



Area School District

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Technology and Information Literacy Plan 2016 - 2019

Contributing Members

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RASD Mission Statement

Inspiring learners, engaging community, enriching the world

RASD Vision Statement

One of Wisconsin's finest school districts, fostering excellence for all through innovation.

RASD Belief Statements

- *Quality instruction is best supported through relevant, challenging, and innovative curriculum that connects across levels of the system.
- *Individuals learn in different ways and at different rates.
- *Meeting and engaging the diverse needs of students ultimately empowers them to realize their true potential.
- *Individual achievement deserves celebration.
- *Collaborative achievement deserves celebration.
- *Risk-taking is essential for innovation.
- *Creating the necessary infrastructure (staff, technology, curriculum, resources, professional development) makes innovation possible.
- *Continuous improvement is essential.
- *Students, families, school staff, and community members share responsibility for developing academically, socially, and behaviorally responsible citizens.
- *Partnerships in the community provide opportunities for growth and support.
- *It is important to make informed decisions based on reasoned analysis.
- *Today's decisions should be made while looking to the future so that the school district may deliver exceptional results over a sustained period of time.

RASD Technology Department Mission Statement

The district will offer robust access to a system that enables connectivity anywhere at any time. Technology is an integrated medium for channeling and processing information. With forward thinking and a shared vision, educators will become proficient in implementing, assessing and supporting best practice for equitable teaching and learning of 21st Century Skills. These skills will guide all students to become productive members of our global society.

RASD Technology Department Vision Statement

Literacy-Inventive Thinking-Effective Communication-Productivity

The Ripon Area School District is committed to providing 21st Century skills and tools essential for lifelong learners.

Summary

What is a Technology Plan?

- A Call to Action
- A Vision of Teaching and Learning through Technology
- Clear Communication with Stakeholders

The Ripon Area School District is determined to provide a future ready learning environment for all students. The role of technology and information in current educational practices is more important than ever before. Even though this is 3 year plan, it is important to keep this document fluid as technology changes at an exponential pace.

The Road Traveled

Previous Goals (2013 - 2016)

Goal 1: Strive for effective use and implementation of technology and information literacy in all of our educational processes.

Goal 2: All students will experience a quality, standards-based education that maximizes learning and encourages connectivity, productivity and efficiency.

Goal 3: The infrastructure will facilitate equitable and flexible access to information resources, data management and learning tools that focus emphasis on the improvement of student learning.

Goal 4: Insure that policies and procedures are in place that provide opportunities for staff, students, parents and community members in order to facilitate information and technology literacy.

1:1 Teaching and Learning

To support student engagement and achievement we will continue the 1:1 Teaching and Learning initiative in grades 3-12. We continue to focus on the 4 C's: Communication, Collaboration, Creativity and Critical Thinking when it comes to classroom instruction and student learning. These four pillars represent 21st century skills needed to succeed in a global work environment.

Process and Goal Evaluation

Our process and goals will be continuously evaluated by our building level technology teams. In addition, our Clarity Technology survey will give us insight on how, and with what frequency technology is being integrated into the classroom. See appendix for Clarity reports.

Budget

The Ripon community has continued to show support for our 1:1 Teaching and Learning and other technology initiatives in the district through a second referendum passed in November of 2014. The referendum allows for \$160,000 to be spent yearly on updating infrastructure as well as staff and student devices. See appendix for 5 year budget outlook. Our operational budget will remain virtually the same throughout this plan.

Overview of Ripon Area School District Technology

Ripon Area School district has wireless coverage throughout all of our district buildings to allow for anywhere, anytime connectivity. In addition to our district networks, we have Public wifi for anyone on premises to use.

Staff members have access to a variety of technology throughout the district. Each certified staff member is issued a laptop for use in and out of the classroom. Many teachers have document cameras to aid in instruction. In addition, all of our classrooms are equipped with projectors.

At our k-5 level each classroom is equipped with an interactive whiteboard running SmartNotebook software. The interactive whiteboards allow for students and teachers to interact with content. Also, each k-5 classroom has iPads available for student use. We are working towards a 3 to 1, student to iPad ratio.

Students in grades 3-12 have access to either a Chromebook or netbook during the school day. In grades 9-12, students are able to take their device home. Each device that goes home does have a remote filter. It is our hope that these devices will allow students to collaborate anytime, anywhere. In grades 3-8, Chromebooks and netbooks are accessed via a cart in each classroom.

The Road Ahead

K-12 Curriculum and Library/Media Alignment

Beginning in fall of 2015 the K-12 Library Media Specialist will work with the appropriate building and district leaders to align our K-12 Library/Media curriculum with district and building goals.

The library media program strives to create and support an environment in which all learners become effective users of ideas and information and achieve the standards set by the State of Wisconsin and Ripon Area School District.

The Goals of the Library Media Program are to:

- cultivate a love of reading
- provide a broad range of quality resources to support the curriculum and to support recreational reading interests
- teach students to become effective and ethical users of print and digital information
- encourage all students to become lifelong learners
- remain forward-thinking and relevant by providing additional services and spaces for students to create, program, make, develop, and collaborate on new ideas and innovations

We will accomplish these goals by continuing to utilize a combination of common school funds and grant opportunities to purchase relevant, interesting, and curriculum-related books and resources for each of the media centers. Through continued professional growth and development opportunities, the Media Specialist will convey and teach pertinent skills to students in grades K-12 through face-to-face opportunities, video modules, and shared materials via the web. Opportunities will be sought to provide and enhance digital learning materials and spaces so that media centers will be closely aligned to our district technological goals and learning targets.

Goals, Objectives and Action Plans for 2016-2019

Goal 1: Infuse Computer Science and Information Technology into student learning.

Objective 1.1: Implement a student run Genius Bar/Help Desk.

Action Steps:	Responsible:	Timeline:	Performance Indicator:
Write the training curriculum to be used with students.	Technology Director, IT Department	Initial Winter/Spring 2016 Ongoing	Training curriculum is ready to be used summer 2016.
Create application process for students interested in working at the Genius Bar.	Technology Director, IT Department	Initial Winter/Spring 2016 Ongoing	Application process is shared with students and posted on district website.
Interview and train Genius Bar staff.	Technology Director, IT staff	Summer/Fall 2016 Ongoing	Student Genius Bar staff is in place for fall 2016.
Communicate operating procedures of Genius bar with staff and students.	Technology Director, Genius Bar staff, Webmaster	Fall 2016 Ongoing	Procedures are shared via staff meetings, class meetings and posted on district website.
Yearly review of Genius Bar procedures.	Technology Director, Genius Bar staff	2016-2019	Procedural document shared with staff.

Objective 1.2: Infuse Computer Science into the curriculum.

Action Steps:	Responsible:	Timeline:	Performance Indicator:
Intro to Computer Science course in place	Technology Director, Curriculum Director, high school staff	2016-17 school year	Course is staffed and available for enrollment
Computer Science and Software Engineering course in place	Technology Director, Curriculum Director, high school staff	2017-18 school year	Course is staffed and available for enrollment
Computer Science Applications course in place	Technology Director, Curriculum Director, high school staff	2018-19 school year	Course is staffed and available for enrollment
Computational Problem Solving course in place	Technology Director, Curriculum Director, high school staff	2018-19 school year	Course is staffed and available for enrollment

Goal 2: All teachers will empower students by engaging them in learning experiences that prepare all learners to be active participants in our globally connected society.

Objective 2.1: Ripon Area School District will provide training for staff in Personalized Learning.

Action Steps:	Responsible:	Timeline:	Performance Indicator:
Personalized Learning site visits	Admin Team	2016-17 Ongoing	Data/notes shared from visits
Form district/building level Personalized Learning Committee	Technology Director Curriculum Director	2016-17 Ongoing	Committee meets on a monthly basis
Target Personalized Learning instructional practices	Admin PL Teacher Leaders	2016-17 Ongoing	Instructional Practices are shared with staff
Provide professional development related to Personalized Learning	Admin Team PL Teacher Leaders	2016-17 Ongoing	PD is embedded in inservice
Provide innovation grants related to Personalized Learning	Admin Team	2017-19	Grants awarded and shared with staff
Embed Personalized Learning k-12	Admin Teachers	2018-19	Data collected from observations and instructional rounds

Objective 2.2: Ripon Area School District will implement a Learning Management System to maximize teaching and learning.

Action Steps:	Responsible:	Timeline:	Performance Indicator:
Pilot multiple Learning Management Systems on a small scale	Teacher Leaders Technology Director Technology Coach	Spring 2016	Matrix created comparing multiple Learning Management Systems
Form a committee to evaluate LMS	Teacher Leaders Technology Director Technology Coach	Spring 2016	Meeting notes reflect discuss
Large scale pilot and continued evaluation	Teacher Leaders Technology Director Technology Coach	2016-17 School Year	Implementation plan that includes best practices rubric
Roll out LMS to appropriate grade levels with continued professional development	Teacher Leaders Technology Director Tech Coach	2017-19 School Year	Time dedicated during inservice to train teachers

Goal 3: Ripon Area School District will support current instructional strategies based on research that is aligned with the district vision and curricular needs.

Objective 3.1: Ripon Area School District will use our technology survey to drive technology planning and professional development.

Action Steps:	Responsible:	Timeline:	Performance Indicator:
Complete Clarity survey each spring	Technology Director, Teachers	2016-19	Clarity survey data is available for viewing by November 1st
Share Clarity Data with Admin team	Technology Director	2016-19	Admin team will set district level goals based on data
Set building level goals with principals	Technology Director, Principals, Building Tech Teams	2016-19	Goals are shared with building staff
Merge building goals with technology professional development	Technology Director, Tech Mentors	2016-19	Tech Mentor professional development reflects connection to goals

Objective 3.2: Central Office personnel will conduct Instructional Rounds to better understand what instruction looks like in RASD.

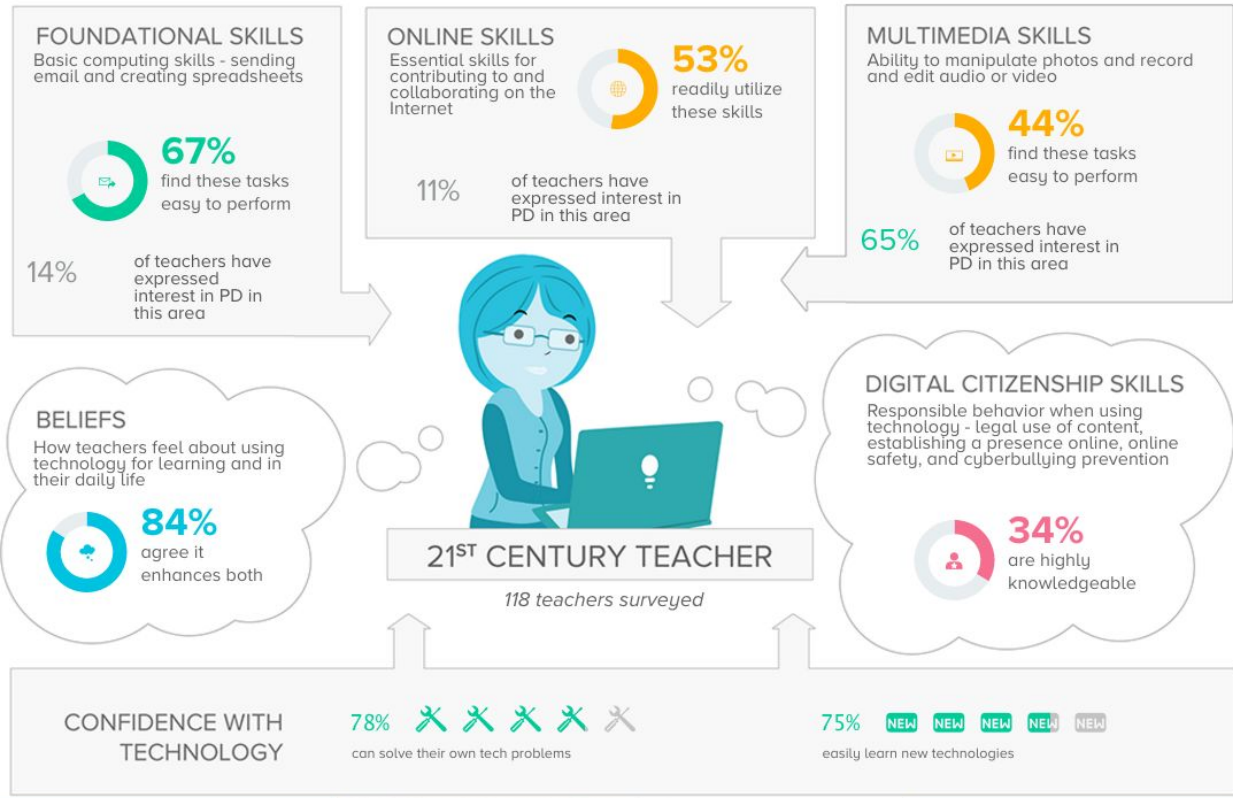
Action Steps:	Responsible:	Timeline:	Performance Indicator:
Instructional Round form created.	Technology Director	Initial Fall 2015 Ongoing	Live Google Form in available to Central Office staff
Schedule Instructional Rounds	Technology Director, Principals, Central Office staff	2016-2019	Calendar dates are established
Perform Instructional Rounds in each building	Central Office staff	2016-2019	Data is compiled in Google Spreadsheet
Evaluate Data	Admin Team	Spring of each year 2016-2019	Data is evaluated and shared

Objective 3.3: The Ripon Area School District will use data to support instruction and Response to Intervention.

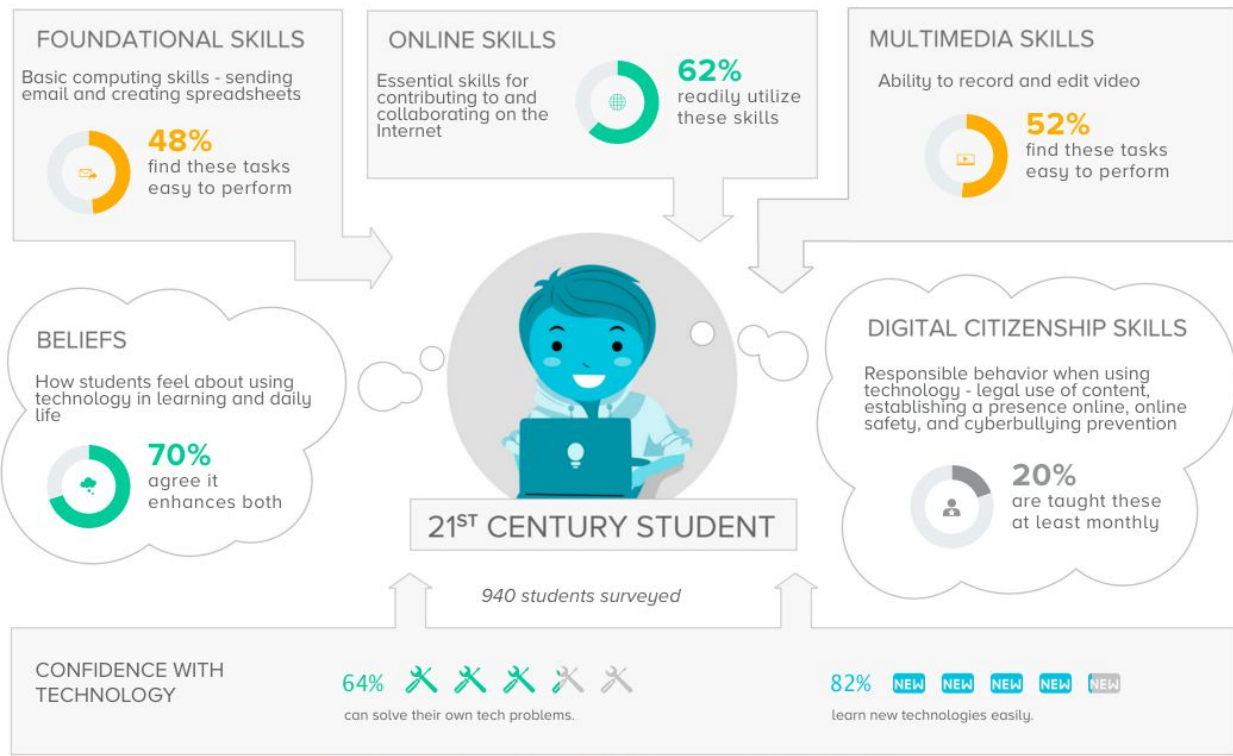
Action Steps:	Responsible:	Timeline:	Performance Indicator:
Choose a data warehouse provider	Admin Team	Fall 2015	Signed Contract with EduClimber
Ensure all data is uploaded and secure	Technology Director Curriculum Director	2015-2016 School Year Ongoing	Data can be accessed
Train the Trainer	Technology Director Curriculum Director	2015-16 School Year Ongoing	Trainees will train additional staff
Train Staff	Teacher Leaders	2016-17 School Year	Staff use EduClimber during August data retreat
Infuse data into instruction and RtI	Admin Teacher Leaders	2016-19 Ongoing	Data is used at inservice, staff meetings, data retreat, etc.

Appendix

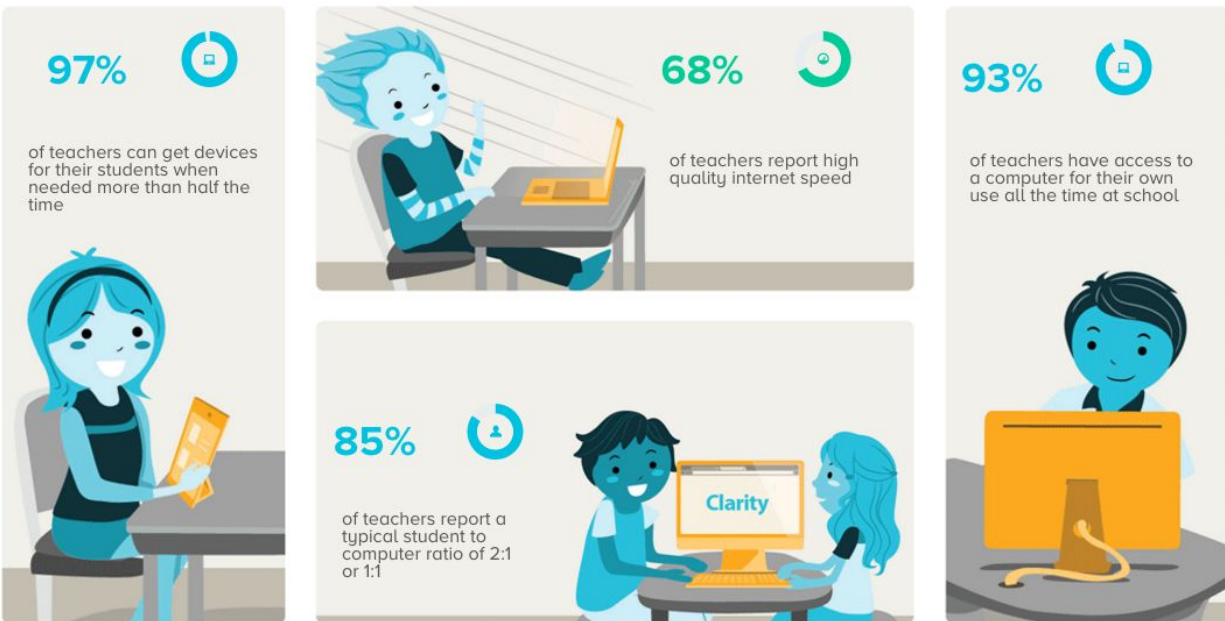
A. Clarity Professional Development Report



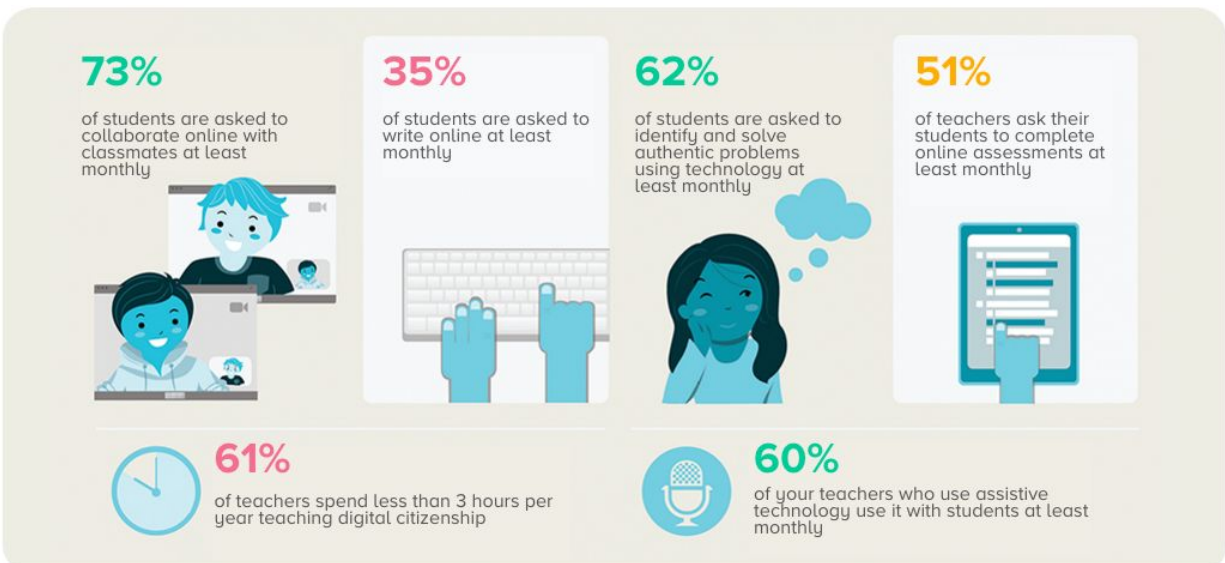
B. Clarity Curriculum Report



C. Infrastructure at School Report



D. 21st Century Learning Report



E. Referendum Budget (subject to change)

General Overview

Breakdown of capital costs in calculating Total Cost of Ownership for Ed Tech

Cost Categories	Costs
Hardware	Desktops Laptops Printers Projectors Servers Access Points
Software	Admin Applications Licensing Fees Educational Programs File and Network Security Virus Protection
Facilities	Wiring Classroom Modification Security Furniture
Installation	Design Third Party Expertise

Breakdown of administrative and operating costs in calculating Total Cost of Ownership for Ed Tech

Cost Categories	Costs
Technology Planning	Technical Expertise Surveys Admin Time
Upgrade and Replacement	Desktops Software Operating System Printers
Internal Support	Technical Staff Replacement Parts
Support Contracts	Fee/Payments
Facilities	Air Conditioning Electricity Telecommunications charges

Breakdown of end user operation costs in calculating Total Cost of Ownership for Ed Tech

Cost Category	Costs
Staff Development	Subs Teacher Training Peer Support (Tech Mentors)
Teaching Costs	Curriculum Development
User Downtime	Technical Applications Learning New Applications

2014-15 Estimated Costs

School	Hardware/Software/Supplies, etc.	Approximate Cost
BP/Journey	Windows 7 upgrade Switch	\$1500 \$12,000
MP/Quest	Chromebooks	\$25,000
RMS/Catalyst	Carts Windows 7 upgrade	\$8000 \$1500
RHS/Lumen	Frosh Chromebooks	\$40,000
District Wide	Access Points	\$10,000
District Wide	Palo Alto (Filter/Firewall)	\$35,000
District Wide	UPS Battery Backup	\$8,000
Total		\$141,000
Contingency		\$19,000

2015-16 Estimated Costs

School	Hardware/Software/Supplies, etc.	Approximate Cost
MP/Quest	Chromebooks Teacher Laptops	\$8,500 \$25,000
BP/Journey	Chromebooks	\$8500
RMS/Catalyst	Chromebooks RMS Teacher Laptops Chromebook Cart	\$25,500 \$25,000 \$3,750
RHS/Lumen	Frosh Chromebooks Crossroads Teachers	\$40,000 \$3,000
District Wide	Core Switch	Paid through building referendum
Total		\$126,500
Contingency		\$21,250

2016-17 Estimated Costs

School	Hardware/Software/Supplies, etc.	Approximate Cost
BP/Journey	iPads Chromebooks as needed	\$6,000
RMS/Catalyst	Chromebooks	\$8500 Paid through e rate funds
MP/Quest	Chromebooks	34,500
RHS/Lumen	Frosh Chromebooks Teacher Laptops	\$32,000 \$25,000
District Wide	SANs Unitrends	\$40,000 \$20,000
Total		\$157,500
Contingency		\$2,500

2017-18 Estimated Costs

School	Hardware/Software/Supplies, etc.	Approximate Cost
BP/Journey	Lab Upgrade to Chromebooks iPads	\$8,500 \$10,000
MP/Quest	Desktop Upgrade	\$10,000
RMS/Catalyst	Chromebooks	\$8,500
RHS/Lumen	Frosh Chromebooks	\$40,000
District Wide	VoiP Upgrade	\$40,000
Total		\$117,000
Contingency		\$43,000

2018-19 Estimated Costs

School	Hardware/Software/Supplies, etc.	Approximate Cost
BP/Journey	Teacher Laptops	\$25,000
MP/Quest	Chromebooks	\$16,500
RMS/Catalyst	Chromebooks	\$30,000
RHS/Lumen	Frosh Chromebooks	\$40,000
District Wide	Possible AP Upgrade	\$35,000
Total		\$156,500
Contingency		\$13,500

***Any year outlined above may change based on need.**