

GISD 2020-2021 TECHNOLOGY PLAN: OVERVIEW

ABOUT GISD:

SUPERINTENDENT: DR. JEREMY GLENN

ESC REGION	11
CITY, STATE, ZIP	GRANBURY, TEXAS 76048
PHONE	(817) 408-4000
COUNTY DISTRICT NUMBER	111901
NUMBER OF CAMPUSES	10
TOTAL STUDENT ENROLLMENT	7474
PERCENT ECONOMICALLY DISADVANTAGED	52.7%
TECHNOLOGY EXPENDITURES	\$ 2, 271,737



SUMMARY:

Granbury ISD strives for personalized, flexible, empowered learning based on the individual needs of each student. Therefore, GISD's Technology Plan emphasizes equitable and appropriate access to technology for all students in order for each student to maximize potential, foster creativity, enhance collaboration, communicate effectively, think critically, and demonstrate learning in a variety of creative, engaging methods. The district recognizes the foundation for student success as a safe and secure environment that supports the ongoing transformation of student learning, services, and tools throughout every facet of the district. Our goal is that all students and staff become technology literate and be responsible digital citizens; that is, use appropriate technology in a manner that is responsible, safe, respectful and legal in everyday technology use both at and away from school. Ongoing, timely professional development is the key for successful transformation of student learning. GISD will continue to provide support in all content areas and departments in order to foster an environment that provides balanced, innovative, authentic learning opportunities for all students.

FUNDING SOURCES:

Funding sources included in the technology plan include local funds from campus and department budgets, federal funds, grant funds such as GEF, instructional materials allotment, and other program specific funds.

NEEDS ASSESSMENT:

ASSESSMENT PROCESS

A comprehensive needs assessment utilizing inventories, campus improvement plans, G2025, usage reports, district surveys, and BrightBytes Data is used to analyze the current state of technology in the district and determine future needs. Findings from items analyzed are reflected in our Classroom, Access, Skills, and Environment (CASE) report from collected parent, student, and teacher data. To facilitate the development of the plan, and to ensure that all areas of Granbury ISD's Strategic Plan (G2025) are considered, the GISD professional development committee, the district advisory committee, and the campus committees are utilized to assist in the development of the needs assessments and campus goals/objectives/activities and evaluations. These various committees are comprised of business leaders, parents, community partners, students, teachers, administrators, and district staff. The core district technology committee compiles the results to ensure a common vision among all stakeholders. Special committees and task forces are created as specific needs arise in order to determine the best means for meeting specific needs.



ASSESSMENT FINDINGS

Granbury ISD continues to believe that technology plays an integral role in the teaching and learning process. Data shows that 89% of teachers believe that technology use in class enhances student learning and 97% of teachers say their school encourages the use of technology in teaching and learning. However, there is a disconnect between belief and practice in the classroom. 36% of teachers ask students to solve and authentic problem on a regular basis and only 46% ask them to use online tools to research topics online. We must work to bridge the belief-to-practice divide. Quality professional development is key to building this bridge. GISD will continue to provide quality training opportunities for staff and parents in order to help every student each his/her full potential.

An optimal infrastructure is key to successful implementation of any technology. All stakeholders must have confidence in the network's reliability and security. GISD will continue to ensure appropriate resources are in place to support and maintain networks and equipment. GISD will continue to maintain existing support contracts and lease agreements. Access is key for parents, students, and staff. While data supports timely access to information and 24 hour or less turnaround time on issues, continuous evaluation is required to ensure all needs are being met. Changes in curriculum needs, such as online testing, online textbooks and other resources require additions and updates to the district's software, servers, network, and telephone equipment. Flexible learning environments require continued density of the wireless network to support learning in every area, including outdoor learning spaces.

Granbury utilizes various software to meet both administrative and educational needs. Skyward is used as both our financial software and our student information systems. The district utilizes an IP telephony communications network. Schoolwires, along with ESC 11, hosts the GISD website which offers quality, current information to staff, students, and the community. The GISD website is maintained by the Public Information Officer. An acceptable use policy (AUP) is in place for both staff and students to ensure adherence to the highest standards of technology use. GISD will continue to follow and abide by all legislation.

Technology hardware is purchased via a centralized purchasing process to ensure standardization of all equipment. All stakeholders will work together to determine standards for devices and viable replacement schedules. GISD will continuously investigate the latest advancements in technology to ensure all students are equipped to succeed. Hardware includes model classroom equipment, access points, switches, voice gateways, servers, storage, and student and teacher devices. GISD currently supports a 10GB wide-area-network to all campuses. A state of the art network operations center (NOC) serves the needs of the district. The NOC utilizes a state of the art hot aisle containment system and a generator to maintain connectivity at all times. An offsite disaster recovery solution is in place. The district provides 11GB of internet bandwidth to support the educational needs and demands of our digital resources.



VISION STATEMENT

All students are equipped with the skills to be inspired, contributing citizens excelling in any chosen endeavor within a dynamic global society.

MISSION STATEMENT

Our mission, in collaboration with unique partnerships, is to provide a rigorous academic curriculum along with enriching and individualized opportunities empowering every student to compete in an ever-changing world.

G2025 TECHNOLOGY GOAL STATEMENT

We will maintain an optimal infrastructure that supports the appropriate number of devices to engage students in innovative, balanced, ethical, authentic learning opportunities and the training necessary to implement effectively.

- **Objective 1**

We will provide and maintain an optimal infrastructure that supports the appropriate number of devices to engage students in innovative, balanced, ethical, authentic learning opportunities.

- o Strategy 1: Maintain an infrastructure that facilitates communication, instruction, and other educational services
- o Strategy 2: Ensure appropriate resources are in place to support and maintain networks and equipment
- o Strategy 3: Increase access in all learning spaces
- o Strategy 4: Continue the implementation of a cybersecurity policy to secure the district cyberinfrastructure against cyberattacks and other cybersecurity incidents, determine cybersecurity risk, and implement mitigation planning
- o Strategy 5: Determine appropriate staffing to support an increasing number of student and teacher devices

- **Objective 2**

We will work with all stakeholders to determine the appropriate sustainable devices for each grade level to support balanced, innovative, engaging learning opportunities for all students.

- o Strategy 1: Establish a committee that represents all involved stakeholders to determine the appropriate device for each grade level and content
- o Strategy 2: Secure financing to maintain an appropriate replacement schedule



- **Objective 3**

Students will be exposed to an array of innovative, authentic learning opportunities empowering them to demonstrate their learning in a variety of creative, engaging methods.

- Strategy 1: Empower students to utilize technology to think collaboratively and critically to solve real world problems
- Strategy 2: Through effective planning, empower teachers to develop engaging opportunities for students to take their learning beyond the walls of their classroom
- Strategy 3: Foster new educational challenges for students through genius hour, hour of code, enrichment clubs, new courses, and other learning opportunities
- Strategy 4: Provide an assortment of plugged and unplugged opportunities for students to demonstrate their learning
- Strategy 5: Embed digital citizenship into daily learning

- **Objective 4**

We will provide quality training opportunities for staff and parents that support innovative, balanced, ethical, authentic learning for students. (Training will be provided face-to-face, online, on-demand, in the classroom, and by request.)

- Strategy 1: Empower teachers to bridge the belief-to-practice divide
- Strategy 2: Foster 4C (communication, collaboration, creativity, and critical thinking) aligned professional development
- Strategy 3: Provide targeted professional development aiming at differentiating instruction
- Strategy 4: Provide learning opportunities for teachers to utilize technology for both formative and summative assessments
- Strategy 5: Extend training to parents and at-home stakeholders

- **Objective 5**

Establish procedures to meet all state and federal regulations

- Strategy 1: Employ technology as a tool to facilitate data-driven decision making, access and maintain necessary records, and streamline reporting
- Strategy 2: Mandate cybersecurity training program that focuses on forming information security habits and procedures that protect information resources, and teach best practices for detecting, assessing, reporting, and addressing information security threats.



OBJECTIVE 1:

We will provide and maintain an optimal infrastructure that supports the appropriate number of devices to engage students in innovative, balanced, ethical, authentic learning opportunities.

Supporting CASE Data Variables	<p>CLASSROOM</p> <ul style="list-style-type: none"> ● 94% of students report frequency of computer use in the classroom at least once per week ● 79% of students report daily computer use in the classroom ● 96% of students report having access to a computer at school when they need one
	<p>ACCESS</p> <ul style="list-style-type: none"> ● 90% of teachers report that the quality of internet speed at school is excellent or above average
	<p>SKILLS</p> <ul style="list-style-type: none"> ● 444 teachers had direct instruction in technology integration <ul style="list-style-type: none"> ○ Technology Driven Classroom only ● 498 teachers had direct instruction in technology integration <ul style="list-style-type: none"> ○ #Teach4Gr8ness
	<p>ENVIRONMENT</p> <p>752 wireless access points are available for connectivity Staff & student devices include 7326 Chromebooks, 2554 iPads, and 1130 Chromeboxes in GISD</p>
Texas Long Range Plan for Technology 2018-2023	
<ul style="list-style-type: none"> ● Personalized, Flexible, Empowered Learning ● Equitable Access ● Safety and Security ● Reliable Infrastructure 	



STRATEGY 1

Maintain infrastructure that facilitates communication, instruction, and other educational services

The state recommends a 10GB WAN and at least 1GB internet access per 1000 students. In GISD, a 10GB WAN is in place for all campuses and 11GB of internet is available across GISD. An access point is installed in every classroom to accommodate at least one device per student. GISD maintains a VOIP solution for all campuses. GISD also has emergency contact via AlertUs for all staff on personal and district owned devices. All network equipment is maintained according to industry standard. The network operations center (NOC) is an integral part of this process.

LRPT	Owner	Timeline	Budget/Resources	Success Measure
<ul style="list-style-type: none"> ● Personalized, Flexible, Empowered Learning ● Equitable Access ● Safety and Security ● Reliable Infrastructure 	<ul style="list-style-type: none"> ● Director of Technology 	<p>July 2020-June 2021</p>	<p>\$ 603,160 Funding sources include eRate funds and the technology budget</p> <ul style="list-style-type: none"> ● All necessary forms on file with USAC ● Valid support contracts ● Industry standard equipment ● Necessary Storage Environment ● Internet filtering software in place according to rules and regulations ● Valid ISDN Prime Interfaces with DID 	<ul style="list-style-type: none"> ● Uninterrupted availability of necessary access to resources ● Valid fiber optic lease contract ● Valid internet service contracts ● Technology inventory ● Network statistics ● Valid telephone service contract ● Partnership with ESC XI Internet Consortium ● AlertUs Usage



STRATEGY 2

Ensure appropriate resources are in place to support and maintain networks and equipment

With the increased reliance on technology, it is imperative that GISD experience minimal downtime. To ensure this, GISD maintains valid support contracts for mission critical software and hardware. Battery-powered backups are in place in all racks, as well as a generator in the network operations center (NOC). GISD also stays current on domain name registration, district-owned IP blocks, licensing for all software for both servers and end-user equipment. A disaster recovery solution is also in place, including hardware and software.

LRPT	Owner	Timeline	Budget/Resources	Success Measure
<ul style="list-style-type: none"> ● Personalized, Flexible, Empowered Learning ● Equitable Access ● Safety and Security ● Reliable Infrastructure 	<ul style="list-style-type: none"> ● Director of Technology 	July 2020-June 2021	\$ 274,570 Funding sources include the technology budget <ul style="list-style-type: none"> ● SmartNet ● Microsoft Licenses ● ARIN registration Extreme Contracts ● UPS in place ● Generator for NOC ● Disaster Recovery Documentation ● Infoblox 	<ul style="list-style-type: none"> ● Valid license agreements ● Valid support contracts ● Full access to both IPv4 & IPv6 networks ● Technology inventory ● Network statistics ● Content filtering software ● Valid SSL Certificates



STRATEGY 3

Increase access in all learning spaces

GISD strives to provide access to technology in all learning spaces. Outdoor learning spaces and common areas are essential to the learning process.

LRPT	Owner	Timeline	Budget/Resources	Success Measure
<ul style="list-style-type: none"> ● Personalized, Flexible, Empowered Learning ● Equitable Access ● Reliable Infrastructure 	Director of Technology	July 2020-June 2021	\$ 35,000 Funding source is the technology budget and C2 eRate funds <ul style="list-style-type: none"> ● Outdoor access points ● Dense coverage in large common spaces 	<ul style="list-style-type: none"> ● Access in all learning spaces <ul style="list-style-type: none"> ○ Classrooms ○ Outdoor learning areas ○ Large common areas ○ Access at home



STRATEGY 4

Continue the implementation of a cybersecurity policy to secure district cyberinfrastructure against cyberattacks and other cybersecurity incidents, determine cybersecurity risk, and implement mitigation planning

GISD must determine cyber security risk and implement mitigation planning. GISD must work to maintain a secure district cyberinfrastructure against cyberattacks and other cybersecurity incidents. Each district must designate a cybersecurity coordinator to serve as the liaison between district and TEA.

<ul style="list-style-type: none"> • Safety and Security • Reliable Infrastructure 	<ul style="list-style-type: none"> • Director of Technology • Network Administrators 	<p>July 2020-June 2021</p>	<p>\$ 85,000 Funding source is the technology budget</p> <ul style="list-style-type: none"> • Adequate Firewall • Continuous Monitoring 	<ul style="list-style-type: none"> • Logs • Monitoring Stats • Cybersecurity Liaison • Security plan • Incident Reports
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STRATEGY 5

Determine appropriate staffing to support an increasing number of student and teacher devices

GISD technology department will need to procure an appropriate amount of staff necessary to support the increase in the number of teacher and student devices throughout the district as well as instructional coordinators to support effective teacher implementation to maximize authentic student learning.

LRPT	Owner	Timeline	Budget/Resources	Success Measure
<ul style="list-style-type: none"> ● Personalized, Flexible, Empowered Learning ● Equitable Access 	<ul style="list-style-type: none"> ● Director of Technology 	July 2020-June 2021	\$ -- No funding necessary to determine the appropriate number of employees. Local funds would be used if personnel increased.	<ul style="list-style-type: none"> ● Timely response to teacher/staff technology work orders ● Instructional Technology Coordinators available to support teaching and learning



OBJECTIVE 2:

We will work with all stakeholders to determine the appropriate sustainable devices for each grade level to support balanced, innovative, engaging learning opportunities for all students.

Supporting CASE Data Variables	<p>CLASSROOM</p> <ul style="list-style-type: none"> ● In grades K-5, 15 devices are available in classrooms at all times ● In 6-8, there are 10 chromebooks in every classroom ● Mobile Labs are available on each campus for shared classroom use
	<p>ACCESS</p> <ul style="list-style-type: none"> ● According to inventory, 100% of all classroom teachers have access to a minimum of two devices ● 89% of teachers have a third device (chromebook) ● 91% of students have access to a device outside of school
	<p>SKILLS</p> <ul style="list-style-type: none"> ● 32% increase from 2018 data collection to 2019 data collection in student-reported ease of connecting to devices via bluetooth or wifi
	<p>ENVIRONMENT</p> <ul style="list-style-type: none"> ● According to inventory, all classroom teachers have access to a minimum of two devices. Those that have attended a #Teach4Gr8ness conference have a third device. ● Daily average of unique BYOD clients is 2688.8
Texas Long Range Plan for Technology 2018-2023	
<ul style="list-style-type: none"> ● Personalized, Flexible, Empowered Learning ● Equitable Access ● Reliable Infrastructure ● Collaborative Leadership 	



STRATEGY 1

Establish a committee that represents all involved stakeholders to determine the appropriate device for each grade level and content

GISD works to ensure students are exposed to and have appropriate access to a variety of devices in order to select the most appropriate tool to accomplish the task at hand and completely demonstrate learning. As technology evolves and our district grows, we must continuously monitor and adjust available resources for all grade levels on a regular basis.

LRPT	Owner	Timeline	Budget/Resources	Success Measure
<ul style="list-style-type: none"> ● Personalized, Flexible, Empowered Learning ● Equitable Access ● Reliable Infrastructure ● Collaborative Leadership 	<ul style="list-style-type: none"> ● Director of Technology ● Instructional Technology ● Campus Administration ● Classroom Teachers ● Students ● Parents ● School Board 	<p>July 2020-June 2021</p>	<p>\$ --- No budget necessary for committee.</p>	<ul style="list-style-type: none"> ● Feedback from students & teachers ● Usage statistics from all devices



STRATEGY 2

Secure financing to maintain an appropriate replacement schedule

In preparation for G2025, the GISD technology staff will need to prepare for and secure financing to replace student and teacher devices, as well as network components.

LRPT	Owner	Timeline	Budget/Resources	Success Measure
<ul style="list-style-type: none"> ● Personalized, Flexible, Empowered Learning ● Equitable Access ● Reliable Infrastructure 	<ul style="list-style-type: none"> ● Director of Technology ● Technology Department 	July 2020-June 2021	\$500,000 **Significant additional funding must be committed in order for GISD to maintain a 4-year replacement cycle for existing equipment and a larger investment is necessary to strive to become and maintain a 1:1 environment.**	<ul style="list-style-type: none"> ● Viable devices for all teachers ● Timely replacement of outdated or damaged devices ● Budget amount directly correlates to decisions made by committee of all stakeholders



OBJECTIVE 3:

Students will be exposed to an array of innovative, authentic learning opportunities empowering them to demonstrate their learning in a variety of creative, engaging methods.

Supporting CASE Data Variables	<p>CLASSROOM</p> <ul style="list-style-type: none"> ● 58% of students are rarely asked to create using technology ● Less than half of GISD students report they receive digital feedback from their teachers or peers
	<p>ACCESS</p> <ul style="list-style-type: none"> ● 84% of teachers report a ratio of at least 2 students to one device in their classrooms ● 75% of teachers report that they are able to obtain computers for their students when they need them all the time, while 0% report rarely or never being able to obtain devices
	<p>SKILLS</p> <ul style="list-style-type: none"> ● While 89% of our teachers utilize technology weekly to consume online content and collaborate online, only 33% of teachers utilize technology to think critically or create blogs, reviews, or participate in learning networks
	<p>ENVIRONMENT</p> <ul style="list-style-type: none"> ● 79% of teachers report that school filters rarely or never prevent access to websites needed for classes ● 88% of teachers believe technology use in class can enhance student learning ● 97% of teachers believe their school encourages technology use for teaching and learning ● 84% of teachers want to learn more about effective technology use for teaching and learning
Texas Long Range Plan for Technology 2018-2023	
<ul style="list-style-type: none"> ● Personalized, Flexible, Empowered Learning ● Equitable Access ● Digital Citizenship ● Safety and Security 	



STRATEGY 1

Empower students to utilize technology to determine real-world problems and find a viable solution

GISD teachers must be equipped with the necessary skills in order to plan and provide authentic, real-world learning opportunities for students incorporating the 4Cs. These opportunities must be relevant, timely, and foster creativity, critical thinking, collaboration, and effective communication.

LRPT	Owner	Timeline	Budget/Resources	Success Measure
<ul style="list-style-type: none"> ● Personalized, Flexible, Empowered Learning ● Equitable Access ● Digital Citizenship 	<ul style="list-style-type: none"> ● Director of Technology ● Instructional Technology 	July 2020-June 2021	\$ 7,500 Funding sources include the technology budget, the special education department budget, and the curriculum department budget <ul style="list-style-type: none"> ● Course selection ● Technology resources available 	<ul style="list-style-type: none"> ● BrightBytes Data ● PD Participation ● Participation in #Teach4Gr8ness Rally June 2020



STRATEGY 2

Through effective planning, develop engaging opportunities for students to take their learning beyond the walls of their classroom

Technology allows students to grow exponentially through seeking experts outside of the school, city, and nation. Students are able to explore places they have never been and experience opportunities never before possible. GISD technology will model and secure opportunities for all teachers and students.

LRPT	Owner	Timeline	Budget/Resources	Success Measure
<ul style="list-style-type: none"> ● Personalized, Flexible, Empowered Learning ● Equitable Access ● Digital Citizenship ● Safety and Security 	<ul style="list-style-type: none"> ● Director of Technology ● Instructional Technology 	July 2020-June 2021	\$ 7,000 Funding sources include technology budget, special education budget, CTE budget, and curriculum department budget. <ul style="list-style-type: none"> ● Instructional Technology Coordinator's Schedule 	<ul style="list-style-type: none"> ● PD Participation ● BrightBytes Data ● Student Portfolios ● Participation in #Teach4Gr8ness Rally ● Academically aligned extracurricular activities



STRATEGY 3

Foster new educational challenges for students through genius hour, hour of code, enrichment clubs, new courses, and other learning opportunities

GISD will investigate and bring engaging learning challenges to teachers and students that foster independence and stimulate creative problem solving skills. New challenges will expand on opportunities such as genius hour, enrichment classes, coding challenges, and 20% time, in order to reach as many students as possible.

LRPT	Owner	Timeline	Budget/Resources	Success Measure
<ul style="list-style-type: none"> ● Personalized, Flexible, Empowered Learning ● Equitable Access ● Digital Citizenship 	<ul style="list-style-type: none"> ● Director of Technology ● Instructional Technology ● Curriculum Department ● Campus Administration ● Assistant Superintendent ● Human Resources 	July 2020-June 2021	\$ 5,000 Funding sources include technology budget, CTE budget, and curriculum department budget. <ul style="list-style-type: none"> ● CTE courses offered at middle and high schools ● Bridging the gap between Mambrino STEAM and middle school students ● Instructional Technology Coordinator's Schedule 	<ul style="list-style-type: none"> ● PD Participation ● BrightBytes Data ● Student Engagement ● Organized Centers in Classrooms ● Classroom Visits ● Participation in #Teach4Gr8ness Rally ● Targeted Campus Strategies



STRATEGY 4

Provide an assortment of plugged and unplugged opportunities for students to demonstrate their learning

Empower students with the freedom to adapt learning to their own interests, abilities, and style in order maintain engaged, motivated learners with a purpose and an authentic audience.

LRPT	Owner	Timeline	Budget/Resources	Success Measure
<ul style="list-style-type: none"> ● Personalized, Flexible, Empowered Learning ● Equitable Access 	<ul style="list-style-type: none"> ● Director of Technology ● Instructional Technology ● Campus Administration ● Teachers 	July 2020-June 2021	\$ 6,500 Funding sources include technology budget, special education budget, CTE budget, campus budgets and curriculum department budget. <ul style="list-style-type: none"> ● Instructional Technology Coordinator's Schedule 	<ul style="list-style-type: none"> ● PD Participation ● BrightBytes Data ● Widespread usage of rubrics ● Campus Enrichment/Genius Hour participation ● Campus Family Nights



STRATEGY 5

Embed digital citizenship into daily learning

According to Senate Bill 11, “SBOE shall require each school district to incorporate instruction in digital citizenship into the district’s curriculum, including information regarding the potential criminal consequences of cyberbullying.”

LRPT	Owner	Timeline	Budget/Resources	Success Measure
<ul style="list-style-type: none"> ● Personalized, Flexible, Empowered Learning ● Equitable Access ● Digital Citizenship ● Safety and Security 	<ul style="list-style-type: none"> ● Director of Technology ● Instructional Technology ● Curriculum Department ● Campus Administration ● Classroom Teachers 	July 2019- June 2020	\$ 15,000 <ul style="list-style-type: none"> ● KnowBe4 ● G-Suite ● Nearpod ● Skyward ● Instructional Technology Coordinator’s Schedule 	<ul style="list-style-type: none"> ● Teacher lesson plans ● Student created content ● Campus Discipline Data ● KnowBe4 Data ● NearPod/Common Sense Media Usage ● Network Statistics ● Schools of Character Information



OBJECTIVE 4:

We will provide quality training opportunities for staff and parents that support innovative, balanced, ethical, authentic learning for students. (Training will be provided face-to-face, online, on-demand, in the classroom, and by request.)

Supporting CASE Data Variables	<p>CLASSROOM</p> <ul style="list-style-type: none"> 56% of teachers use technology to build and administer assessments that inform instructional practices
	<p>ACCESS</p> <ul style="list-style-type: none"> 23% increase in staff attendance at GISD Teach4Gr8ness Rally from 2018-2019 Out of district technology professional development costs have decreased Since implementation of #Teach4Gr8ness, 73% of staff chooses to complete 9-33 hours of technology professional development per year
	<p>SKILLS</p> <ul style="list-style-type: none"> 88% of teachers report that they are capable of finding good solutions when having issues with technology
	<p>ENVIRONMENT</p> <ul style="list-style-type: none"> 87% of teachers report that the speed of support for instructional technology planning is within 24 hours
Texas Long Range Plan for Technology 2018-2023	
<ul style="list-style-type: none"> Personalized, Flexible, Empowered Learning Equitable Access Digital Citizenship Collaborative Leadership Digital Citizenship 	



STRATEGY 1

Empower teachers to bridge the belief-to-practice divide

In order to meet the technology goals outlined in G2025, GISD technology must support teachers as they move from simply believing in the power of technology to leveraging it in the classroom. Professional learning must be driven on areas of need as well as supported by the instructional technology team through co-teaching, lesson planning, modeling, and collaboration during PLC/planning times.

LRPT	Owner	Timeline	Budget/Resources	Success Measure
<ul style="list-style-type: none"> ● Personalized, Flexible, Empowered Learning ● Equitable Access ● Digital Citizenship ● Collaborative Leadership 	<ul style="list-style-type: none"> ● Director of Technology ● Instructional Technology ● Campus Administration 	July 2020-June 2021	\$ 20,000 <ul style="list-style-type: none"> ● Presenters for #Teach4Gr8ness ● Instructional Technology Coordinator's Schedule 	<ul style="list-style-type: none"> ● BrightBytes Data ● PD Participation ● Participation in #Teach4Gr8ness Rally June 2020 ● Classroom technology implementation ● Classroom Visits



STRATEGY 2

Foster 4C (communication, collaboration, creativity, and critical thinking) aligned professional development

Understanding the importance for 21st century learning skills is vital to maintaining a teaching force that is prepared to incorporate technology into their teaching in meaningful ways. GISD Technology will encourage and support teachers by providing a supportive school environment that, in turn, fosters innovative classroom practices.

LRPT	Owner	Timeline	Budget/Resources	Success Measure
<ul style="list-style-type: none"> ● Personalized, Flexible, Empowered Learning ● Equitable Access ● Digital Citizenship ● Collaborative Leadership 	<ul style="list-style-type: none"> ● Director of Technology ● Instructional Technology 	July 2020-June 2021	\$ 75,000 <ul style="list-style-type: none"> ● G Suite ● Nearpod ● EdPuzzle ● Kidblog ● ZSpace ● Library Software ● Databases ● Online Textbooks ● BrainPop ● NewsELA ● OdysseyWare ● Storia ● Education Galaxy ● Microsoft Suite ● AudioBooks ● Other necessary instructional software 	<ul style="list-style-type: none"> ● BrightBytes Data ● PD Participation ● Participation in #Teach4Gr8ness Rally June 2020 ● Eduphoria Statistics ● Classroom technology implementation ● Teacher participation in PLNs

STRATEGY 3



Provide targeted professional development aiming at differentiating instruction

As the number of students in GISD grows and the needs of the students change, GISD must continue to strive for adaptive and individualized learning based on each student's needs and abilities. Specific tools and professional development must be provided in order to facilitate learning for all.

LRPT	Owner	Timeline	Budget/Resources	Success Measure
<ul style="list-style-type: none"> ● Personalized, Flexible, Empowered Learning ● Equitable Access ● Digital Citizenship ● Reliable Infrastructure ● Collaborative Leadership 	<ul style="list-style-type: none"> ● Director of Technology ● Instructional Technology ● Campus Administration 	<p>July 2020-June 2021</p>	<p>\$ 65,000</p> <ul style="list-style-type: none"> ● Storia ● Fountas and Pinnell Online Resources ● Screencastify ● ReadyRosie ● NNAT3 ● Online Textbooks ● ZSpace ● Accessibility Tools <ul style="list-style-type: none"> ○ Read/Write Extensions ○ Speech to Text ○ Kami ○ GSuite ○ BrainPop ESL ○ Adobe Creative Cloud 	<ul style="list-style-type: none"> ● BrightBytes Data ● PD Participation ● Participation in #Teach4Gr8ness Rally June 2020 ● Classroom Visits ● Software usage stats

STRATEGY 4

Provide learning opportunities for teachers to utilize technology for both formative and summative assessments



GISD technology will support ways in which technology, such as forms, rubrics, discussion boards or real-time polls, can support reliable formative assessment that support learning during the process and provides students personalized, real-time feedback. GISD technology will expand on professional development opportunities for administrators, counselors, teachers, and students toward seamless integration of online local and state assessments including common assessments, STAAR testing, AP tests, and EOC tests.

LRPT	Owner	Timeline	Budget/Resources	Success Measure
<ul style="list-style-type: none"> ● Personalized, Flexible, Empowered Learning ● Equitable Access ● Digital Citizenship ● Reliable Infrastructure ● Collaborative Leadership 	<ul style="list-style-type: none"> ● Director of Technology ● Instructional Technology ● Curriculum Department ● Campus Administration ● District/Campus Testing Coordinators 	<p>July 2020-June 2021</p>	<p>\$ 72,000</p> <ul style="list-style-type: none"> ● Turn It In ● NewsELA ● DMAC ● iStation ● NWEA Map ● CLI Engage ● G Suite ● Nearpod ● EdPuzzle ● Skyward 	<ul style="list-style-type: none"> ● District Common Assessment Scores ● State Assessment Scores ● Student Success Indicators ● Classroom Visits ● Data ● Online STAAR testing participation



STRATEGY 5

Extend training to parents and at-home stakeholders

Parents and guardians are invaluable to the learning process. The GISD technology department must encourage these stakeholders to be actively involved and make them aware of all available resources. Opportunities for input and time to get questions answered are crucial parts of successful to authentic learning and effective technology integration.

LRPT	Owner	Timeline	Budget/Resources	Success Measure
<ul style="list-style-type: none"> ● Personalized, Flexible, Empowered Learning ● Equitable Access ● Digital Citizenship ● Collaborative Leadership 	<ul style="list-style-type: none"> ● Director of Technology ● Instructional Technology 	July 2020-June 2021	\$ 8,000 <ul style="list-style-type: none"> ● Skyward Family Access ● Ready Rosie 	<ul style="list-style-type: none"> ● Brightbytes data reporting ● Skyward family access participation ● Parent Meeting Participation



OBJECTIVE 5:

Establish procedures to meet all state and federal technology regulations

The 86th Texas Legislature passed a series of bills pertaining to technology in education. As more clarification of these bills is provided, GISD will continue to monitor and adjust as necessary.

Supporting CASE Data Variables	CLASSROOM <ul style="list-style-type: none"> ● GISD must explicitly teach students how and what information to share about themselves online <ul style="list-style-type: none"> ○ (70% of students say this has not been taught) ● GISD must educate staff on the legal use of student data and content <ul style="list-style-type: none"> ○ (currently only 58% of teachers consider themselves knowledgeable)
	ACCESS <ul style="list-style-type: none"> ● Increased access to technology necessitates increased lessons on cybersafety
	SKILLS <ul style="list-style-type: none"> ● Students and staff must explicitly be taught about cybersafety, cyberbullying, information handling, and personal information
	ENVIRONMENT <ul style="list-style-type: none"> ● GISD must report any data breach to TEA, parents, and staff
Texas Long Range Plan for Technology 2018-2023	
<ul style="list-style-type: none"> ● Personalized, Flexible, Empowered Learning ● Equitable Access ● Reliable Infrastructure ● Collaborative Leadership 	



STRATEGY 1

Employ technology as a tool to facilitate data-driven decision making, access and maintain secure records, effective communication, and streamlined reporting

GISD utilizes technology as a tool to access and maintain student records for attendance, grades, discipline, transcripts, and PEIMS reporting. Student testing information, Rtl, IEP, LPAC, and 504 information is also stored electronically for mandatory reporting processes. In addition to student reporting, department reporting including transportation, HR, Facilities, Maintenance, and the Business Office all utilize technology systems for scheduling, recruiting, substitute reporting, route management, work orders, and financial management. Skyward Family Access and Skyward Student Access allow both parents and students to monitor grades, attendance, health information and keep in touch with teachers and student progress. GISD utilizes a district-wide notification system for emergency broadcasts, parent outreach, and student attendance communications. The GISD website, maintained by the Director of Communication, is the face of the district and remains current at all times. It contains a wealth of information for all visitors.

LRPT	Owner	Timeline	Budget/Resources	Success Measure
<ul style="list-style-type: none"> ● Personalized, Flexible, Empowered Learning ● Equitable Access ● Reliable Infrastructure ● Collaborative Leadership 	<ul style="list-style-type: none"> ● Director of Technology 	July 2020-June 2021	\$450,000 Funding sources include technology, special education, human resources, transportation, maintenance, food service, curriculum, communication, and business office budgets.	<ul style="list-style-type: none"> ● All student records readily available including special education, testing, grades, discipline, transcripts, and progress records from various software programs ● Department reports from Athletics, Transportation, Maintenance, Facilities, Support Services, Technology and the Business Office ● Accurate reporting for state and federal mandates ● Social Media Presence ● SchoolWires Statistics ● SchoolMessenger Statistics ● Skyward Communication Reports



STRATEGY 2

Mandate cybersecurity training program that focuses on forming information security habits and procedures that protect information resources, and teach best practices for detecting, assessing, reporting, and addressing information security threats.

LRPT	Owner	Timeline	Budget/Resources	Success Measure
<ul style="list-style-type: none"> ● Personalized, Flexible, Empowered Learning ● Equitable Access ● Reliable Infrastructure ● Collaborative Leadership 	<ul style="list-style-type: none"> ● Director of Technology 	July 2020-June 2021	\$ 50,000 Funding sources include the technology department and security department budgets.	<ul style="list-style-type: none"> ● KnowBe4 reports ● Decreased malware present on the network ● Cyber breach reports ● Committee Reports ● AlertUs statistics ● Raptor Statistics



EVALUATION:

This technology plan is a living document and will be reviewed and updated semi-annually. The evaluation will ensure the goals and objectives remain aligned with the strategic plan (G2025).

To continue to improve, teachers, students, and parents will participate in the BrightBytes survey once a year. This data will ensure growth and pinpoint areas in need of improvement. In addition, software utilization and effectiveness will be monitored to determine if the needs of all students are being addressed.

In order to meet the professional development needs established by BrightBytes data collected, GISD will continue to host the #Teach4Gr8ness Rally each June. The focus for the conference this year will be formative assessment, differentiated instruction, increased classroom implementation of the 4Cs using technology, and bridging the belief-to-practice gap. In-district experts, as well as nation-wide technology leaders will teach strategies and methods that can be easily implemented. These strategies and methods can be polished during the summer for seamless implementation into the 2020-2021 classroom scope & sequences.

Successful integration of technology in the classroom will be visible through student performance, curricular projects, lesson plans, classroom visits, social media and dynamic project-based learning experiences.

Granbury ISD does not discriminate on the basis of sex, disability, race, color, age, or national origin in its educational programs, activities or employment as required by Title IX, Section 504 and Title VI.