CHARLESTON

CUSD NUMBER ONE

2020-2023 District Technology Plan

Approved by the Charleston Board of Education on 6/17/2020

Enclosed is the 2020-2023 District Technology Plan. This plan was developed based around four areas which are:

- o Curriculum, Instruction and Assessment
- o Leadership
- o Community
- o Infrastructure

The plan was developed by a sub-committee of the Educational Technology (ET) Committee beginning in November of 2018. That sub-committee consisted of Dani Bily, Suzie Bosler, Brian A. Doty, Laura Hawk, Amy Jackson, Holly Pantle, Kyle Perry, Aimee Repking, Jacob Roskovensky, Kim Sherwood, Amber Spitz, Tara Richeson, Donna Williams and myself. The entire ET Committee reviewed the plan along with the District and Building Administrators in March of 2019 and again in early 2020. There have been a few tweaks to the plan to reflect the current status of the district's technology department reorganization for the 2020-2021 school year and the CARES Act funding. Both Ms. Holly Pantle, 2020-21 Educational Technology Director and Mr. Kyle Perry, 2020-21 Infrastructural Director have reviewed the plan submitted.

As in the past, funding for the three year technology plan is decided on a year to year basis and is determined by the funds available to the district for that upcoming school year. Both the Educational Technology Director and the Infrastructural Director will submit their annual budgets to Mr. Chad Burgett which reflect the items on this plan. If the original amount requested in the plan is not entirely funded then items within the plan are readjusted to fit the funding amount given. In keeping with past practice the cost of new staff is not included in the overall budget totals.

Teaching: Curriculum, Instruction and Assessment

GOAL: Educators will design and develop learning experiences and assessments to integrate digital literacy and digital citizenship skills within the curriculum maps throughout the grade levels.

Strategy T.1	*Build awareness and provide training among staff on the District's Technology Scope and Sequence which covers digital literacy proficiency levels at each grade.*		Date	
	Activities		**Start**	**End**
T.1.1	Building Administration will introduce and/or reinforce the District's Technology Scope and Sequence to staff and make staff aware that this curriculum is a priority during the August Professional Development days held each year.		2020	2023
T.1.2	Curriculum mapping committees will include an Ed. Tech Committee (ETC) member to insure that the technology scope and sequence skills are integrated into the updated curricular maps.		2020	2023
T.1.3	Ed. Tech Committee members will annually review the District's Technology Scope and Sequence in May. Revisions, if needed, will be made in the summer. If revisions are made the Ed. Tech Committee will review and vote on changes at their first meeting of the new school year (August/September)		2020	2023
T.1.4	Building Administration will monitor the progress of the Technology Scope and Sequence in their building through the pre and post teacher evaluations. Specific questions on how the teacher is implementing this scope and sequence in their instruction will asked.		2021	2023
T.1.5	All students will be assessed on their technology skills each year in the fall. After year 1 scores will be compared to determine if there has been a gain in skills. This test will be administrated in the student's homeroom class, homebase class, or reading class.		2021	2023
T.1.6	All teachers will integrate the technology scope and sequence skills included in their curricular maps.		2022	2023

Teaching: Curriculum, Instruction and Assessment

Strategy T.2	*Staff and students will learn about and understand issues related to the appropriate and ethical use of technology, leading to the development of good digital citizenship habits.*	Date	
	Activities	**Start**	**End**
T.2.1	The Internet Safety curriculum will be implemented each year at each grade level.	2020	2023
T.2.2	The Internet Safety curriculum will be revised annually by a committee in order to provide our students with the most up-to-date information and to meet the guidelines of state and federal laws.	2020	2023
T.2.3	Students and staff will be made aware, will understand, and will enforce the components of the District's Board Policies. (i.e. Acceptable Use Policy, Bullying, SOPPA, etcetera)	2020	2023
T.2.4	Staff will strive to balance safety and security while providing students opportunities to learn and acccess information through the use of technology and online resources.	2020	2023
T.2.5	Develop, implement and review a plan that includes guidelines on how the district will meet the Student Online Personal Protection Act (SOPPA). This act begins 7/1/2021.	2020	2023

Teaching: Curriculum, Instruction and Assessment

Strategy T.3	*Students, teachers, and administrators will have support and resources to transform our classrooms into digital learning environments.*	Date	
	Activities	**Start**	**End**
T.3.1	Communication and productivity tools will be made available to staff and students. (i.e. Skyward Student, Office 365, Clever, Apptegy).	2020	2023
T.3.2	Setup, train and support the use of Empower, the district's learning management system.	2020	2023
T.3.3	Provide and support programs and online applications which meet curricular needs.	2020	2023
T.3.4	Curriculum Committees along with the Ed. Tech Committee will review, evaluate and recommend online resources that enhance and support the district curriculum maps.	2020	2023
T.3.5	Secondary Curriculum Council will review, evaluate, and recommend the online credit recovery courses for secondary students. (such as Apex, CBE, etc.)	2020	2023
T.3.6	A shared online space will be created and maintained by the Educational Technology Director which will be assessible to all staff. This space will contain a list of online resources, training videos, and other materials.	2020	2023
T.3.7	Textbooks and their supplemental resources will be adopted that can be accessed online.	2020	2023
T.3.8	Technology will be accessible to all students and will accomodate and support a student's individual plan. (i.e. IEP, RtI, 504, ESL, etc.)	2020	2023
T.3.9	An Instructional Technologist position will be created. The position will model, support and coach teachers in their curriculum/technology integration.	2021	2023
T.3.10	The Instructional Technologist position will be evaluated annually to determine the effectiveness of the position and if there is a need to add additional instructional technologist positions.	2021	2023

Leadership

GOAL: Provide a foundation of leadership, administration, and services that supports exceptional teaching and learning through the current technology scope and sequence.

Strategy L.1	*A variety technology trainings will be provided based on the results from the district/building needs assessments and on the district technology individual needs assessment.*	Date	
	Activities	**Start**	**End**
L.1.1	Educational Technology committee will investigate, create, pilot and annually review a staff technology self-assessment tool and personal learning goal template.	2020	2021
L.1.2	Administration will provide, when possible, release time (such as early out days or sub days) at the completion of technology workshop opportunities for staff to practice and implement learned workshop strategies.	2020	2023
L.1.3	Staff will share knowledge they gained from technology workshops and subsequent release time with district staff at early out days, and in district workshops.	2020	2023
L.1.4	The Educational Technology Director will be utilized for trainings and modeling technology use.	2020	2023
L.1.5	Staff will create a technology learning goal(s) after completing the District Technology Self-Assessment.	2021	2023
L.1.6	Staff will share their personal technology learning goals with administration at the start of the school year so that professional development opportunities can be provided to improve identified technology deficits.	2021	2023
L.1.7	The Instructional Technologist will be utilized for trainings and modeling technology use.	2021	2023

Leadership

Strategy L.2	*Effective educators will apply the approved technology scope and sequence as they design, model, implement, and assess students' learning.*	Date	
	Activities	**Start**	**End**
L.2.1	Staff will seek opportunities to address the weaknesses identified in their personal technology learning goals. These areas will be submitted to the Educational Technology Director and Instructional Technologist.	2021	2023
L.2.2	The Director of Education and Instructional Technologist will be utilized for assisting with integrating technology into specific curriculum maps.	2021	2023
L.2.3	Staff will implement newly learned technology knowledge and skills into their job.	2022	2023

Leadership

Strategy L.3	*District administrators/leaders will model and monitor the appropriate use of technology based on the National Technology Plan, Future Ready, and District Technology Scope and Sequence.*	Date	
	Activities	**Start**	**End**
L.3.1	The PERA committee will review the current teacher evaluation tool and insure that specify technology components are included to enable progress monitoring.	2020	2023
L.3.2	Educators will be provided with feedback during their summative evaluation on their technology integration and curricular delivery when using current and emerging technologies.	2020	2023
L.3.3	Staff will identify an area of technology they feel they can train others to use or a technology they can provide support on and submit that information to the Infrastructural Technology Director and Educational Technology Director.	2020	2023
L.3.4	Each building will select at least one technology advocate who will identify staff technology needs, report those to the administration and serve on the district educational technology committee.	2020	2023
L.3.5	Staff's personal technology learning goals will be submitted to the Educational Technology Director and Instructional Technologist to make data driven decisions to identify technological needs.	2021	2023

Community

GOAL: Build strong school, home, and community relations which utilize technology in order to enhance student learning.

Strategy C.1	*Foster a partnership with all educational stakeholders.*		Date	
	Activities		**Start**	**End**
C.1.1	Collaborate with partners from K-12, parents, students, higher education, and community members to share resources and promote student improvement. (community hotspots, databases, events, speakers, workshops, etcetera)		2020	2023
C.1.2	Provide a list of resources for student support. (i.e. tutoring, counseling, etcetara).		2020	2023
C.1.3	Provide parents secure electronic access to student information through student information systems. (i.e. Skyward Student, Empower, e-Funds)		2020	2023
C.1.4	Provide parental and community access to online resources. (i.e. websites, databases, event calendars, etc.)		2020	2023
C.1.5	Provide opportunities to develop global and cultural awareness through face-to-face and online interactions.		2020	2023

	Community			

Strategy C.2	*Provide multiple modes of communication to all educational stakeholders.*		**Date**	
	Activities		**Start**	**End**
C.2.1	Utilize voice and email messaging along with text alerts.		2020	2023
C.2.2	Create, maintain, and utilize websites for district, buildings, and individual teachers.		2020	2023
C.2.3	Maintain presence on social media sites. (i.e. Facebook, Twitter, Instagram, etc.)		2020	2023
C.2.4	Utilize school marqee.		2020	2023
C.2.5	Provide in-person and virtual meet and greets, open forums, board meetings etcetera.		2020	2023

Infrastructure			
GOAL: The district will provide a wide range of technology for all students and staff with the necessary policies, procedures, and resources in place to support the educational environment.			

Strategy I.1	*Maintain a reliable, safe and secure digital environment.*	**Date**	
	Activities	**Start**	**End**
I.1.1	Maintain relevant infrastructure protection - antivirus software, malware, firewall, mobile device management, etcetera.	2020	2023
I.1.2	Provide CIPA compliant content filtering for all district devices.	2020	2023
I.1.3	Provide upgrades, maintenance and support for core hardware/software.	2020	2023
I.1.4	Support, evaluate and patch the district phone system.	2020	2023
I.1.5	Develop, implement and test annually a disaster recovery plan for core applications and services, including network, email, student resource systems, and internal databases.	2020	2023

Infrastructure

Strategy I.2	*Provide relevant staff and resources to support the technology utilized by the district.*		Date	
	Activities		**Start**	**End**
I.2.1	Provide a minimum district infrastructure support at a ratio of 1 technician per 700-1000 students/staff.		2020	2023
I.2.2	Utilize the list of staff who identifed areas of technology hardware they feel they can assist others on. (as stated on L.3.3)		2020	2023
I.2.3	Promote a self-help knowledge-based FAQ system along with help desk support.		2020	2023
I.2.4	Implement single sign-on for all users.		2021	2023

Infrastructure

Strategy I.3	*Provide and maintain equipment that meets the district's academic needs.*		Date	
	Activities		**Start**	**End**
I.3.1	Provide a device for staff that aligns with their needs with a refresh rate of 4-6 years.		2020	2023
I.3.2	Review annually the purpose and need of stationary/mobile labs with relation to instructional and assessment needs. If labs are kept, refresh every 5-7 years.		2020	2023
I.3.3	Provide K-6 CBE classrooms a minimum of 15 laptops and charging station with a refresh rate of 5-7 years.		2020	2023
I.3.4	Provide K-6 non-CBE classrooms at least 5 devices with a refresh rate of 5-7 years.		2020	2023
I.3.5	Setup, support and maintain the 1:1 students devices with a refresh rate of 4-6 years.		2020	2023
I.3.6	Provide device/software when required for students with an individual learning plan. (i.e. IEP, ESL, 504, RtI, etc.)		2020	2023
I.3.7	Maintain and replace projectors and interactive devices. (i.e. SMART board, interactive display, etc.)		2020	2023
I.3.8	Maintain and replace peripheral devices. (i.e. building printers, document cameras, etc.)		2020	2023
I.3.9	Maintain District wide inventory of technology devices.		2020	2023
I.3.10	Provide a technology trouble ticket site to report issues with district owned devices.		2020	2023
I.3.11	Update district owned devices to extend their life whenever possible. (RAM, Hard Drive, etc.)		2020	2023
I.3.12	Evaluate the pros and the cons of 1:1 at the Grades 7-12 in order to determine if 1:1 should continue to lower grades.		2021	2023

Infrastructure

Strategy I.4	Provide 24/7 access to software, programs, and applications.		Date	
	Activities		**Start**	**End**
I.4.1	Provide access and delivery of applications. (i.e. Office 365, Skyward Student server, Versatrans server)		2020	2023
I.4.2	Research implementing a virtual desktop environment to support the needs for all learners.		2021	2023
I.4.3	Implement a virtual desktop environment with anytime, anywhere access.		2022	2023

Infrastructure

Strategy I.5	*Provide an infrastructure that supports instructional efforts both now and in the future.*		Date	
	Activities		**Start**	**End**
I.5.1	Implement the recommendations from the National Technology Plan regarding bandwidth/internet capacity.		2020	2023
I.5.2	Ensure wiring in all buildings is updated to current cabling standards.		2021	2023
I.5.3	Implement additional connectivity between buildings so there is not a single point of failure.		2022	2023

Budget

Year One - 2020-2021

Strategy	Activities	Budget & Funding Sources			
		Total	District	Other	Specify Other Source
T.1.1	Building Administration will introduce and/or reinforce the District's Technology Scope and Sequence to staff and make staff aware that this curriculum is a priority during the August Professional Development days held each year.	-	-	-	
T.1.2	Curriculum mapping committees will include an Ed. Tech Committee (ETC) member to insure that the technology scope and sequence skills are integrated into the updated curricular maps.	-	-	-	
T.1.3	Ed. Tech Committee members will annually review the District's Technology Scope and Sequence in May. Revisions, if needed, will be made in the summer. If revisions are made the Ed. Tech Committee will review and vote on changes at their first meeting of the new school year (August/September)	1,400.00	1,400.00	-	
T.2.1	The Internet Safety curriculum will be implemented each year at each grade level.	-	-	-	
T.2.2	The Internet Safety curriculum will be revised annually by a committee in order to provide our students with the most up-to-date information and to meet the guidelines of state and federal laws.	850.00	850.00	-	
T.2.3	Students and staff will be made aware, will understand, and will enforce the components of the District's Board Policies. (i.e. Acceptable Use Policy, Bullying, SOPPA, etcetera)	-	-	-	
T.2.4	Staff will strive to balance safety and security while providing students opportunities to learn and acccess information through the use of technology and online resources.	-	-	-	
T.2.5	Develop, implement and review a plan that includes guidelines on how the district will meet the Student Online Personal Protection Act (SOPPA). This act begins 7/1/2021.	850.00	850.00	-	
T.3.1	Communication and productivity tools will be made available to staff and students. (i.e. Skyward Student, Office 365, Clever, Apptegy).	59,250.00	59,250.00	-	
T.3.2	Setup, train and support the use of Empower, the district's learning management system.	-	-		$34,500 CARES $$

Budget

Year One - 2020-2021

Strategy	Activities	Budget & Funding Sources			
		Total	District	Other	Specify Other Source
T.3.3	Provide and support programs and online applications which meet curricular needs.	13,000.00	13,000.00	-	
T.3.4	Curriculum Committees along with the Ed. Tech Committee will review, evaluate and recommend online resources that enhance and support the district curriculum maps.	-	-	-	
T.3.5	Secondary Curriculum Council will review, evaluate, and recommend the online credit recovery courses for secondary students. (such as Apex, CBE, etc.)	-	-	-	
T.3.6	A shared online space will be created and maintained by the Educational Technology Director which will be assessible to all staff. This space will contain a list of online resources, training videos, and other materials.	-	-	-	
T.3.7	Textbooks and their supplemental resources will be adopted that can be accessed online.	-	-		Building $$
T.3.8	Technology will be accessible to all students and will accomodate and support a student's individual plan. (i.e. IEP, RtI, 504, ESL, etc.)	-	-		Special Ed $$
L.1.1	Educational Technology committee will investigate, create, pilot and annually review a staff technology self-assessment tool and personal learning goal template.	1,700.00	1,700.00	-	
L.1.2	Administration will provide, when possible, release time (such as early out days or sub days) at the completion of technology workshop opportunities for staff to practice and implement learned workshop strategies.	4,000.00	4,000.00	-	
L.1.3	Staff will share knowledge they gained from technology workshops and subsequent release time with district staff at early out days, and in district workshops.	-	-	-	
L.1.4	The Educational Technology Director will be utilized for trainings and modeling technology use.		-		Staff
L.3.1	The PERA committee will review the current teacher evaluation tool and insure that specify technology components are included to enable progress monitoring.	-	-	-	

Budget

Year One - 2020-2021

Strategy	Activities	Budget & Funding Sources			
		Total	District	Other	Specify Other Source
L.3.2	Educators will be provided with feedback during their summative evaluation on their technology integration and curricular delivery when using current and emerging technologies.	-	-	-	
L.3.3	Staff will identify an area of technology they feel they can train others to use or a technology they can provide support on and submit that information to the Infrastructural Technology Director and Educational Technology Director.	-	-	-	
L.3.4	Each building will select at least one technology advocate who will identify staff technology needs, report those to the administration and serve on the district educational technology committee.	-	-	-	
C.1.1	Collaborate with partners from K-12, parents, students, higher education, and community members to share resources and promote student improvement. (community hotspots, databases, events, speakers, workshops, etcetera)	5,000.00	5,000.00		$24,000 Hotspots CARES $$
C.1.2	Provide a list of resources for student support. (i.e. tutoring, counseling, etcetara).	-	-	-	
C.1.3	Provide parents secure electronic access to student information through student information systems. (i.e. Skyward Student, Empower, e-Funds)	10,600.00	10,600.00	-	
C.1.4	Provide parental and community access to online resources. (i.e. websites, databases, event calendars, etc.)	60,000.00	60,000.00	-	
C.1.5	Provide opportunities to develop global and cultural awareness through face-to-face and online interactions.	-	-	-	
C.2.1	Utilize voice and email messaging along with text alerts.	-	-	-	
C.2.2	Create, maintain, and utilize websites for district, buildings, and individual teachers.	12,000.00	12,000.00	-	
C.2.3	Maintain presence on social media sites. (i.e. Facebook, Twitter, Instagram, etc.)	-	-	-	

Budget

Year One - 2020-2021

Strategy	Activities	Budget & Funding Sources			
		Total	District	Other	Specify Other Source
C.2.4	Utilize school marqee.	-	-	-	
C.2.5	Provide in-person and virtual meet and greets, open forums, board meetings etcetera.	2,000.00	2,000.00	-	
I.1.1	Maintain relevant infrastructure protection - antivirus software, malware, firewall, mobile device management, etcetera.	21,000.00	21,000.00		MDM $72,000 CARES $$
I.1.2	Provide CIPA compliant content filtering for all district devices.	23,200.00	23,200.00	-	
I.1.3	Provide upgrades, maintenance and support for core hardware/software.	186,000.00	186,000.00	-	
I.1.4	Support, evaluate and patch the district phone system.	5,000.00	5,000.00	-	
I.1.5	Develop, implement and test annually a disaster recovery plan for core applications and services, including network, email, student resource systems, and internal databases.	-	-	-	Developing
I.2.1	Provide a minimum district infrastructure support at a ratio of 1 technician per 700-1000 students/staff.	-	-		Staff
I.2.2	Utilize the list of staff who identifed areas of technology hardware they feel they can assist others on. (as stated on L.3.3)	-	-	-	
I.2.3	Promote a self-help knowledge-based FAQ system along with help desk support.	-	-	-	
I.3.1	Provide a device for staff that aligns with their needs with a refresh rate of 4-6 years.	37,000.00	37,000.00		$20,000.00 Cares $$

Budget

Year One - 2020-2021

Strategy	Activities	Budget & Funding Sources			
		Total	District	Other	Specify Other Source
I.3.2	Review annually the purpose and need of stationary/mobile labs with relation to instructional and assessment needs. If labs are kept, refresh every 5-7 years.	-	-	-	
I.3.3	Provide K-6 CBE classrooms a minimum of 15 laptops and charging station with a refresh rate of 5-7 years.	56,670.00	56,670.00	-	
I.3.4	Provide K-6 non-CBE classrooms at least 5 devices with a refresh rate of 5-7 years.	-	-	-	
I.3.5	Setup, support and maintain the 1:1 students devices with a refresh rate of 4-6 years. Grades 7-12	-	-		$303,760.00 Cares $$
I.3.6	Provide device/software when required for students with an individual learning plan. (i.e. IEP, ESL, 504, RtI, etc.)	-	-		Special Ed
I.3.7	Maintain and replace projectors and interactive devices. (i.e. SMART board, interactive display, etc.)	4,000.00	4,000.00	-	
I.3.8	Maintain and replace peripheral devices. (i.e. building printers, document cameras, etc.)	4,000.00	4,000.00	-	
I.3.9	Maintain District wide inventory of technology devices.	1,000.00	1,000.00	-	
I.3.10	Provide a technology trouble ticket site to report issues with district owned devices.	-	-	-	
I.3.11	Update district owned devices to extend their life whenever possible. (RAM, Hard Drive, etc.)	19,000.00	19,000.00	-	
I.4.1	Provide access and delivery of applications. (i.e. Office 365, Skyward Student server, Versatrans server)	-	-	-	

Budget

Year One - 2020-2021

Strategy	Activities		Budget & Funding Sources			
			Total	District	Other	Specify Other Source
I.5.1	Implement the recommendations from the National Technology Plan regarding bandwidth/internet capacity.		-	-		$36,300 Phone
Total for Year One - 2020-2021			**$ 527,520.00**	**$ 527,520.00**	**$ -**	

Budget

Year Two - 2021-2022

Strategy	Activities	Budget & Funding Sources			
		Total	District	Other Specify:	Specify Other Source
T.1.1	Building Administration will introduce and/or reinforce the District's Technology Scope and Sequence to staff and make staff aware that this curriculum is a priority during the August Professional Development days held each year.	-	-	-	
T.1.2	Curriculum mapping committees will include an Ed. Tech Committee (ETC) member to insure that the technology scope and sequence skills are integrated into the updated curricular maps.	-	-	-	
T.1.3	Ed. Tech Committee members will annually review the District's Technology Scope and Sequence in May. Revisions, if needed, will be made in the summer. If revisions are made the Ed. Tech Committee will review and vote on changes at their first meeting of the new school year (August/September)	1,400.00	1,400.00	-	
T.1.4	Building Administration will monitor the progress of the Technology Scope and Sequence in their building through the pre and post teacher evaluations. Specific questions on how the teacher is implementing this scope and sequence in their instruction will asked.	-	-	-	
T.1.5	All students will be assessed on their technology skills each year in the fall. After year 1 scores will be compared to determine if there has been a gain in skills. This test will be administered in the student's homeroom class, homebase class, or reading class.	-	-	-	
T.2.1	The Internet Safety curriculum will be implemented each year at each grade level.	-	-	-	
T.2.2	The Internet Safety curriculum will be revised annually by a committee in order to provide our students with the most up-to-date information and to meet the guidelines of state and federal laws.	950.00	950.00	-	
T.2.3	Students and staff will be made aware, will understand, and will enforce the components of the District's Board Policies. (i.e. Acceptable Use Policy, Bullying, SOPPA, etcetera)	-	-	-	
T.2.4	Staff will strive to balance safety and security while providing students opportunities to learn and acccess information through the use of technology and online resources.	-	-	-	

Budget

Year Two - 2021-2022

Strategy	Activities	Budget & Funding Sources			
		Total	District	Other Specify:	Specify Other Source
T.2.5	Develop, implement and review a plan that includes guidelines on how the district will meet the Student Online Personal Protection Act (SOPPA). This act begins 7/1/2021.	950.00	950.00	-	
T.3.1	Communication and productivity tools will be made available to staff and students. (i.e. Skyward Student, Office 365, Clever, Apptegy).	63,000.00	63,000.00	-	
T.3.2	Setup, train and support the use of Empower, the district's learning management system.	-	-		$30,500 CARES $$
T.3.3	Provide and support programs and online applications which meet curricular needs.	13,000.00	13,000.00	-	
T.3.4	Curriculum Committees along with the Ed. Tech Committee will review, evaluate and recommend online resources that enhance and support the district curriculum maps.	-	-	-	
T.3.5	Secondary Curriculum Council will review, evaluate, and recommend the online credit recovery courses for secondary students. (such as Apex, CBE, etc.)	-	-	-	
T.3.6	A shared online space will be created and maintained by the Educational Technology Director which will be assessible to all staff. This space will contain a list of online resources, training videos, and other materials.	-	-	-	
T.3.7	Textbooks and their supplemental resources will be adopted that can be accessed online.	-	-		Building $$
T.3.8	Technology will be accessible to all students and will accomodate and support a student's individual plan. (i.e. IEP, RtI, 504, ESL, etc.)	-	-		Special Ed $$
T.3.9	An Instructional Technologist position will be created. The position will model, support and coach teachers in their curriculum/technology integration.	-	-		Staff $$
T.3.10	The Instructional Technologist position will be evaluated annually to determine the effectiveness of the position and if there is a need to add additional instructional technologist positions.	-	-	-	

Budget

Year Two - 2021-2022

Strategy	Activities	Budget & Funding Sources			
		Total	**District**	**Other Specify:**	**Specify Other Source**
L.1.1	Educational Technology committee will investigate, create, pilot and annually review a staff technology self-assessment tool and personal learning goal template. (Review in Yr 2)	1,400.00	1,400.00	-	
L.1.2	Administration will provide, when possible, release time (such as early out days or sub days) at the completion of technology workshop opportunities for staff to practice and implement learned workshop strategies.	4,000.00	4,000.00		Grant $$ Building $$
L.1.3	Staff will share knowledge they gained from technology workshops and subsequent release time with district staff at early out days, and in district workshops.	-	-	-	
L.1.4	The Educational Technology Director will be utilized for trainings and modeling technology use.	-	-	-	
L.1.5	Staff will create a technology learning goal(s) after completing the District Technology Self-Assessment.		-	-	
L.1.6	Staff will share their personal technology learning goals with administration at the start of the school year so that professional development opportunities can be provided to improve identified technology deficits.	-	-	-	
L.1.7	The Instructional Technologist will be utilized for trainings and modeling technology use.	-	-	-	
L.2.1	Staff will seek opportunities to address the weaknesses identified in their personal technology learning goals. These areas will be submitted to the Educational Technology Director and Instructional Technologist.	-	-	-	
L.2.2	The Director of Education and Instructional Technologist will be utilized for assisting with integrating technology into specific curriculum maps.	-	-	-	
L.3.1	The PERA committee will review the current teacher evaluation tool and insure that specify technology components are included to enable progress monitoring.	-	-	-	

Budget

Year Two - 2021-2022

Strategy	Activities	Budget & Funding Sources			
		Total	District	Other Specify:	Specify Other Source
L.3.2	Educators will be provided with feedback during their summative evaluation on their technology integration and curricular delivery when using current and emerging technologies.	-	-	-	
L.3.3	Staff will identify an area of technology they feel they can train others to use or a technology they can provide support on and submit that information to the Infrastructural Technology Director and Educational Technology Director.	-	-	-	
L.3.4	Each building will select at least one technology advocate who will identify staff technology needs, report those to the administration and serve on the district educational technology committee.	-	-	-	
L.3.5	Staff's personal technology learning goals will be submitted to the Educational Technology Director and Instructional Technologist to make data driven decisions to identify technological needs.	-	-	-	
C.1.1	Collaborate with partners from K-12, parents, students, higher education, and community members to share resources and promote student improvement. (community hotspots, databases, events, speakers, workshops, etcetera)	29,000.00	29,000.00	-	
C.1.2	Provide a list of resources for student support. (i.e. tutoring, counseling, etcetara).	-	-	-	
C.1.3	Provide parents secure electronic access to student information through student information systems. (i.e. Skyward Student, Empower, e-Funds)	11,000.00	11,000.00	-	
C.1.4	Provide parental and community access to online resources. (i.e. websites, databases, event calendars, etc.)	60,000.00	60,000.00	-	
C.1.5	Provide opportunities to develop global and cultural awareness through face-to-face and online interactions.	-	-	-	
C.2.1	Utilize voice and email messaging along with text alerts.	-	-	-	
C.2.2	Create, maintain, and utilize websites for district, buildings, and individual teachers.	12,000.00	12,000.00	-	

Budget

Strategy	Activities	Budget & Funding Sources			
		Total	District	Other Specify:	Specify Other Source
C.2.3	Maintain presence on social media sites. (i.e. Facebook, Twitter, Instagram, etc.)	-	-	-	
C.2.4	Utilize school marqee.	-	-	-	
C.2.5	Provide in-person and virtual meet and greets, open forums, board meetings etcetera.	2,000.00	2,000.00	-	
I.1.1	Maintain relevant infrastructure protection - antivirus software, malware, firewall, mobile device management, etcetera.	105,000.00	105,000.00	-	
I.1.2	Provide CIPA compliant content filtering for all district devices.	17,000.00	17,000.00	-	
I.1.3	Provide upgrades, maintenance and support for core hardware/software.	208,000.00	208,000.00	-	
I.1.4	Support, evaluate and patch the district phone system.	5,000.00	5,000.00	-	
I.1.5	Develop, implement and test annually a disaster recovery plan for core applications and services, including network, email, student resource systems, and internal databases.	60,000.00	60,000.00	-	Implementing
I.2.1	Provide a minimum district infrastructure support at a ratio of 1 technician per 700-1000 students/staff.	-	-		Staff
I.2.2	Utilize the list of staff who identifed areas of technology hardware they feel they can assist others on. (as stated on L.3.3)	-	-	-	
I.2.3	Promote a self-help knowledge-based FAQ system along with help desk support.	-	-	-	
I.2.4	Implement single sign-on for all users.	-		-	
I.3.1	Provide a device for staff that aligns with their needs with a refresh rate of 4-6 years.	54,000.00	54,000.00	-	

Budget

Year Two - 2021-2022

Strategy	Activities	Budget & Funding Sources			
		Total	District	Other Specify:	Specify Other Source
I.3.2	Review annually the purpose and need of stationary/mobile labs with relation to instructional and assessment needs. If labs are kept, refresh every 5-7 years.	-	-	-	
I.3.3	Provide K-6 CBE classrooms a minimum of 15 laptops and charging station with a refresh rate of 5-7 years. (20 classrooms)	180,000.00	180,000.00	-	
I.3.4	Provide K-6 non-CBE classrooms at least 5 devices with a refresh rate of 5-7 years.	-	-	-	
I.3.5	Setup, support and maintain the 1:1 students devices with a refresh rate of 4-6 years. (Add Grade 6)	60,000.00	60,000.00	-	
I.3.6	Provide device/software when required for students with an individual learning plan. (i.e. IEP, ESL, 504, RtI, etc.)	-	-		Special Ed $$
I.3.7	Maintain and replace projectors and interactive devices. (i.e. SMART board, interactive display, etc.)	4,000.00	4,000.00	-	
I.3.8	Maintain and replace peripheral devices. (i.e. building printers, document cameras, etc.)	4,000.00	4,000.00	-	
I.3.9	Maintain District wide inventory of technology devices.	1,000.00	1,000.00	-	
I.3.10	Provide a technology trouble ticket site to report issues with district owned devices.	-	-	-	
I.3.11	Update district owned devices to extend their life whenever possible. (RAM, Hard Drive, etc.)	19,000.00	19,000.00	-	

Budget

Year Two - 2021-2022

Strategy	Activities	Budget & Funding Sources			
		Total	District	Other Specify:	Specify Other Source
I.3.12	Evaluate the pros and the cons of 1:1 at the Grades 7-12 in order to determine if 1:1 should continue to lower grades.	-	-	-	
I.4.1	Provide access and delivery of applications. (i.e. Office 365, Skyward Student server, Versatrans server)	-	-	-	
I.4.2	Research implementing a virtual desktop environment to support the needs for all learners.	-	-	-	
I.5.1	Implement the recommendations from the National Technology Plan regarding bandwidth/internet capacity.	-	-		$44,000 Phone $$
I.5.2	Ensure wiring in all buildings is updated to current cabling standards.	60,000.00	60,000.00	-	
Total for Year Two - 2021-2022		$ 975,700.00	$ 975,700.00	$ -	

Budget

Year Three - 2022-2023

Strategy	Activities	Budget & Funding Sources			
		Total	District	Other Specify:	Specify Other Source
T.1.1	Building Administration will introduce and/or reinforce the District's Technology Scope and Sequence to staff and make staff aware that this curriculum is a priority during the August Professional Development days held each year.	-	-	-	
T.1.2	Curriculum mapping committees will include an Ed. Tech Committee (ETC) member to insure that the technology scope and sequence skills are integrated into the updated curricular maps.	-	-	-	
T.1.3	Ed. Tech Committee members will annually review the District's Technology Scope and Sequence in May. Revisions, if needed, will be made in the summer. If revisions are made the Ed. Tech Committee will review and vote on changes at their first meeting of the new school year (August/September)	1,400.00	1,400.00	-	
T.1.4	Building Administration will monitor the progress of the Technology Scope and Sequence in their building through the pre and post teacher evaluations. Specific questions on how the teacher is implementing this scope and sequence in their instruction will asked.	-	-	-	
T.1.5	All students will be assessed on their technology skills each year in the fall. After year 1 scores will be compared to determine if there has been a gain in skills. This test will be administrated in the student's homeroom class, homebase class, or reading class.	-	-	-	
T.1.6	All teachers will integrate the technology scope and sequence skills included in their curricular maps.	-	-	-	
T.2.1	The Internet Safety curriculum will be implemented each year at each grade level.	-	-	-	
T.2.2	The Internet Safety curriculum will be revised annually by a committee in order to provide our students with the most up-to-date information and to meet the guidelines of state and federal laws.	1,000.00	1,000.00	-	
T.2.3	Students and staff will be made aware, will understand, and will enforce the components of the District's Board Policies. (i.e. Acceptable Use Policy, Bullying, SOPPA, etcetera)	-	-	-	

Budget

Year Three - 2022-2023

		Budget & Funding Sources			
Strategy	Activities	Total	District	Other Specify:	Specify Other Source
T.2.4	Staff will strive to balance safety and security while providing students opportunities to learn and acccess information through the use of technology and online resources.	-	-	-	
T.2.5	Develop, implement and review a plan that includes guidelines on how the district will meet the Student Online Personal Protection Act (SOPPA). This act begins 7/1/2021.	-	-	-	
T.3.1	Communication and productivity tools will be made available to staff and students. (i.e. Skyward Student, Office 365, Clever, Apptegy).	65,000.00	65,000.00	-	
T.3.2	Setup, train and support the use of Empower, the district's learning management system.	32,000.00	32,000.00	-	
T.3.3	Provide and support programs and online applications which meet curricular needs.	13,000.00	13,000.00	-	
T.3.4	Curriculum Committees along with the Ed. Tech Committee will review, evaluate and recommend online resources that enhance and support the district curriculum maps.	-	-	-	
T.3.5	Secondary Curriculum Council will review, evaluate, and recommend the online credit recovery courses for secondary students. (such as Apex, CBE, etc.)	-	-	-	
T.3.6	A shared online space will be created and maintained by the Educational Technology Director which will be assessible to all staff. This space will contain a list of online resources, training videos, and other materials.	-	-	-	
T.3.7	Textbooks and their supplemental resources will be adopted that can be accessed online.	-	-	-	Building $$
T.3.8	Technology will be accessible to all students and will accomodate and support a student's individual plan. (i.e. IEP, RtI, 504, ESL, etc.)	-	-	-	Special Ed $$
T.3.9	An Instructional Technologist position will be created. The position will model, support and coach teachers in their curriculum/technology integration.	-	-	-	Staff $$

Budget

Year Three - 2022-2023

Strategy	Activities	Budget & Funding Sources			
		Total	**District**	**Other Specify:**	**Specify Other Source**
T.3.10	The Instructional Technologist position will be evaluated annually to determine the effectiveness of the position and if there is a need to add additional instructional technologist positions.	-	-	-	
L.1.1	Educational Technology committee will investigate, create, pilot and annually review a staff technology self-assessment tool and personal learning goal template.	1,400.00	1,400.00	-	
L.1.2	Administration will provide, when possible, release time (such as early out days or sub days) at the completion of technology workshop opportunities for staff to practice and implement learned workshop strategies.	4,000.00	4,000.00	-	
L.1.3	Staff will share knowledge they gained from technology workshops and subsequent release time with district staff at early out days, and in district workshops.	-	-	-	
L.1.4	The Educational Technology Director will be utilized for trainings and modeling technology use.	-	-	-	
L.1.5	Staff will create a technology learning goal(s) after completing the District Technology Self-Assessment.	-	-	-	
L.1.6	Staff will share their personal technology learning goals with administration at the start of the school year so that professional development opportunities can be provided to improve identified technology deficits.	-	-	-	
L.1.7	The Instructional Technologist will be utilized for trainings and modeling technology use.	-	-	-	
L.2.1	Staff will seek opportunities to address the weaknesses identified in their personal technology learning goals. These areas will be submitted to the Educational Technology Director and Instructional Technologist.	-	-	-	
L.2.2	The Director of Education and Instructional Technologist will be utilized for assisting with integrating technology into specific curriculum maps.	-	-	-	

Budget

Year Three - 2022-2023

Strategy	Activities	Budget & Funding Sources			
		Total	District	Other Specify:	Specify Other Source
L.2.3	Staff will implement newly learned technology knowledge and skills into their job.	-	-	-	
L.3.1	The PERA committee will review the current teacher evaluation tool and insure that specify technology components are included to enable progress monitoring.	-	-	-	
L.3.2	Educators will be provided with feedback during their summative evaluation on their technology integration and curricular delivery when using current and emerging technologies.	-	-	-	
L.3.3	Staff will identify an area of technology they feel they can train others to use or a technology they can provide support on and submit that information to the Infrastructural Technology Director and Educational Technology Director.	-	-	-	
L.3.4	Each building will select at least one technology advocate who will identify staff technology needs, report those to the administration and serve on the district educational technology committee.	-	-	-	
L.3.5	Staff's personal technology learning goals will be submitted to the Educational Technology Director and Instructional Technologist to make data driven decisions to identify technological needs.	-	-	-	
C.1.1	Collaborate with partners from K-12, parents, students, higher education, and community members to share resources and promote student improvement. (community hotspots, databases, events, speakers, workshops, etcetera)	29,000.00	29,000.00	-	
C.1.2	Provide a list of resources for student support. (i.e. tutoring, counseling, etcetara).	-	-	-	
C.1.3	Provide parents secure electronic access to student information through student information systems. (i.e. Skyward Student, Empower, e-Funds)	11,000.00	11,000.00	-	
C.1.4	Provide parental and community access to online resources. (i.e. websites, databases, event calendars, etc.)	65,000.00	65,000.00	-	
C.1.5	Provide opportunities to develop global and cultural awareness through face-to-face and online interactions.	-	-	-	

Budget

Year Three - 2022-2023

Strategy	Activities	Budget & Funding Sources			
		Total	District	Other Specify:	Specify Other Source
C.2.1	Utilize voice and email messaging along with text alerts.	-	-	-	
C.2.2	Create, maintain, and utilize websites for district, buildings, and individual teachers.	13,000.00	13,000.00	-	
C.2.3	Maintain presence on social media sites. (i.e. Facebook, Twitter, Instagram, etc.)	-	-	-	
C.2.4	Utilize school marqee.	-	-	-	
C.2.5	Provide in-person and virtual meet and greets, open forums, board meetings etcetera.	2,000.00	2,000.00	-	
I.1.1	Maintain relevant infrastructure protection - antivirus software, malware, firewall, mobile device management, etcetera.	105,000.00	105,000.00	-	
I.1.2	Provide CIPA compliant content filtering for all district devices.	19,000.00	19,000.00	-	
I.1.3	Provide upgrades, maintenance and support for core hardware/software.	100,000.00	100,000.00	-	
I.1.4	Support, evaluate and patch the district phone system.	5,000.00	5,000.00	-	
I.1.5	Develop, implement and test annually a disaster recovery plan for core applications and services, including network, email, student resource systems, and internal databases.	60,000.00	60,000.00	-	Implemented-now maintaining
I.2.1	Provide a minimum district infrastructure support at a ratio of 1 technician per 700-1000 students/staff.	-	-		Staff $$
I.2.2	Utilize the list of staff who identifed areas of technology hardware they feel they can assist others on. (as stated on L.3.3)	-	-	-	
I.2.3	Promote a self-help knowledge-based FAQ system along with help desk support.	-	-	-	

Budget

Year Three - 2022-2023

Strategy	Activities	Budget & Funding Sources			
		Total	District	Other Specify:	Specify Other Source
I.2.4	Implement single sign-on for all users.	-	-	-	
I.3.1	Provide a device for staff that aligns with their needs with a refresh rate of 4-6 years.	54,000.00	54,000.00	-	
I.3.2	Review annually the purpose and need of stationary/mobile labs with relation to instructional and assessment needs. If labs are kept, refresh every 5-7 years.	28,000.00	28,000.00	-	
I.3.3	Provide K-6 CBE classrooms a minimum of 15 laptops and charging station with a refresh rate of 5-7 years. (25 Classrooms)	225,000.00	225,000.00	-	
I.3.4	Provide K-6 non-CBE classrooms at least 5 devices with a refresh rate of 5-7 years.	30,000.00	30,000.00	-	
I.3.5	Setup, support and maintain the 1:1 students devices with a refresh rate of 4-6 years. (Maintain Grades 6-12)	15,000.00	15,000.00	-	
I.3.6	Provide device/software when required for students with an individual learning plan. (i.e. IEP, ESL, 504, RtI, etc.)	-	-		Special Ed $$
I.3.7	Maintain and replace projectors and interactive devices. (i.e. SMART board, interactive display, etc.)	10,000.00	10,000.00	-	
I.3.8	Maintain and replace peripheral devices. (i.e. building printers, document cameras, etc.)	5,000.00	5,000.00	-	
I.3.9	Maintain District wide inventory of technology devices.	1,100.00	1,100.00	-	
I.3.10	Provide a technology trouble ticket site to report issues with district owned devices.	-	-	-	
I.3.11	Update district owned devices to extend their life whenever possible. (RAM, Hard Drive, etc.)	20,000.00	20,000.00	-	

Budget

Year Three - 2022-2023

Strategy	Activities	Budget & Funding Sources			
		Total	**District**	**Other Specify:**	**Specify Other Source**
I.3.12	Evaluate the pros and the cons of 1:1 at the Grades 7-12 in order to determine if 1:1 should continue to lower grades.	-	-	-	
I.4.1	Provide access and delivery of applications. (i.e. Office 365, Skyward Student server, Versatrans server)	5,000.00	5,000.00	-	
I.4.3	Implement a virtual desktop environment with anytime, anywhere access.	175,000.00	175,000.00	-	
I.5.1	Implement the recommendations from the National Technology Plan regarding bandwidth/internet capacity.	-	-		$44,000 Phone $$
I.5.2	Ensure wiring in all buildings is updated to current cabling standards.	60,000.00	60,000.00	-	
I.5.3	Implement additional connectivity between buildings so there is not a single point of failure.	20,000.00	20,000.00		$37,000 Phone $$
Total for Year Three - 2022-2023		$ 1,174,900.00	$ 1,174,900.00	$ -	