a result will lag behind other districts that have utilized the situation to their advantage and test their technology. My final

thoughts are of why continue to spend more money on technology when our superintendent and school board are unwilling to change with the times.

- There are many aspects of technology that are impactful to teaching and learning, but I believe we need to have more education about how to use it. For example, middle students have access to many things on their iPads. We need to build an elective that addresses the appropriate use of technology and the ramifications missteps can have. Also, we need to find a middle ground for how much screen time is appropriate each day, especially with our younger students.
- We need to do a better job orientating students to their device and peripherals, how to maintain and troubleshoot them, and their obligations of usage. Emphasize basic tasks over brand products (word processing, spreadsheets, presentation, media, etc) which are essential no matter what device they use, nor environment (Office, Apple, Google, etc) they find themselves in.
- We use it daily. It is helpful, but there are times where paper and pencil is more effective.

High School Staff

- A district, all-encompassing LMS would be beneficial to all.
- I feel all staff should be using the same technology resources,
- I feel that although this is generalizing a bit it is the reality for most in our district. Most teachers are using technology at substitution because they have not made the true pedagogical shift to student centered and /or student directed classrooms. Also, we have not made the shift in assessments to go beyond memorizing and regurgitate information to truly asking students to demonstrate their learning.
- I had a hard time agreeing or disagreeing with most of these statements because of the variability in each classroom. These technology tools can be used effectively, but they can also be used poorly. Having one more tool in my educational toolbox is helpful, but the tool is only as effective as the person using it.
- I was very excited to start using all of the new technology prior to the pandemic. Once the pandemic hit us I could not imagine having tart without this. I feel extremely grateful to have the tools that we do as opposed to many other districts that struggled without it. We are very fortunate.
- It is great when it works
- It was quite challenging at first but I welcome it now and it has taught me a lot as a teacher and has given me a lot of avenues that I can provide for my students. I can reach those students who are not able to come to school for one reason or another while before they would be behind for days at a time.
- Struggle with students "finding answers" online and not actually developing thoughts
- Technology alone is not a magic fix for all educational problems. It is a tremendous tool to aid teachers and students in various learning circumstances. It can also be a very effective tool for student misbehavior(cheating, bullying, etc), especially if left unchecked.
- The answers submitted reflects the subject matter that I teach. I realize there is not a one-size-fits-all answer to these questions.
- The Parents, Teachers, Counselors, and Coaches, etc. will shape their development - the Technology is a tool to enhance
- We should continue to explore how technology can benefit our students all the time, as technology changes all the time. It's critical in how we educate our kids. Our kids also love technology, so fighting against it is a Sisyphean task.
- we want macbooks back please !! :(
- I think that we often get a focus on using the technology, without really digging into when/how it can be most effective-- it can sometimes feel like "bells and whistles", which have their own merits (yay gamified formative assessment!), but sometimes it can feel hollow. Digging in to use the technology is also so overwhelming-- to find those really good resources you have to do a TON of outside work, or give up your planning period to meet with a tech coach. Even though there are AWESOME ways to integrate technology into the classroom, it can feel like such an overwhelming prospect at times, on top of all the other responsibilities.

Central Office Staff

- I feel technology, when used correctly, can be a great benefit to the teaching/learning process but cannot replace face to face contact with a highly skilled teacher. It's a tool, like many other tools we use in the classroom on a daily basis. It can be used productively and also not so. We are on a continuum in Revere as to the use of technology so that it truly does enhance the teaching and learning process.
- Just a shout out to [STAFF MEMBER], the best [POSITION] in the state & beyond....

Richfield Parents

- A healthy balance is the key to just about everything. I'm cool with technology, to an extent... because the evil that lurks isn't far behind. In this day, it's good to be tech savvy- but it's necessary to be trained (children AND parents alike) on how to avoid the downfall side of it.
- I believe the current balance is good. As really, our kids get too much screen time already. But tools that allow for some adaptive learning like Edmentum and/or tools. And tools that make boring things like math facts fun (xtra math is not very good) are always welcome!
- I do think there are many positives of using technology and I do believe that Revere has implemented in a very effective way. I do worry that technology is replacing a lot of worksheets etc and despite setting up good defenses I worry about what can still come through. I know that this is a direction things are taking but I still very much value the paper and pencil and textbook learning. I worry about all the time kids spend looking at a screen and how that affects our ability to limit screen time.
- I feel the technology being used and the amount of time it is used is appropriate for my children, grade K, 1, 3. I will let the teachers decide if it is helpful to change the amount of time it is used.
- I like the use of iPads and tech but also think students benefit from using textbooks/workbooks and hands on time in the classroom
- I think having access to technology is good but I find that I am often disappointed to hear class time is taken doing things on the iPad that I feel should be more extra practice type activities outside of regular instruction.
- I think parents need to receive a guide to help encourage online learning for outside of school.
- I'm incredibly impressed with how Revere has embraced technology and that we're a 1:1 district. Parents I think would greatly benefit from a lesson on how to navigate Google classroom and what the expectations of their child are when entering a new grade level. Will it be consistent with all teachers on HOW they want the students to mark assignments as complete or turned in? I've found a lot of inconsistencies on what teachers expect and it's not often communicated to the parents, so we don't know how to check on our kids to make sure assignments are properly turned in on time (this was most prevalent during last March-May when everyone was at home learning). Thank you!
- Technology has its place and can be a wonderful diverse tool, but I think we run the risk of the slippery slope away from interpersonal interactions and the physical exploration of our world and creativity. For example, there is a big difference in using a music software program or app and actually PLAYING the physical instrument for example. Also nothing replaces in person instruction, learning and team projects. Communication is NOT made better by the use of technology I believe and I feel that we've hit a saturation with it and backing off a bit wouldn't hurt. My kids can use it and are comfortable with it (humans are quite plastic), but what they need is to know how to interact socially with other humans, what to do with themselves when a screen isn't available and how to research a topic without a computer.
- Technology is a good resource and addition to help with the learning process and the ever changing educational environment
- Technology is important as almost all jobs until the future will require its use. However, it is crucial to develop social and team skills outside of technology so our children learn to be empathetic and team-oriented.
- Technology is wonderful when used appropriately in the classroom for the purpose of learning.

Students should not but using technology in school during down time that is not education based. Specifically at the elementary level.

My children have had access to YouTube during school hours and watched non-educational videos. Videos that we have restricted access to or avoided in our home.

- Technology isn't going away so it's important to teach students how to use it and interact with it at an age appropriate level.
- Technology should be used as a supplement to good instruction rather than a replacement. While technology can be used as a tool for teaching values like responsibility and collaboration, it is up to the people in a child's life to instill these values. Technology can sometimes offer instant feedback, but it is often not quality feedback that students need to learn. Online textbooks can quickly frustrate students when they are not getting good feedback and the program only allows for specific answers. In an academic environment, technology is best used for creation and application. Students must also learn how to use technology responsibly and not rely on it as a crutch. Moderation is best so students can function in a variety of environments and cultural contexts.
- Technology would be beneficial as an extra supplement tool but not a replacement for physical pen and paper with teachers and classmates in person. Studies have shown that dependence on technology creates negative learning environment particularly in the areas of collaboration, critical thinking, and consensus building.
- The district has done a great job with technology during the pandemic for my child being an online student this year. Thank you
- I think the Revere teachers (at all levels) are doing a great job of incorporating technology into their instructional practices while still providing direct instruction to the students. It's a good balance.
- While I appreciate the technological knowledge they are gaining, I am concerned about the amount of screen time my children have for school, less face-to-face time with teachers, the decreased communication skills, the decrease in handwriting and critical thinking skills. I am grateful for the Ipads, for what skills they are gaining and the ability of the district to adapt to the need for quarantine last year, but I wish I had more control over what they had access to, and that all their assignments were not tied to the screen.
- All things in moderation, technology included. Students need to learn how to make technology work for them, however they're not being taught how to focus and limit distraction in a digital world.

As a parent, I'm also concerned that the school provided devices have limited parental controls with inadequate reporting and settings that parents can use to manage time and monitor activity.

- Balance! Digital text books are great, but research says our students NEED to write out notes and other expression to improve retention of knowledge. Focus on BALANCE and not replacement of physical materials.
- I like having technology available to enhance learning. But the latest app or hardware cannot solve every learning problem. I think of technology as the spice in the recipe of education, not the main ingredient.
- I think technology is important to learning, but it is important that there is balance in the curriculum. I do not like my children being glued to their screens all day.
- Please make sure my children are putting pen to paper in math and language arts. Autocorrect spelling is being too relied upon. Please properly teach typing.
- I really appreciate the work your district is doing to improve the knowledge of student.
- Appreciate the carefully selected apps being used in school specific to reading and history lessons.
- Because my children are curious and have an above average reading ability they have accessed a higher level of program or app on their iPads. I have had to explain why drugs are bad to my 1st and 2nd graders because they saw a brain pop video. I am concerned that innocent curiosity can sometimes expose them to content they are a little young for. I wish there was a way to lock them out of apps or a way for the apps to block content based on grade level rather than reading abilities. I do however think that the Richfield elementary teachers and administration have provided my children a fantastic education

using the technology we have during this pandemic. My children are thriving academically because of their efforts.

- Curious at to why they watch movies during lunch - seems excessive
- Digital at home learning is not nearly as effective as being in school.
- Given this uncertain time with COVID-19 pandemic, technology has helped students continue to be educated via on-line learning. However, in my opinion, in person learning and hands on teacher instruction is more beneficial. Technology is useful to practice what is taught during the day (i.e. xtramath, edmentum, razkids), but it should not replace teacher instruction in critical areas (Math, Foundations, Reading, etc.) Computer literacy is extremely important, but students should continue to utilize text books and group learning. Relying solely on technology limits the development of critical skills (communication, social, etc.)
- I believe in limiting screen use in our home but I have been happy with the exposure to technology that my children have received with Revere school. It does feel like a necessary skill for them to learn (navigating online searches and typing) but I do not think we should ONLY use technology as a means of education. Ideally, reading physical books and writing on physical paper would be taught in tandem with exposure to technology. One would not cancel out the other.
- I believe technology is an important part of the learning experience, but should be limited to a portion of their day. In person communication and manual instruction techniques are also very important to ensure a multitude of everyday skills.
- I do not have concerns at this time with how technology is being used at Revere
- I feel like the kindergarten teachers use the iPads as a babysitter and don't instruct with the tablet. Technology is needed in today's world but K-3rd grade is probably too early to use it in the classroom
- I feel the younger children should not use that much technology in school. Their time should be very limited and it should not be used for free time or inside recess. Younger children need to learn how to interact with their peers. Richfield elementary students do not need an individual iPad to bring home daily.
- I have a love/hate relationship with technology. The kids need it and need to understand it to succeed in the world, but it can take over when not used for the appropriate reasons (i.e. games, social media, etc.)
- I love that Revere is able to use technology to aid in learning, but I'm concerned that the younger grades are using it more and more. We are constantly hearing how bad 'screen' time is for young, developing brains, yet we are seeing the use of devices increase significantly.
- I see technology as a tool- one of many tools that need used to deliver a comprehensive education. Technology isn't going away and kids need to learn how to navigate responsibility and effectively. I think most concerns are when there is too much emphasis on technology over more traditional tools- there needs to be a healthy blend. I also think it needs to be age appropriate with more emphasis with older grades vs younger grades. We also can't forget about building skills that are better fostered with real interaction vs through a screen. Sometimes it also depends on the child too- how do they best learn?
- I think K-5 is too young for the devices. There should be more hands on teaching. But maybe including some keyboard learning so they are familiar. But to give a little kid a device in K-2 is just games and less instruction and social skills. I think it's appropriate to give each kid an iPad in 5-6th.

Even during remote learning Revere 1st grade did a great job with the lessons and emailed their work for the week and did YouTube videos. We didn't do a lot of Seesaw or on the iPads. I just thought it was kind of a waste of money and not a healthy thing for the kids under the age of 10-12.

- If it is possible to set restrictions on the content that the children view (i.e. on YouTube and the internet) I would feel much better about the use of iPads. I am concerned the children are freely using these devices during lunch/prior to school and potentially and actively viewing and sharing information that is not age appropriate. As an adult it is easy to accidentally type something into a search bar and end up on a website that is not appropriate. As a child, I believe it is even easier to accidentally end up viewing a site you did not intend to view. As great as technology is, it does need to be monitored. We have personally had to have some unsettling conversations this year due to content being shared by other students in the

classroom on the iPads. We do love Revere Schools and want to thank you for the opportunity to voice our opinions!

- Instead of focusing on technology at the primary level, our belief is students should be problem solving with committees and small groups. Old trail does a fabulous job of guiding their classes through interests and having the kids work together. Maybe someone has a wonder about underwater animals and the whole class can participate in learning more through committee work. Ex. midnight zone, twilight zone, etc committee. Using technology only to help research not the main focus of the investigation. Would love to see more group work for human connection and problem solving. Often times children are looking at other things on the internet during their time on an iPad rather than the task at hand. Teachers need more control to see who is off task.
- My household does not agree with technology for students at all. We do not have internet and never intend to utilize the tech.
- My son can view homework assigned on the iPad as kind of a game. He takes it less seriously than pencil-and-paper homework. However, when combined with in-person and personal instruction, it really enhances his learning.
- Remote learning has exceeding expectations this year, and would not be possible without the fantastic Revere staff and the critical technology available.
- Revere is doing a great job!
- Revere takes a balanced approach of technology in the classroom. Great that our children have access at a young age. Happy with the current program.
- Technology is important but kids need to talk and interact with each other without a device. Our society relies way too much on technology rather than actually listening to each other. Smartphones and reliance on social media are the source of some of the main issues with our society. I do not want my child only learning on an iPad. He needs to talk and express his ideas out loud or on paper. Developing communication skills is imperative for his age group.
- Technology should be used sparingly in the classroom until grade 7.
- While I believe technology plays an important role in education and happy for the one-on-one technology, I certainly hope it doesn't ever replace children learning from an actual teacher. Also, as an educator myself, there is something to be said for "hands-on" activities, which I believe are just as important for children when learning a new concept. Additionally, while I limit my boys' screen time at home, I firmly believe it's unhealthy for any child to be staring at a computer screen continuously for more than an hour or two each day.
- While we do see the value in teaching/learning technology at school, I would have appreciated some one asking our permission for our son to have such an expensive and infinite tool to "keep" as his own before telling him that it is alright to use at home. This took away from our parenting and wishes for our young child. Using at school is one thing however bringing it home each night and being responsible for such a thing at 6 years old is absolutely unacceptable. Not to mention this device adds a lot of weight to a small persons back back each and every day! This ipad / technology can be dangerous to a young person developmentally and also extremely addicting. I do not appreciate the school over stepping its boundaries and allowing (actually requiring) this to come home every single day!

Thank you for your concern and care to this matter.

Bath Parents

- Critical thinking does not come from technology, it comes from real experience.

It is also very damaging for the eyes to stare at the screen for an extended amount of time. Children need more interaction, movement, conversation with others but not with the AI, only with mankind. There is nothing like human contact.

Ps I'm not old fashioned, I just dislike this agenda that is pushed on us without our consent.

- Bath Elementary offers or suggest available learning programs that support my child's academic success. She doesn't use the school's technology resources at home for any other recreation - only for assigned homework. The activities she's been impressed with have included math, social studies, music, science and art. She is 4th grade.
- I am very thankful that Revere made significant investments in technology and was set up to utilize this in the classroom and learning environment effectively prior to the pandemic. This allowed for a feasible distance learning option. My child understands technology and has had to make adjustments for distance learning this year but I feel that my child's teachers have done a wonderful job of holding as normal of a class session as possible. My child's teachers engage the children in individual instruction as well as allow for group activities in the Zoom classrooms during the school day. I am also impressed that the teacher have been able to continue (as best as possible) with their activities in some manner to help keep consistency. For instance, I am thankful that something like gym class still continues through distance learning. I feel that my child has been able to foster a different kind of independence and that my child's teachers have been very willing and able to support his distance learning class appropriately.
- I have a younger child (3rd grade). My main concerns around technology is that he uses so much technology. I feel as though it's very difficult to get him off of devices. I also have concerns as to whether or not he is developing proper handwriting skills.
- I hope with new technology kids still get to experience both all the great online tools but most importantly keep the art learning from a teacher in the classroom. That is why kids go to in person class. I hope kids will still have one to one and learn with real teachers instead of an avatar instructor.
- I understand the need for technology for our students. I struggle when my 8 year old has trouble navigating google slides as he attempts to complete math information on slides. It's not easy to navigate on the slides for young students so they spend a lot of time trying to use the slides and less time solving the math problem/activity. His time would be better spent solving math problems on paper instead of trying to do two step math problems in his head & then frustrated trying to add info to a slide. I'm not sure he actually recalls the math lesson- he's trying to get info into the text boxes correctly.
- I wish spelling was still an important subject. I feel that my child struggles because they rely on iPad autocorrect.
- I'm not a fan of using iPads in my children's K-12 education. I think it nurtures an already unhealthy relationship to technology that is causing dramatic increases in teenage suicide. Kids are failing miserably at real human connection because technology further removes them from very human acts like writing with a pen/pencil, speaking to one another, or actually doing things (rather than watching videos of others doing things). Kids need more reality and less virtual reality in their lives. There are countless examples, research studies, and scores of tech innovators who agree and do not let their children use tech AT ALL. I would fully support the "near" complete removal of iPads in the classroom.
- Leave iPads at school
- My child is only in 3rd grade so I'm not overly exposed to the curriculum. I think the education is adequate for this age group. I do worry about the ability for kids to connect face to face. I know it's a totally different time in the world, but wanted to mention it for ongoing education during normal times.
- My children are both part of the online learning program. While one teacher does a great job of following up and supporting one child, the other has taken a very hands off approach. ZERO follow up. My child could be missing 100 assignments and failing and she would not bother to reach out or even answer her emails until days later. What I am seeing is teaching that relies on videos instead of actually interacting with the kids. Technology is fine if it isn't all the teacher is relying on. In the in-person classes last year, my child was encouraged to spend time on a device at the end of class during free time - instead of encouraging kids to read books. I find that disheartening.
- Over the past few years it seems that the teachers are not teaching. YouTube videos are the new teacher. Kids are unsocial, unfriendly, and can't read or write. Revere has put too much emphasis on electronics and not enough on actual education.

- Technology has crippled children. They no longer read to gain knowledge. Instead they Google everything without any independent thought. We have created students who are incapable of doing actual research. They rely on others and copy that person's information, be it credible or not. Plus, nothing is 100% hack-free. Games are always open in the background while kids are "learning."
- There is some filtering, but do you filter for words if kids are looking up how to harm themselves? If they are accessing social media on these devices? Other districts have trainings for parents on code words kids use and how kids can be safe online. This is critical. There is a lack of spelling tests in the elementary grades (not every teacher uses them) and then our kids are using voice to text so they never learn how to spell these words. Some games the teachers have the kids do are more about the game than learning anything worthwhile. Some games are okay but not all.
- We struggle checking work and holding our child accountable after school in the evenings because everything he does in class is assigned on his iPad, once submitted it cannot be changed unless the teacher reassigns it. We have worked with the teachers to have him not submit work without reviewing it however I have found that the quality of work done on an iPad is less than we would expect if it was on paper.
- A healthy balance is the key to just about everything. I'm cool with technology, to an extent... because the evil that lurks isn't far behind. In this day, it's good to be tech savvy- but it's necessary to be trained (children AND parents alike) on how to avoid the downfall side of it.
- I believe the current balance is good. As really, our kids get too much screen time already. But tools that allow for some adaptive learning like Edmentum and/or tools. And tools that make boring things like math facts fun (xtra math is not very good) are always welcome!
- I do think there are many positives of using technology and I do believe that Revere has implemented in a very effective way. I do worry that technology is replacing a lot of worksheets etc and despite setting up good defenses I worry about what can still come through. I know that this is a direction things are taking but I still very much value the paper and pencil and textbook learning. I worry about all the time kids spend looking at a screen and how that affects our ability to limit screen time.
- I feel the technology being used and the amount of time it is used is appropriate for my children, grade K, 1, 3. I will let the teachers decide if it is helpful to change the amount of time it is used.
- I like the use of iPads and tech but also think students benefit from using textbooks/workbooks and hands on time in the classroom
- I think having access to technology is good but I find that I am often disappointed to hear class time is taken doing things on the iPad that I feel should be more extra practice type activities outside of regular instruction.
- I think parents need to receive a guide to help encourage online learning for outside of school.
- I'm incredibly impressed with how Revere has embraced technology and that we're a 1:1 district. Parents I think would greatly benefit from a lesson on how to navigate Google classroom and what the expectations of their child are when entering a new grade level. Will it be consistent with all teachers on HOW they want the students to mark assignments as complete or turned in? I've found a lot of inconsistencies on what teachers expect and it's not often communicated to the parents, so we don't know how to check on our kids to make sure assignments are properly turned in on time (this was most prevalent during last March-May when everyone was at home learning). Thank you!
- Technology has its place and can be a wonderful diverse tool, but I think we run the risk of the slippery slope away from interpersonal interactions and the physical exploration of our world and creativity. For example, there is a big difference in using a music software program or app and actually PLAYING the physical instrument for example. Also nothing replaces in person instruction, learning and team projects. Communication is NOT made better by the use of technology I believe and I feel that we've hit a saturation with it and backing off a bit wouldn't hurt. My kids can use it and are comfortable with it (humans are quite plastic), but what they need is to know how to interact socially with other humans, what to do with themselves when a screen isn't available and how to research a topic without a computer.
- Technology is a good resource and addition to help with the learning process and the ever changing educational environment

- Technology is important as almost all jobs until will future will require its use. However, it is crucial to develop social and team skills outside of technology so our children learn to be empathetic and team-oriented.
- Technology is wonderful when used appropriately in the classroom for the purpose of learning.

Students should not but using technology in school during down time that is not education based. Specifically at the elementary level.

My children have had access to YouTube during school hours and watched non-educational videos. Videos that we have restricted access to or avoided in our home.

- Technology isn't going away so it's important to teach students how to use it and interact with it at an age appropriate level.
- Technology should be used as a supplement to good instruction rather than a replacement. While technology can be used as a tool for teaching values like responsibility and collaboration, it is up to the people in a child's life to instill these values. Technology can sometimes offer instant feedback, but it is often not quality feedback that students need to learn. Online textbooks can quickly frustrate students when they are not getting good feedback and the program only allows for specific answers. In an academic environment, technology is best used for creation and application. Students must also learn how to use technology responsibly and not rely on it as a crutch. Moderation is best so students can function in a variety of environments and cultural contexts.
- Technology would be beneficial as an extra supplement tool but not a replacement for physical pen and paper with teachers and classmates in person. Studies have shown that dependence on technology creates negative learning environment particularly in the areas of collaboration, critical thinking, and consensus building.
- The district has done a great job with technology during the pandemic for my child being an online student this year. Thank you
- Children do not spell, write or read with technology!!!! Auto correct fixes words for them. Students do not know how to write anything on paper. Students do not read either. They need to know how to sound out words. Technology makes school way too easy and less 'base' learning.

There needs to be hand written lessons and spelling lists, like it use to be.

- I believe kids should be able take tests on paper and not on line. Kids spend too much time in front of computers and loose focus. Kids like to be engaged in stories and learning in person. The computer should not be the focus of learning. I am not saying to take it away but so many people can' communicate anymore. Walk into a restaurant and watch a family, everyone has their phones out or typing on a lab top. These are not skills to help get jobs or function in society.
- I recently discovered that my high schooler has very little computer literacy skills when she has to use a real computer rather than an iPad to do work. She had no idea how to work the basic commands or establish appropriate path to save her work on a computer. This is concerning. We don't want the next generation of citizens to only know how to tap, tap, tap on a device; they need to know how to work on a variety of devices.
- I'd love to see the kids learning how to extract data from resources to make informed decisions, or build reports with data from surveys. This would be a life skill needed in many jobs. I think our kids do still need use paper/pencil for tasks as well. And provide live presentations in class to prepare them for public speaking or speaking with colleagues, future bosses. I'd also love to still see cursive writing taught.
- Some children learn better without the use of technology. I do feel my son in encouraged to use "too much" technology (while some is good, I feel it can be used too much.) STudents need access to hard copies sometimes as well, if not to practice, as an alternative or supplement to the digital content. I am not worried about my sons access to inappropriate material online, I am worried about their friends accessing and/or sending/showing them inappropriate materials. Cyberbullying is a concern.

- Technology in education is here to stay for better or worse. I think the task of educators and parents is to help young people navigate it as to harness the positive and reduce the negative.
- Technology is key to the future of learning. Use technology and its various platform to enhance student's learning. Technology should not be pushed aside just because its new. Revere is better off embracing it fully rather than doing a partial adoption.
- I do totally support having some aspects digital learning and an increased use of technology as tools in the classroom. However I also think kids are losing the ability to have tests returned to them for intensive review so they can see what they've done wrong for the purpose of making sure they master the material. It seems like that is more challenging to do in a fully digital environment and is not consistently happening. I'd like to see this improve.
- I have three children, one who loves technology but is a big distraction because he is constantly looking up other things, chatting, playing games. My daughter does terrible with technology she is a better paper pencil learner and on board instruction. My youngest does fine either way.
- In the high school some teachers are moving toward recording themselves and having students watch those videos during in person instruction. I think that teachers should teach live and in person and leave the prerecorded material for on line learners, students in quarantine, and for days when there is a sub. My child needs interactive teaching which is why we chose the in person option.

In the elementary school, teachers should use paper pencil tests especially in math.

- Technology can be a useful tool, but it doesn't replace the entire toolbox.
- Thank you for the survey!
- Time spent on electronic devices needs to be weighed with the outcomes being achieved. Provided learning is achieved, the time can be very meaningful, especially if it allows the same material/lesson to be presented via various modalities to assure every student is able to thoroughly understand the material through their respective learning styles. For instance, one may choose to read the material, another learn the same material through an ED Puzzle, etc. Students would also benefit from material being introduced via technology and then discussed, or reaffirmed through teacher interaction, rather than the teacher introducing the material for the first time and technology reaffirming the lesson. The largest difficulty we have experienced this year has been the teachers lack of patience and technological savyness. I hear my students often helping the teacher with the technology. The other hurdle that has been very frustrating is hearing the virtual learning students constantly being compared to the brick and mortar students. Each child should be allowed to learn independently. Technology should afford the teachers the ability to present the same lesson in various learning styles that the student can select from to meet their personal needs. The test will confirm that they have mastered the information. Based on repeating this point twice, I think you can see that I/we feel very strongly that this is a huge opportunity that the current situation has afforded us - let's take advantage of it.
- I think the Revere teachers (at all levels) are doing a great job of incorporating technology into their instructional practices while still providing direct instruction to the students. It's a good balance.
- While I appreciate the technological knowledge they are gaining, I am concerned about the amount of screen time my children have for school, less face-to-face time with teachers, the decreased communication skills, the decrease in handwriting and critical thinking skills. I am grateful for the Ipads, for what skills they are gaining and the ability of the district to adapt to the need for quarantine last year, but I wish I had more control over what they had access to, and that all their assignments were not tied to the screen.
- All text books and assignments should be accessible online in well formatted forms. Students should no longer need handouts or text books to do their work.
- I am a tech junkie myself. While I do think my kids spend too much time on screens, I do believe that technology is vital for their future. I don't know how to reduce screen time while learning though.
- I appreciate the significant investment Revere has made in providing every student with a school-issued iPad, and I recognize many benefits to its use and integration as a tool to enhance learning. I strongly

encourage Revere administration and faculty to consider having the iPads for students in 5th grade and below stay at school in the evening and on weekends.

- I do think incorporating technology into the student's curriculum is important, but still have balance of other types of learning and hands on activities for well rounded kids. I wish there was more consistency among teachers how technology was used. That's been the most frustrating transition
- I realize this is COVID driven, but having access to the iPad all of the time has only exacerbated the time spent on a screen issue. It has become a battle as the kids will spend hours on their iPads under the guise of doing schoolwork, only to access sites I don't allow on their personal devices, like YouTube. Also, the security issue of having students add passcodes or fingerprint security to their devices makes it very hard for me to access their school device to see what they are doing.
- I really do not care for all the screen time. I have also found that many assignments are more difficult to complete using technology rather than paper and pencil. I understand the need for it now but I would like to see less reliance on the screen once COVID is no longer a concern.
- I think teachers can use technology more than they currently do to help the students. More consistency with teachers, some use the technology and post things better than others.
- I would like there to be some way for parents to easily navigate our child's learning goals, Like a Digital Whiteboard for parents where the assignments and chapters that our child is currently working on can be looked at and reviewed from our desktop. Many times this year I have been left with asking my child what they are working on and where are their study materials
- It has been an advantage to have the technology needed for digital learning during the pandemic but otherwise I do not feel that having technology available for each student is necessary for them to learn important skills.
- One frustration that I have noticed as our district has become more reliant on iPads for most schoolwork is that direct feedback for items missed on digital assignments is not always given or evident. If teachers are using digital assignments to complete work, I as a parent should be able to sign in and see corrections and comments regarding items missed so that I can give corrective feedback to my child. For my third grader especially, I usually see a total grade, but have no idea what problems she missed to merit that grade. Teachers at the middle school seem to do a better job with leaving comments in Google Classroom explaining how a score was earned. I need to be able to see what my child is missing just like I would be able to see corrections on a hardcopy worksheet that comes home in her backpack.
- Students should not be able to switch to apps not related to the current class. Else that's a huge distraction.
- Technology can be good, but it does not replace good teaching. I am a parent, but I also work in a school. The students are tired of using technology all of the time. It is important to teach students how to work together. So many students do not know how to talk to each other or solve problems with other students. Technology has replaced the much needed social interaction that is critical for a child's development. Some technology is important, but nothing is better for children than being able to interact with each other. This will be especially important next year.
- Technology has its benefits but it's not everything. There should be direct instruction along with the use of technology
- Technology is a great tool to compliment learning. I do not look at it as a replacement to teachers or as the primary mechanism for learning but as a "tool in the toolbox" that teachers can use. Technology is used in almost every career path and learning how to best utilize technology early will enhance the students skills for the future.
- Technology is a wonderful tool but cannot and should not replace social interaction that kids require amongst themselves. It also cannot replace a teachers hands on approach that is required. Technology should be used as a tool. Not a crutch.
- Technology is not a substitute for teaching. From what I have seen, technology is heavily relied upon for self-teaching of a topic, regardless of in-person or virtual learning.
- Up until this past year, students of all levels, were not exposed to the degree of technology- based learning, as they are today - it was a sink or swim scenario. As for the teachers and staff this had to have

been a 180 degree, wrench in the spokes, very trying time. I for one, am of the more traditional learning model with hands-on books, writing on lined paper, smart board/chalk boards, direct communication with students - one human to another. Students are asked to type on a keyboard - yet they haven't formally been taught how to properly do that. The teachers shouldn't have to juggle so many technical formats - I feel they're spread too thin and ultimately less effective for the students. Does this day and age call for the better use of technology? Yes. However maybe a 30/70 percent ratio, where the traditional learning model is paramount.

- While I enjoy the ease and access that students have in using technology for classes and class work, there is a bit too much flexibility for each teacher when it comes to posting assignments and due dates. IMO, if a more technology driven curriculum will be followed in the future, it would benefit both students and parents if teachers had one standard location to post assignments and grades. And one standard expectation for graded items to be posted. Not everyone uses Progressbook or google classroom the same way. Not to mention all of the other apps available on the devices. It's frustrating trying to remember where to go to find thing. Especially if you have multiple children in different schools. Streamline and simplify.
- All things in moderation, technology included. Students need to learn how to make technology work for them, however they're not being taught how to focus and limit distraction in a digital world.

As a parent, I'm also concerned that the school provided devices have limited parental controls with inadequate reporting and settings that parents can use to manage time and monitor activity.

- Balance! Digital text books are great, but research says our students NEED to write out notes and other expression to improve retention of knowledge. Focus on BALANCE and not replacement of physical materials.
- I like having technology available to enhance learning. But the latest app or hardware cannot solve every learning problem. I think of technology as the spice in the recipe of education, not the main ingredient.
- I think technology is important to learning, but it is important that there is balance in the curriculum. I do not like my children being glued to their screens all day.
- Please make sure my children are putting pen to paper in math and language arts. Autocorrect spelling is being too relied upon. Please properly teach typing.

Middle School Parents

- As secondary education teacher for over 20 years, I believe that technology can be an amazing tool if the teachers use it correctly. Technology itself is worthless if it is not utilized correctly.
- I am concerned that sometimes teachers may use learning apps as a convenient substitute for direct involvement with students, and students' individual needs might be overlooked. Also, it seems that because computers make so many tasks so easy, students are not developing thinking important skills, instead letting technology do the "thinking" for them.
- I find it unacceptable that my RHS student regularly watches lessons in the classroom on an iPad while the teacher who recorded the lessons is also sitting in the classroom doing something that isn't necessarily related to the room of students.
- I have a special needs kiddo and sometimes printed papers and text books work better for him.
- I have been really impressed by the skills and abilities of the kids to use technology and adapt to learning in whatever environment needed because of access to technology. However when only technology is used as the place of a teacher and or hands on or group discussion is lost, a piece of the learning process is lost as well. Overall, we have been very happy with the access to technology and how it is used.
- I love what Revere has done over the past several years in regards to the iMac, Chromebooks and tablets. Keep up the great work!

- I think it's a tool to help learn. But, I think sometimes being able to write something down is a better way for learning. Not everyone thinks the same. I am concerned that some teachers use technology to teach, and not just help add context to what they are teaching. Technology matters. But I do not see it helping with interaction with other students. Although that's tough today, I wouldn't want the students buried in an iPad all day long, every day, a year from now when the pandemic is over.

Thank you for sending this survey.

- I think some teachers are no longer teaching. I also see very little adapting to help kids who are struggling
- I'm disappointed that Revere isn't using a concurrent learning model with students during the pandemic and pushed students to be either all in or all online. Districts who are struggling and more diverse have implemented it. Not sure why Revere didn't. It is workable since teachers have received training on technology in Revere more than teachers in less fortunate districts who have made it work. Might have helped with mental issues for some students who wanted live teachers but can't be in school due to the pandemic and high risk family members. It would have also provided an "in house" solution as opposed to outsourcing which could have the potential to grow and keep students in the district under similar non-Covid situations.
- It would be nice to get textbooks back in the hands of our MS and HS students. The teachers should be presenting and teaching the curriculum. Technology is NOT a substitute for the teacher and/or presenting the material. Technology should be SUPPLEMENTAL!!!

Also, high school students should have the option to take a typing class. If they do not have formal typing education, they will be hunting and pecking for life! It's an important skill to learn and be taught. Bring it back please-and taught by a real live teacher.

- My children all prefer use of the MacBooks in school instead of the iPads. They all feel they are easier and more efficient to navigate.
- My kids have said many times that the iPads are not very useful. They would rather have the MacBooks.
- Revere must figure out a single platform for allowing parents to see the student's grades AND assignments. Ever since google classroom began being used I've lost insight into my children's homework and tests..The teacher have dropped using Progressbook for everything but grades. It leaves me blind as I don't have a way to see what's in Google Classroom. I'm not a helicopter parent. I do have a child that is seriously scattered and needs help. You - Revere Schools - have taken that from me.
- Switching the older students from Macs to Ipads has limited activities my children can do with their provided technology. This may be incorrect, but according to my 3 kids, the rationale for switching to Ipads was to allow the math courses to use the Ipads during class. My kids have not used their Ipads in class in any of their math courses. Again, I know that there could be additional factors that led to the product switch - but this is what I was shared consistently by each child.

I would recommend allowing the older students use of Macs instead of Ipads.

- Technology can be amazing and can help make things more efficient. However, technology can be a time consumer and waster, and the student nor the teacher accomplishes anything. For some students and teachers, technology makes them lazy. I also don't think technology improves decision making skills. I actually think that technology degrades decision making skills and destroys communication skills.

Technology is useful and can be helpful but it is not everything. It is a tool to assist in learning, it should not be all there is to learning.

- Technology should not be the only tool in educating children. With the current changes in that area, I am trying to limit what content my children read. It has become too political.
- There are too many separate ways to turn things in. Some is through Google classroom, then others want emailed assignments and others are submitted through different sites altogether. In addition, each assignment results in an email which I feel can be overwhelming. Especially when emails and assignments can come through outside of school hours, this is a double edge sword. Our students don't

necessarily have a break or escape from school in this situation. My students feel pressured and overwhelmed by the constant emails and notifications of assignments that occur over weekends and after school hours. There is no end of the school day.

- I do totally support having some aspects digital learning and an increased use of technology as tools in the classroom. However I also think kids are losing the ability to have tests returned to them for intensive review so they can see what they've done wrong for the purpose of making sure they master the material. It seems like that is more challenging to do in a fully digital environment and is not consistently happening. I'd like to see this improve.
- I have three children, one who loves technology but is a big distraction because he is constantly looking up other things, chatting, playing games. My daughter does terrible with technology she is a better paper pencil learner and on board instruction. My youngest does fine either way.
- In the high school some teachers are moving toward recording themselves and having students watch those videos during in person instruction. I think that teachers should teach live and in person and leave the prerecorded material for on line learners, students in quarantine, and for days when there is a sub. My child needs interactive teaching which is why we chose the in person option.

In the elementary school, teachers should use paper pencil tests especially in math.

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- Thank you for the survey!
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- I think the Revere teachers (at all levels) are doing a great job of incorporating technology into their instructional practices while still providing direct instruction to the students. It's a good balance.
- While I appreciate the technological knowledge they are gaining, I am concerned about the amount of screen time my children have for school, less face-to-face time with teachers, the decreased communication skills, the decrease in handwriting and critical thinking skills. I am grateful for the I pads, for what skills they are gaining and the ability of the district to adapt to the need for quarantine last year, but I wish I had more control over what they had access to, and that all their assignments were not tied to the screen.
- Be transparent of ideas and products being considered for parent input.
- good outcome, would help if cases were not that heavy
- I do think it's important for students to be able to use technology and I definitely see how it has added to their learning experience. It allows them to be in touch with both their teachers and their fellow students, and it allows them to work collaboratively so much more easily.

However, I do also see the value in both traditional teacher-led lectures and in face-to-face interactions between students and their classmates/teachers (minus iPads). I do believe that technology has resulted in some (maybe a lot) of kids becoming uncomfortable with normal (in-person) interactions, as they have

become used to just communicating with people via email, text, etc. I think this is hurtful for their socio-emotional development, and I worry about my own kids being unable to actually talk to people in real life. Of course this is not a problem caused by using technology in school, but I'm sure it has added to it.

All in all, I do appreciate Revere's commitment to bringing technology to the classroom, but I hope that the old-fashioned ways of learning will not fall by the wayside. It's my belief that, in some instances, putting pen to paper is more effective than anything you can do on an iPad.

I consulted with my kids while filling out this survey.

- I don't mind the use of technology in school but it would be better if it were more balanced with direct learning from teachers and activity/interactive based instruction. It would also help if teachers were more consistent across the board with how they post assignments. We often have to search in multiple locations for assignments, etc. Thanks for inquiring.
- I think chrome books would be better than ipads. Using an iPad to write a paper is difficult. However, I realize this would be a big expense to change over.
- I think technology and any form of homework should teach students how to use the tools to think and problem solve- not regurgitate back facts. Technology has removed the "necessity" to memorize battles of the civil war- for example. you can look that up now. Projects that have my daughter create a song using GarageBand is wonderful! Programs that made my daughter do 10 more math problems online every time she she got one wrong (had to get 10/10) was a nightmare. Learning

Technologies to pull and understand resources and information, analyze, draw reasonable conclusion, and present to others are what I want my kids to learn.

- It is a balance, I want my son to be proficient with technology, however I also want him to be able to function & interact with society on a human level and look beyond technology for resources and education. So much of what we find on technology has been filtered or directed, if you do not access multiple sources you are not seeing the whole picture.
- Literally impossible for parents to keep up with the methods taken by different teachers. Very hard for me to figure out where things are because of the different platforms. Where are all of the "take home papers" so I can take a look at my child's work? Do they even have to "show work" for 7th grade math when the assignment is to plug a number into a form and then it's right or wrong? It's incredibly frustrating to not feel up-to-date on things because it's all online! I want to see what my child is turning in - like maybe we can get emailed a copy or get parental access? I do not feel that technology is helping to individualize anything! Happy that my son can use an iPad and other things but it's not enhancing his knowledge - and definitely it's not enhancing his school experience or love to learn. And he has been full-time in school since the beginning. Conferences should be mandatory this year.
- My son hates the iPad he would love to have the apple notebooks back. Much better quality
- Revere uses technology to the exclusion of other methods of instruction. It seems everything is done online. While typing is a worthwhile skill, middle schools kids don't learn cursive writing and many don't know how to sign their names. Moreover, with the ipad coming home every day, parents are challenged with monitoring all the screen time without knowing if the student is doing homework, or is down the rabbit hole of the internet, or playing video games. Technology (in the form of ipads at home) is often a distraction. There are other sources of information and tools for developing critical thinking.
- Talking with my son and reviewing progress book, the use of technology and expectations can be inconsistent. I don't know that this is a problem, just an observation at this point. Some classes use this extensively, others very little at all. I think we are adapting and I am very proud of Revere's approach and level of communication. I know one teaching approach does not serve all learning styles, so that is a sensitive balance.
- Technology can and should be used to enhance learning, as the world continues to digitize. As the district relies more on technology, it may want to consider offering a class that teaches children of potential

pitfalls of a digital world (i.e. content published never goes away). Also, it might be helpful for online practice tests to have changing questions that help students learn the material, rather than memorize.

- Technology has been a great thing, especially when COVID hit. But, I am concerned that it holds back students from doing traditional things like writing. I think it might also result in some screen fatigue.

As a parent, it is hard with all the Google classrooms and the technology to keep up with what our kids are working on and should be working on. I do not have a syllabus or written work to review. When so much is on-line, it prevents the parent from taking a more active role in tracking work and helping at home.

- Technology is a great tool to assist with student learning but we must also implement kinesthetic learning and the application of material to real life experiences.
- Technology is necessary in learning, however, it should not be the primary mode of learning. Students have decreased fine motor and grip strength because of typing on the keyboard.
- The parents should be able to have more control of what information and websites and apps that their students can access from the school provided technology.
- All text books and assignments should be accessible online in well formatted forms. Students should no longer need handouts or text books to do their work.
- I am a tech junkie myself. While I do think my kids spend too much time on screens, I do believe that technology is vital for their future. I don't know how to reduce screen time while learning though.
- I appreciate the significant investment Revere has made in providing every student with a school-issued iPad, and I recognize many benefits to its use and integration as a tool to enhance learning. I strongly encourage Revere administration and faculty to consider having the iPads for students in 5th grade and below stay at school in the evening and on weekends.
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- Technology is a wonderful tool but cannot and should not replace social interaction that kids require amongst themselves. It also cannot replace a teachers hands on approach that is required. Technology should be used as a tool. Not a crutch.
- Technology is not a substitute for teaching. From what I have seen, technology is heavily relied upon for self-teaching of a topic, regardless of in-person or virtual learning.
- Up until this past year, students of all levels, were not exposed to the degree of technology- based learning, as they are today - it was a sink or swim scenario. As for the teachers and staff this had to have been a 180 degree, wrench in the spokes, very trying time. I for one, am of the more traditional learning model with hands-on books, writing on lined paper, smart board/chalk boards, direct communication with students - one human to another. Students are asked to type on a keyboard - yet they haven't formally been taught how to properly do that. The teachers shouldn't have to juggle so many technical formats - I feel they're spread too thin and ultimately less effective for the students. Does this day and age call for the better use of technology? Yes. However maybe a 30/70 percent ratio, where the traditional learning model is paramount.
- While I enjoy the ease and access that students have in using technology for classes and class work, there is a bit too much flexibility for each teacher when it comes to posting assignments and due dates. IMO, if a more technology driven curriculum will be followed in the future, it would benefit both students and parents if teachers had one standard location to post assignments and grades. And one standard expectation for graded items to be posted. Not everyone uses Progressbook or google classroom the same way. Not to mention all of the other apps available on the devices. It's frustrating trying to remember where to go to find thing. Especially if you have multiple children in different schools. Streamline and simplify.
- All things in moderation, technology included. Students need to learn how to make technology work for them, however they're not being taught how to focus and limit distraction in a digital world.

As a parent, I'm also concerned that the school provided devices have limited parental controls with inadequate reporting and settings that parents can use to manage time and monitor activity.

- Balance! Digital text books are great, but research says our students NEED to write out notes and other expression to improve retention of knowledge. Focus on BALANCE and not replacement of physical materials.
- I like having technology available to enhance learning. But the latest app or hardware cannot solve every learning problem. I think of technology as the spice in the recipe of education, not the main ingredient.
- I think technology is important to learning, but it is important that there is balance in the curriculum. I do not like my children being glued to their screens all day.
- Please make sure my children are putting pen to paper in math and language arts. Autocorrect spelling is being too relied upon. Please properly teach typing.
- I really appreciate the work your district is doing to improve the knowledge of student.

High School Parents

- Teachers still need to teach, don't think an iPad is the solution to today's problems. Students do need traditional methods and face time with teachers and classmates and not always a screen in front of them.
- A video of progress book Google classroom zoom and all the different platforms that the teachers use presented to the parents
- Excellent program. Would not change much.
- Feedback from my kids highlighted that they believed the MacBooks were a better solution and teachers have to wedge in the iPad at times.
- I actually believe my son has learned less having technology than if he didn't. He basically has Google his way through school much like other students. Technology is great but it's also a huge disadvantage. Especially with school and the pandemic, he has not learned much since last year this time. School might be focusing too much on pandemic and not actually on learning.
- I feel sometimes we are referring too much to technology and not using hands on face to face instruction where using a pencil and paper to practice abs work through a problem enhances learning. For example part of the studying process used to be making your own note cards and study sheets.... that was part of the learning. Now they just do a quizlet online. Doesn't work for all students.
- I haven't seen the investment of time and energy by the teachers and administrators to justify the expense of the hardware. We are relatively disappointed with the knowledge that our high school children have acquired around utilizing technology to learn, be organized and solve problems.
- I think it's great that Revere has a 1:1 technology initiative for the students, though I wish they had a real laptop instead of just the iPad plus. There are certainly times when good old-fashioned paper and pencil are superior and easier to use, and I would listen to the students more in this regard as to when this would be their preference. But in general, technology is definitely the way of the future and not going away, so it is highly beneficial for them to become comfortable with it at an early age and have it be a routine part of their education.
- I think the investments in technology that Revere has made is preparing my Son for college & future careers. Money well spent!!
- I've heard teachers are using previously recorded lessons to teach the class while being present in the classroom. Technology is a great tool however in person face to face learning is why we have teachers to begin with. I hope there little truth to what I have been told.
- If your going to have technology bring back the MacBooks. The students and teachers in the high school don't like the iPads. I'm saying this and my child would not even benefit because it is our last year at the high school.
- It would be of great benefit to have cameras in classrooms so that students who are quarantined can keep pace with their class and teachers. Often technology hinders my children's studying because doing homework exclusively online just adds to the amount of time my children are sedentary and staring at a screen. Technology should be used for practice (quizlet, memorization) but not for teaching (possibly to reduce the amount of heavy textbooks they have to carry). Any adult who thinks he/she can teach children and teens anything about technology is fooling himself-most of the time the students are waiting for the teacher to be able to use the technology or having to teach the teacher.
- Many of these answers are grey areas. It depends. Technology is absolutely useful if used in the right way. Everyone learns differently. I do believe you can't discount having that book in front of you and taking notes with pen and paper. It supports higher retention. I support using videos, smartboards, online learning, in addition to a teacher and books.
- My children do not find the iPads user friendly. They always use a computer when at home.
- My concern is the loss of hands on/face to face time that is needed in appropriate situations in school and classes. In those situations I am concerned that technology may remove quality of teaching and learning if used too much.
- My perception is that teachers are relying on Technology to Teach the students and not just as a supplement to their In-Person Teaching.

- My response is not so much about Revere's policy, but my general views of technology. Technology is a wonderful tool to support learning. However, kids are spending too much time in front of screens during the day. Also, learning is impacted negatively when you don't have other senses engaged (like writing, turning pages, etc.). Lastly, learning is so much about communication and relationship building. Technology makes it too easy to not engage in building authentic relationships and strengthening our communication skills. Kids would rather text than see each other personally (pre-Covid).
- My son did not have any computer knowledge until his Freshman at Revere. He quickly picked it up and became efficient in a short time. He enjoys using the computer for all of his assignments, etc.
- No matter how much you try to keep kids from accessing inappropriate content, they always find a way around it. Also, I think that it's much harder to retain information using technology. Physically writing things out seems to make things stick more, and handling a physical book and being able to make notes makes things stick more too.
- Not all teachers are using the current progress book for homework assignments. Why have the platform if students AND parents are told to search other places. This needs to be consistent for 'technology' to succeed.
- Providing access to learning programs for students with learning challenges via devices would be a great asset. ie., Learning Ally
- Revere needs to embed learning about Artificial Intelligence and coding throughout its curriculum so every student understands how our world is changing because of technology. For example, we almost lost our democracy on January 6th because of the spread of AI fueled disinformation online— this needs to be part of any American History class going forward.

Also, because of the proliferation of disinformation/misinformation online Revere needs to develop a campaign to enable students and the broader Revere community to combat these threats. We owe it to our students to fight for the truth and democracy. A true Minuteman wouldn't have it any other way!

- some of the questions were asked from a teaching perspective - I am a parent; not a teacher so not sure how technology helps teaching because of my role as a parent of a HS student. thank you!
- Students are regularly cheating while using technology. Kids spend nearly every hour of every day in front of a screen.
- Teachers technological skills and Revere's technology infrastructure are subpar with some teachers stressed using the technology. This all impacts teaching and students learning. It contributes to teachers unable to effectively connect and motivate students, particularly students with academic challenges. For example, gamification is a great method to connect with students and master learning. Current technology and teachings do not improve students communication and critical thinking skills or mastery learning. Too much memorization. Teachers do not use standard work when posting assignments, class materials and delays in posting grades. Student devices need to be locked down so students cannot access inappropriate websites and social apps at home or school, No accountability or enforcing technology rules by school/teachers. There are increase mental health issues and bullying due to school technology use and impacts learning, self confidence and attitude. Technology is the future and Revere and the academic industry are far behind other industries. COVID pandemic has reinforced this and hopefully a catalyst for change.
- Technology alone cannot teach, it is merely a tool to access additional information. I'm wondering how many teachers put out a syllabus electronically, and think they've "taught" something, and how many are really individualizing it to students needs like some of the questions in the survey inferred. Technology can be a wonderful tool to access resources that were never available to my generation, but teachers also have to be taught the best methods for using that technology to get the most out of the students.
- Technology could have been used to aid in learning during the pandemic. Instead, no one in the district made an effort to figure out a way, using technology, for ALL students to be comfortable learning. If technology is such a tremendous resource for our children, you failed them miserably this year
- Technology is a double-edged sword. It can be and should be a tool to educate, and I think Revere has done a good job of implementing it. I am not a fan of Apple products, since the business world primarily

uses PCs, but I understand that Apple is a better education choice. I would like to see texts more online--my high school daughter's backpack is heavy and no, she cannot put the books in her locker since they are all needed prior to 5th period on certain days (not every day). And now she can't carry the backpack in class, so a pile of textbooks and iPad goes in her arms. Not the end of the world, but online texts would be useful.

- Technology is a tool to supplement in person instruction by a certified educator. We saw last spring how when left to their own defenses, the device alone was not effective. The kids needed the teacher. They need hands on projects, not just typing and watching videos. Some staff have integrated the technology well, others just use it for google questionnaires. There should be a minimum expectation for its use in each subject setting.
- Technology is a tool, an aid, to learning and not the be-all end-all. This survey asked about higher level constructs such technology's ability to develop things like creative and critical thinking skills. I don't know that AI is there yet at all and if it is, is it available and affordable? Technology is a great tool, but it doesn't engage, guide, and challenge the way a good, effective teacher does.
- Technology is just one of many tools available to teachers to help the students learn. what's most important is the teachers themselves and how they teach
- Technology is the current format for most information and communication and should be used by the schools. It is still the role of the teachers and parents to guide the students. I think Revere School District is doing a great job leveraging technology to benefit both teachers and students.
- Technology should be used to deepen and extend learning. Unfortunately, sometimes it used like a digital worksheet, the same activity in electronic form. I also think students are spending too much time in front of screens.
- Technology should complement in-person lessons; never replace them. We still need to value and person-to-person communication
- Technology works best with classroom teaching. Can't go too far from that. Need both.
- The iPad's are really ineffective. My child ends up using the home PC to complete assignments due to the difficulty of screen size and inputs available to the iPad. I would either go back to laptops or limit iPad's since my student never uses their iPad.
- The use of technology really has a lot of pros and cons. I don't think in this day and age you can go without a lot of technology use. However I am very concerned with big tech trying to manipulate students in their thinking. Students need to be aware of this potential danger and learn to think for themselves. There is always two sides to every issue and it might take a lot of work to find unbiased information from both sides, but they should be encouraged to do so. Students need to learn to use critical thinking to analyze information and not be led blindly by the narrative posted on digital media sites.

I am also concerned with the lack of verbal communication between friends and students. I feel this problem has been exasperated by the demands put on by Covid restricting, normal socialization. I can't even imagine being a high school student during this time period. Perhaps give instructions to the students on how to best communicate using proper texting etiquette, if there is such a thing. I am very pleased that you opened the school back up to in person learning, this has helped a lot with developing verbal communication skills. Although my child says they would be happy if school closed down early again for summer, they also admit that going back to school has really helped their emotional well being. I am so grateful and thankful for all the teachers, bus drivers, school workers, and everyone who agreed to go back to school. Thank you!

- There's a lot of bullying at Revere so I believe that and communication skills are the only drawbacks. Otherwise, I think it is so important to learn right now.
- We remove the IPAD when child comes home. I don't like that they can add Snapchat and online programs. My child I believe abuses technology that is why we take away the iPad at the end of each day. Our concern is what is he looking at during the day outside of classroom instruction.
- While I agree technology needs are a must, I do not feel Revere has been prepared especially during the pandemic. Teachers are inconsistent across the board with use of technology and we need to set a

standard to what is required. Some teachers are showing video in class instead of teaching the class, they should be teaching the class. Some do not require zoom meetings while quarantined. This has caused a great deal of stress and missed class instructions. We had over a year to figure this out and a brand new HS with technology and is disappointed that we are still not ahead of technology.

- Would prefer computer laptop over I-pad as that is what will be used in college. Also they spend way too much time on these devices.
- Children do not spell, write or read with technology!!!! Auto correct fixes words for them. Students do not know how to write anything on paper. Students do not read either. They need to know how to sound out words. Technology makes school way too easy and less 'base' learning.

There needs to be hand written lessons and spelling lists, like it use to be.

- I believe kids should be able take tests on paper and not on line. Kids spend too much time in front of computers and loose focus. Kids like to be engaged in stories and learning in person. The computer should not be the focus of learning. I am not saying to take it away but so many people can' communicate anymore. Walk into a restaurant and watch a family, everyone has their phones out or typing on a lab top. These are not skills to help get jobs or function in society.
- I recently discovered that my high schooler has very little computer literacy skills when she has to use a real computer rather than an iPad to do work. She had no idea how to work the basic commands or establish appropriate path to save her work on a computer. This is concerning. We don't want the next generation of citizens to only know how to tap, tap, tap on a device; they need to know how to work on a variety of devices.
- I'd love to see the kids learning how to extract data from resources to make informed decisions, or build reports with data from surveys. This would be a life skill needed in many jobs. I think our kids do still need use paper/pencil for tasks as well. And provide live presentations in class to prepare them for public speaking or speaking with colleagues, future bosses. I'd also love to still see cursive writing taught.
- Some children learn better without the use of technology. I do feel my son in encouraged to use "too much" technology (while some is good, I feel it can be used too much.) STudents need access to hard copies sometimes as well, if not to practice, as an alternative or supplement to the digital content. I am not worried about my sons access to inappropriate material online, I am worried about their friends accessing and/or sending/showing them inappropriate materials. Cyberbullying is a concern.
- Technology in education is here to stay for better or worse. I think the task of educators and parents is to help young people navigate it as to harness the positive and reduce the negative.
- Technology is key to the future of learning. Use technology and its various platform to enhance student's learning. Technology should not be pushed aside just because its new. Revere is better off embracing it fully rather than doing a partial adoption.
- As secondary education teacher for over 20 years, I believe that technology can be an amazing tool if the teachers use it correctly. Technology itself is worthless if it is not utilized correctly.
- I am concerned that sometimes teachers may use learning apps as a convenient substitute for direct involvement with students, and students' individual needs might be overlooked. Also, it seems that because computers make so many tasks so easy, students are not developing thinking important skills, instead letting technology do the "thinking" for them.
- I find it unacceptable that my RHS student regularly watches lessons in the classroom on an iPad while the teacher who recorded the lessons is also sitting in the classroom doing something that isn't necessarily related to the room of students.
- I have a special needs kiddo and sometimes printed papers and text books work better for him.
- I have been really impressed by the skills and abilities of the kids to use technology and adapt to learning in whatever environment needed because of access to technology. However when only technology is used as the place of a teacher and or hands on or group discussion is lost, a piece of the learning process is lost as well. Overall, we have been very happy with the access to technology and how it is used.

- I love what Revere has done over the past several years in regards to the iMac, Chromebooks and tablets. Keep up the great work!
- I think it's a tool to help learn. But, I think sometimes being able to write something down is a better way for learning. Not everyone thinks the same. I am concerned that some teachers use technology to teach, and not just help add context to what they are teaching. Technology matters. But I do not see it helping with interaction with other students. Although that's tough today, I wouldn't want the students buried in an iPad all day long, every day, a year from now when the pandemic is over.

Thank you for sending this survey.

- I think some teachers are no longer teaching. I also see very little adapting to help kids who are struggling
- I'm disappointed that Revere isn't using a concurrent learning model with students during the pandemic and pushed students to be either all in or all online. Districts who are struggling and more diverse have implemented it. Not sure why Revere didn't. It is workable since teachers have received training on technology in Revere more than teachers in less fortunate districts who have made it work. Might have helped with mental issues for some students who wanted live teachers but can't be in school due to the pandemic and high risk family members. It would have also provided an "in house" solution as opposed to outsourcing which could have the potential to grow and keep students in the district under similar non-Covid situations.
- It would be nice to get textbooks back in the hands of our MS and HS students. The teachers should be presenting and teaching the curriculum. Technology is NOT a substitute for the teacher and/or presenting the material. Technology should be SUPPLEMENTAL!!!

Also, high school students should have the option to take a typing class. If they do not have formal typing education, they will be hunting and pecking for life! It's an important skill to learn and be taught. Bring it back please-and taught by a real live teacher.

- My children all prefer use of the MacBooks in school instead of the iPads. They all feel they are easier and more efficient to navigate.
- My kids have said many times that the iPads are not very useful. They would rather have the MacBooks.
- Revere must figure out a single platform for allowing parents to see the student's grades AND assignments. Ever since google classroom began being used I've lost insight into my children's homework and tests..The teacher have dropped using Progressbook for everything but grades. It leaves me blind as I don't have a way to see what's in Google Classroom. I'm not a helicopter parent. I do have a child that is seriously scattered and needs help. You - Revere Schools - have taken that from me.
- Switching the older students from Macs to Ipads has limited activities my children can do with their provided technology. This may be incorrect, but according to my 3 kids, the rationale for switching to Ipads was to allow the math courses to use the Ipads during class. My kids have not used their Ipads in class in any of their math courses. Again, I know that there could be additional factors that led to the product switch - but this is what I was shared consistently by each child.

I would recommend allowing the older students use of Macs instead of Ipads.

- Technology can be amazing and can help make things more efficient. However, technology can be a time consumer and waster, and the student nor the teacher accomplishes anything. For some students and teachers, technology makes them lazy. I also don't think technology improves decision making skills. I actually think that technology degrades decision making skills and destroys communication skills.

Technology is useful and can be helpful but it is not everything. It is a tool to assist in learning, it should not be all there is to learning.

- Technology should not be the only tool in educating children. With the current changes in that area, I am trying to limit what content my children read. It has become too political.
- There are too many separate ways to turn things in. Some is through Google classroom, then others want emailed assignments and others are submitted through different sites altogether. In addition, each

assignment results in an email which I feel can be overwhelming. Especially when emails and assignments can come through outside of school hours, this is a double edge sword. Our students don't necessarily have a break or escape from school in this situation. My students feel pressured and overwhelmed by the constant emails and notifications of assignments that occur over weekends and after school hours. There is no end of the school day.

- I do totally support having some aspects digital learning and an increased use of technology as tools in the classroom. However I also think kids are losing the ability to have tests returned to them for intensive review so they can see what they've done wrong for the purpose of making sure they master the material. It seems like that is more challenging to do in a fully digital environment and is not consistently happening. I'd like to see this improve.
- I have three children, one who loves technology but is a big distraction because he is constantly looking up other things, chatting, playing games. My daughter does terrible with technology she is a better paper pencil learner and on board instruction. My youngest does fine either way.
- In the high school some teachers are moving toward recording themselves and having students watch those videos during in person instruction. I think that teachers should teach live and in person and leave the prerecorded material for on line learners, students in quarantine, and for days when there is a sub. My child needs interactive teaching which is why we chose the in person option.

In the elementary school, teachers should use paper pencil tests especially in math.

- Technology can be a useful tool, but it doesn't replace the entire toolbox.
- Thank you for the survey!
- Time spent on electronic devices needs to be weighed with the outcomes being achieved. Provided learning is achieved, the time can be very meaningful, especially if it allows the same material/lesson to be presented via various modalities to assure every student is able to thoroughly understand the material through their respective learning styles. For instance, one may choose to read the material, another learn the same material through an ED Puzzle, etc. Students would also benefit from material being introduced via technology and then discussed, or reaffirmed through teacher interaction, rather than the teacher introducing the material for the first time and technology reaffirming the lesson. The largest difficulty we have experienced this year has been the teachers lack of patience and technological savyness. I hear my students often helping the teacher with the technology. The other hurdle that has been very frustrating is hearing the virtual learning students constantly being compared to the brick and mortar students. Each child should be allowed to learn independently. Technology should afford the teachers the ability to present the same lesson in various learning styles that the student can select from to meet their personal needs. The test will confirm that they have mastered the information. Based on repeating this point twice, I think you can see that I/we feel very strongly that this is a huge opportunity that the current situation has afforded us - let's take advantage of it.
- I think the Revere teachers (at all levels) are doing a great job of incorporating technology into their instructional practices while still providing direct instruction to the students. It's a good balance.
- While I appreciate the technological knowledge they are gaining, I am concerned about the amount of screen time my children have for school, less face-to-face time with teachers, the decreased communication skills, the decrease in handwriting and critical thinking skills. I am grateful for the I pads, for what skills they are gaining and the ability of the district to adapt to the need for quarantine last year, but I wish I had more control over what they had access to, and that all their assignments were not tied to the screen.

Middle School Students

- I feel as though the iPad has helped students significantly, but I also see that some students can not handle it.
- Even though the ipad is very helpful, it (like most devices) can only take so much storage. However, it HAS helped alot. The thing about getting help is that it's the student's job to ask for the help. Now, my

ipad's been fixed before and it only took a class period and a bit into rise. I DO think that there are more positive than negative because there are people that know how to fix them. But as far as the positives go, there's the fact that students are on them when the teacher is talking. For me, I like the ipads (mostly because the keyboard is better than a chrombooks) and I'm sure they'll help me many more times in the future. Either way, they can really only help the students and teachers. (I don't know why I just wrote a full blown PARAGRAPH but okay)

- Good
- having spotify downloaded on the ipads would be great for students who need music playing while they focus.
- I absolutely hate technology and it's a waste of money. Students social skills are going down hill.
- I believe iPads were different from MacBooks that we had in the previous years for many reasons. I don't think they are as effective, especially when students are taking computer courses. The iPads can only provide a certain amount of productivity. Last year during the online learning program, I took multiple classes in robotics, drones, and coding, but the iPads weren't necessarily useful, as the programs that the teachers used were much rather suited for a computer in speed and memory space. Students who didn't own a computer at home couldn't experience the full learning experience. Of course the iPad did help build students' creativity while drawing and sketching for a few school projects, but some of the device's function lacks capability to perform well. Overall, using the iPad was a much different experience for my education, but I had still learned very much from it.
- I believe the use of technology is an intelligent decision , but I feel we still should be doing more work on paper.
- I don't have any Revere is pretty great!
- I feel like some times we use technology too much. It can be a bit hurtful for the eyes and we use it so often that it could be affecting us. And sometimes it could be nice not to use it.
- I feel some people who use the iPad, instead of paying attention in class they're playing or using their iPad when they shouldn't be.
- I feel that the technology has helped with learning by have easy access to online textbooks, and its great for projects because there are so many different ways to create it. The one problem many students face is most students get distracted by all the game websites.
- I fell that we should have MacBooks instead of IPads because Technology is easier on the MacBooks.
- I find that I work better with pencil and paper, so the iPads have been a bit of a struggle for me. I have also seen a large number kids getting into trouble and using the iPads more so for gaming or causing conflicts with other students.
- I for one myself along with many of my peers hav e broken of Semi functioning key boards. I have talked to the librarian at revere middle school countless times to try and get a new keyboard, if not that at least get mine fixed. Especially now when I'm am typing all through the day. This a is absolutely ridiculous that I am not able to type on my keyboard. I would also like to mention that many students have social media, and or games on there Device. This makes them very distracted during class and keeps them from getting there work done and submitted. Thank you
- I have noticed when teachers share links to watch videos in google classroom or other online learning centers, they are often restricted and/or blocked. They do not have a way of removing this limitation, and me being a visual learner know that I and other students retain a lot of the information they see through video. This does take up class time, and although it is a minor issue it is, I feel, something that could be a little more flexible.
- I just wish we had laptops such as MacBooks. As a former sixth grader the experience of having a MacBook was really eye opening. I simply cannot do a lot of stuff on the iPad such as typing essays, etc. The iPad make work like that tedious and much harder. Hopefully you take this into concern.
- I like the iPads
- I like using my iPad, but I also like paper work.
- I love using technology to learn new things.

- I personally preferred the MacBooks from two years ago, though I understand the decision to switch to iPads. iPads also mean that there are less papers to keep track of.
- I really like the stuff they allowed! The one thing is that you can't upgrade your favorite stuff. That means no extra FlipaClip stuff(seriously? This app is super helpful for animations, and allows more colors than Sketches school) I also wish for Smart music to stay. It has really helped me in band. If possible, [TEACHER] should get a subscribion to it every year, so she doesn't have to pay for anything, as this ensures that she can do it every year. Also, thank you Library for having help for problems, and a safe Hw spot 24/7 at school. Concern: sometimes people have problems(chargers not working, ipad drains faster than usual despite it being used for the same amount of time, etc.), and their ipad is dead either right when school starts, dies during school(mostly in the middle of something), or dies during rise. I suggest, despite it being covid, that all work for students that are in-school have all work on paper. This ensures that students will be able to do their work, and will not have to worry about a dying ipad, or not having a charger, or not have a great place to plug in an ipad near their seat. Thanks for everything,
- I think a Mac book would be more beneficial for later in life and is easier to bring around.
- I think Revere's use of technology can be very useful, especially when I've ran into a situation where I needed to email a teacher a question I had forgotten to ask in school.
- I think that a few things could be added such as dark mode for chrome and less iPad use overall due to the fact that some students are sensitive to light.
- I think that everyone should get a stylist because when i am in math class and we do warm ups i always have to use paper because i can not read my hand writing when i draw on my iPad.
- I think that the devices provided for us are very helpful, yet they always have defects. The keyboards stop functioning properly very often, docs freeze, and lagging is an issue as well.
- I think that the I-Pads were innovative and helpful, but personally I still prefer the MacBooks, not that I can change that.
- I think that we should have something else than an iPad because there things that we need to do that we cant do on the ipad were on laptops we can do those things that we need to do
- I think the technology works very well but is unreliable in situations with no WiFi, etc.
- I would suggest that more apps be allowed in "self-service." Some apps can provide certain resources that help with homework and others can help students focus on schoolwork. Music has been scientifically proven to enhance learning and concentration, yet the school administered iPads do not allow apps like Spotify, even though they have the capability to better the experience of a Revere student. This is very frustrating and many sign out of their school managed Apple IDs to download apps that benefit them. This causes problems with "Apple Classroom" and other various hindrances prompting many to seek technical support after logging into different Apple IDs. If students have access to a wider range of applications, this could be avoided.
- It is unfair that everything is restricted. One person abuses the iPad and everybody has to pay the price? Come on.
- It is unnecessary that some cites re blocked. I was working on a project and had full use of a n online website, then the next day the website was blocked and I was unable to use it for my project. Which I had already based all of my information on that source
- It is very good but don't need to ban the apps for students because they need some of them
- It's grrrreat
- Its a good idea to keep
- many malfunctions and its slow
- Personally, I dislike the iPad's. They're annoying to work with and the keyboards are hard to use compared to my Chromebook.
- personally, I preferred the MacBooks we used in my first year of middle school to the iPads we use now. The Macs were more efficient and had more helpful features
- Really it is great. personally i feel that we should add more art access and media to better work with others or by ourselves.

- Tech has been very beneficial. For example, if you're working with someone in another room on a project, you just shoot them a quick message and start collaborating.
- Technology has helped me develop greater skills
- Technology is often a distraction to many students. Having teachers limit and monitor the use of the iPads more strictly would be beneficial.
- Through using this iPad I have been able to learn how to use a computer properly this has been a strange experience and it has been very comfortable although some things have been hard to do like having to learn everything by myself which is very stress inducing but I am fine with this system.
- Unblock diep io please its fun
- Using technology lets me be ahead of the schedule and reminds me to turn and do my assignments
- We have had a lot of issues with iPads and apple classroom this year, The MacBooks were better . They had more options for applications and tools, less issues and they didn't break as easy.
- Well teachers are starting to rely on technology, so when we are already half way through the day people are going around saying do this do that and I will add this, because it is technology. And I hate when the tec. People come in and say you should know this and it will be easy... well easy for you to say you went to collage for it. And last is when you have headaches siting in a hot room with a mask and having to stair at a screen it soooo hard.
- When my brother was in school he had a MacBook which was a lot better than these iPads because almost all the time the keyboard does not work and I HATE it.
- When we had the MacBooks, I thought it had the ability to help use my creativity better and get things done easier
- Would prefer to work on Mac book, I pad too slow and user interface is bad and it's very limited in what it can do, never holds a good charge and the key board stinks!!! Mac book would be so much easier for what I need to do the iPad actually makes it harder!
- Yesterday at home, I tried to access some non-school related sites (discord, reddit etc.) however I was unable to due to securly. I understand that staying focused in class is important, but keep in mind that was at home, in my personal time. Also, I dont have an iPhone, the only mobile device I have is this iPad. Once again, I believe staying focused in class is important, so I believe instead of being a device-deep restriction, said restrictions should be based around wifi, so I'm able to stay focused in class, yet I can access the sites.
- You could improve the WiFi.

High School Students

- As a current RHS senior, I cannot tell you how much I dislike the technology. I absolutely HATE (!!!) how the district is moving from a teacher-centered to a student-centered learning environment. In addition to other downsides, that destroys the value of the teacher. As a result, "The iPad [does not] meet most of my learning needs."

As for a future "solution," I think it's important to keep the role of the teacher. I also don't think technology should be used for group-work assignments because students should learn how to interact face-to-face and not some medium. Maybe the technology can be used to deal with the time consuming tasks, such as carrying assignments, but it shouldn't interfere with any face-to-face communication and/or any "hard-core" learning. There are no shortcuts to learning.

Here's my reasoning in-depth:

- For "Technology helps students develop critical thinking skills to bring creative solutions to problems" or "Technology helps students develop and express creativity," how does the technology increase creativity? I believe technology decreased my creativity because technology mainly encourages superficial learning and reduces the need for the extended focus and hard work. Some might argue that the 21st century is filled with people who have limited attention spans, but is that an excuse to avoid any long-term/extended

focus, which should have self-evident benefits?

- For “Technology helps students develop communication skills,” technology worsens them because—now—it’s perfectly acceptable to not need to interact with people face-to-face. That substantially deteriorated my communication skills, and—to try to remain motivated—I had to practice with other, non-technology means.
- For “Technology helps students learn to act intentionally to benefit the broader community and greater good” or “Technology helps students develop awareness, sensitivity, and compassion for others’ experiences,” I don’t understand the correlation between technology and the inspiration to benefit the community (maybe the answer has to do . In fact, I believe the lesser face-to-face interaction actually decreases the awareness.
- For “Technology helps students learn to work together as part of a team,” please refer to my response regarding communication skills.
- For “Having an iPad has made learning more interesting for me,” it has made it more dry. The teacher is the person who is supposed to make learning more interesting, and replacing the teacher (or at least decreasing his/her influence) is not going to make learning more interesting.
- For “The iPad helps me practice and remember information taught in class,” it doesn’t add any value traditional means could have added. And, more negatively, “The iPad is often a distraction that keeps me from getting schoolwork done.”
- For “The iPad has made me a more independent learner,” that’s true because the iPad lessened the teacher’s role. As a result, I now have a watered-down, superficial learning experience.
- For “The iPad’s speed and performance are a good fit for what I need to do,” I still am not used to the lack of a keyboard. My iPad also crashes occasionally with Google Chrome. Even though I believe having MacBooks was a case of financial mismanagement by Revere (Of course MacBooks would be great if we had infinite money.), I think having Chromebooks would have been the most cost-effective solution to this problem.
- For “I often use the iPad to create things to show what I have learned,” there’s no creativity involved with technology.
- For “The iPad has made it easier for me to work with others on group projects,” it has removed or at least watered down the teamwork element, so definitely not. It has only made group projects more boring and individualized (i.e. contrary to group).
- For “It’s easy to get technology help when I need it,” I don’t believe the technology help is always useful. For example, I still continue to have problems connecting to WiFi on my personal computer.
- Being a senior at Revere, I’ve been able to use the Ipad and Macs. I think the pens and ipads have more advantages than the macbooks. I think kids who would rather have the macbooks only say that because they want to use them for stuff outside of school. I think the pens and ipads are more useful and versatile for school work. However, i would prefer typing out a 5 page paper on a macbook then the ipad. Overall they both have their advantages but i would prefer the ipads and pens for majority of my school work.
- Bring back the Macbooks.
- Can we get the MacBooks back please and thank you these iPads are horrible
- For what we are doing in school, the iPads are fine. Negative: the keyboard SUCKS. Everyone hates the keyboards.

- Here's the deal, I get why iPads were preferred from a district perspective, but for the two years I have used them it is atrocious at multitasking. I highly recommend getting either entry level MacBooks or the iPad Air or pro with a dedicated keyboard and touchpad.
- I believe that it would be better if we went back to MacBooks. They were much easier to use, and they performed better. I never even use my iPad at home, because it is easier to use my computer. If I had a MacBook, I would use that to do homework instead of my computer. It is especially difficult to type on iPads, because the keyboard is squishy and is very small. Also, when I type, there is a long delay between when I push the key and when it appears on screen. Other students have also had this problem. Furthermore, it is very annoying having to switch between apps on the iPad. For example, when creating a slideshow, you have to wait for Google Slides to load any time you exit to search something up. And when you switch back into safari, you have to wait for the website to load. This would not be a problem on a MacBook. I believe that it would benefit my education if we switched back to MacBooks.
- I definitely prefer the MacBooks over iPads.
- I dislike the iPads strongly. They are not reliable when it comes to submitting school work and contacting teachers for help. The apps needed for school do not work majority of the time and the teachers that have gone fully online with notes and lessons are not helpful. Having a lesson being taught face to face and writing down the notes on a piece of paper is much more beneficial than the online version that we are being converted to. I would like to have the MacBooks back in the Revere High School, as well as the Yearbook class getting new MacBooks. The MacBooks being used in yearbook are extremely old for computers and do not do their proper job majority of the time, whether it be crashing, or the computer itself quitting on all the apps that are opened. The class itself is extremely critical in the aspect of making new friends and creating a project that most students will have forever. I hope you take the time to read this and take the advice that I am giving.
- I do believe that the school-issued iPads do have benefits in some classes. However, I do not agree with the school pushing every classroom to use them. There are certain types of classes that do not require technology, and the push to use them unnecessarily takes away from the main point of the class. Additionally, the iPad is a distraction to many students throughout the day. Like other forms of technology, access to the internet aids to wandering minds. The use of the iPads as technology is overall beneficial in my classes, but the selection of the iPad instead of other types of media is not the best choice. Personally, I would much rather preferred a laptop instead of a tablet. Especially for English classes, or any class requiring essay writing, the iPads are extremely to navigate as you cannot have more than document or internet tab open simultaneously. I would have preferred a cheaper, non-Apple laptop to a iPad. The only real benefit that an iPad has over a laptop is the ability to write with the stylus pen.
- I feel like the MacBooks did a better job with learning than the iPads do.
- I like how we have included technology in most classes, I just wish we had better cases. The ones we have, while they do protect the iPads, are a pain. A lot of people have the issue where having the case on does not allow them to charge their iPads. The keyboards are fully working about half of the time. I have friends that have had broken screens due to taking the iPad out of the case.
- I like MacBooks more, because they allow better access to many websites.
- I like the iPads but I find it easier to use apps like google docs on other devices such as computers or laptops due to the uses of certain functions
- I like using the iPads and being able to turn things in online, but they glitch sometimes and slow down when you attempt to split-screen. Other features, like longer tables in google docs, completely slow the iPad down, so we still have to work on those on a computer at home. Teachers also tend to do "video lessons" that you are supposed to watch at home or in class, but I much prefer that the teacher teach the lesson to us in real time. It's a lot easier to pay attention and get any questions answered.
- I liked having MacBooks better. They are more efficient than iPads and have more features, especially on Google that I can use. I am an online student and often, using my iPad doesn't let me submit some assignments. Due to this, I have to use my computer sometimes, so it is inefficient.
- I personally feel that the iPads are not a good fit, I understand that we changed to ipads because they where cheaper so we could have them for everyone instead of just Mac books for the older students. I

also know that a goal for this school is to go paperless, but using less paper is also great. The Mac books where superior to the iPads in every possible way. The keyboards made it easy to type. The key board on my iPad keys are breaking and I rarely use the thing. Ipads have not helped in the slightest. When it comes to the Mac books, yes people used them and played games and got around security settings easily, but shouldn't you be proud as a district to have students that are intelligent enough to do that. Even when students where playing games it's just a fact that some people learn better when they have something else to do in the back ground. And they can subconsciously listen to the topics discussed in class. I'm one of those students I learn better when I can doodle.

- I think MacBooks were a better fit.
- I think technology uses in classes such as english and math have benefited the classes the most. I do believe that some classes have a harder time incorporating iPad/technology work since either the teachers are not as well versed or the class required more hands on activity then technological. So, if that teach then tries to do something technological it does not fit in with the rest of the coursework they have already given out.
- I think that iPads are great asset when learning, but it does have its drawbacks. Keyboards don't always work and sometimes google docs freezes when multiple people are working on it. Then sometimes you can't access a doc or some sites don't work.
- I think that macs were better than the ipads
- I think that the iPads are great learning tool to use, but there are some issues with the keyboards not working and experiencing lag.
- I think that the technology should be used in the classroom more often in some classes that neglect to use them because it allows me to store information all in one source instead of working about textbooks and papers.
- I think using to much technology can have a negative impact. Some teachers rely on technology to almost teach for them it seems and I know that I would rather have the actual teachers interaction with them talking to the class then letting the computer do it. I have also talked to many of my friends about this and they agree. Technology does help us collaborate though, so it has its pluses and negatives. I would also say that the MacBooks we first had were 10 times better then the iPads, the iPads are to small and slow for some stuff we do at the high school.
- I understand that the MacBooks were a greater commitment financially and offer more distractions in class, but I genuinely believe in their practicality for students. MacBooks have a much more friendly interface for coding, photoshop, and other design-related and STEM applications. Whenever I would make a poster for Revere Players or work on a line of code, I couldn't take advantage of study hall time or free time in class to work on that; I would wait until I could work on my family computer because it simply saves time to use a mouse and to have a real keyboard. I would argue the only real benefit to the iPads involve its drawing features for taking notes, but even then, I rarely see individuals take advantage of this feature outside of math class--which, by the way, is a class in which all the technology outside of a calculator merely acts as a substitute for pen and paper rather than an improvement over traditional mediums. I just miss chalkboards.

That being said, I appreciate how every student does have access to technology. It has been incredibly useful for online conference calls since I don't have a personal device beyond my phone at home. As for the classroom, however, I feel the current use of technology does not enhance the classroom experience much. But that's just my opinion, and I'm sure many teachers have utilized tech in a way I simply haven't experienced. Have a great day to whomever reads this.

- I would like to use both the ipads and a Mac book
- I'd prefer to use Macbooks rather than IPads because the computers are more accessible.
- If we had something other then iPads such as Microsoft surface's it would be lots easier for the entire school
- iPads are garbage compared to the Macs we had before

- iPads are okay but macs were definitely more useful and versatile. Obviously the cost is higher but macs are worth the extra cost. I rarely even used my iPad because of how limited they are regarding the schools obsessive use of restrictions and the general disadvantages of a tablet. Not sure why 16-18 year olds are treated like 10 year olds with the devices, especially considering the macs had very reason barriers that did not really obstruct anything. I actually opted to bring my own Mac to school on a daily basis to complete my work, which I found much more productive.
- It helps expand my creativity giving me new experiences
- It is harder to sit and watch a screen all day long, than it is to listen to a teacher talking. Yes, I agree that the iPads have helped in decreasing the amount of paper that has been used to make copies of assignments for students. Overall I think that adding technology in the classrooms is not a bad idea, I just think that the things that I have mentioned could be changed up a little.
- Mac Books were way better than the iPads. I know we can do math on them but I would rather do math on paper and everything else on a Mac Book
- MacBook good, iPad Bad
- MacBooks are better than I pads but I pads are better than nothing
- MacBooks are easier to use and more efficient than iPads.
- MacBooks over ipads
- MacBooks r better
- MacBooks were significantly better for educational purposes.
- My biggest problem with my Ipad is my keyboard. Many of the buttons will be disfunctional one time and then begin working the next. I would prefer and keyboard like a Mac's keyboard instead of the keyboards we have now.
- No ipads
- Since Revere changed to Ipads, my kept it's charge long for the first year but after that I find my self having to charge my Ipad almost everyday or my end of the day classes. My Ipad used to go a few days without needing to be charged. It isn't that I am using my Ipad more, I feel I have used it less because I have to conserve my battery. The Ipad in some rooms of the new High School works very slowly if not at all when trying to access the Internet or posting assignments to Google Classroom. My Ipad will also glitch out of apps and not save of my work that I have done in files or in Google docs the last few seconds to a minute of work did not get the change to save.
- Technology is good to a point, but there is a line where a dependence upon technology can have adverse effects on learning. For example, my math teacher uses numbers to air drop us files so we can fill them out on our iPad's along with her. This is an effective and efficient way of learning and prevents the waste of paper. On the other hand, some math teachers are purely using online math web sites as their form of teaching and most of the kids I know are horribly confused and just cheating their way through because they don't understand it. The iPad's have created some sort of a disconnect with the learning and made it harder for kids to grasp the math. Overall, technology is good but it shouldn't alter the way a teacher teaches things because often the new way of teaching is less effective, especially when it is so reliant upon technology.
- Technology really helps with learning at school, but I wish we still had macbooks. It's very hard to multitask on the ipads, which makes doing homework, studying, and creating projects very hard. Additionally, many websites and programs aren't built for use on a mobile device. I really wish the district would consider returning to macbooks, as I think it would increase all students' productivity.
- The Chromebooks were great, the MacBooks were even better, and the use of the iPad is by far the worst technological decision this district has made. It is a complete downgrade in terms of capability & freedom. Chromebooks/Macs were superior to the iPad in almost every way.
- The ipads are awful, slow, and I miss the chrome books
- The iPads are only as good as the teachers. Some teachers use all paper which can be frustrating. Others use strictly the iPads, which I am fond of. The way people view the importance of the iPads depends on the teachers and how they use them. Personally I love the technology and enjoy using my

iPad in class, however I know others prefer the paper way. If teachers integrated the iPads more into their curriculum students may enjoy the iPads.

- The keyboards on the iPad make it very difficult to type longer essays in class and is a big inconvenience. Better keyboards with more defined keys will help mitigate this problem. Also students should be able to download Spotify on the iPads as many times music helps us remember information and focus more when doing homework.
- The Mac books are so much better than the iPads, and more of my classmates agree
- The macbooks were better.
- The MacBooks were more effective because it was easier to multitask and it ran much smoother and faster. However, technology as a whole has benefited the student population in terms of learning and developing valuable skills like teamwork and responsibility.
- The technology is a great tool for classes. However, many of my classes require back to back use of the ipads, and I sometimes get screen headaches. Technology is useful, but it does not replace paper-pencil learning. To get the most out of learning, there needs to be a healthy balance in the classrooms between technology and paper.
- The use of technology has not helped many with creativity and other simple mental tasks it simply makes them more reliant on the tech.
- There are lots of issues with broken student keyboards.
- When I was in 6th grade, the students got MacBooks and I thought that they were better than the iPads.
- Would prefer a computer over the iPads because of the ability to use a mouse rather than touchscreen, the iPads also dont have many ports to plug other devices into they also do not have Bluetooth enabled.