ST. BRENDAN CATHOLIC SCHOOL
TECHNOLOGY PLAN

Introduction

St. Brendan Catholic School is a part of the Diocese of Jefferson City and sponsored by St. Brendan Parish. There are two school buildings on the campus, the main school building holding Preschool-5th Grade and the gymnasium/parish hall and Gavan Hall holding Grades 6-8. Events held in the parish hall include lunch, PE classes, concerts, plays, Home and School auction, and parish events. The current enrollment at St. Brendan is 185 in Preschool-8th Grade. The current cost per pupil is $5,726.50. Our number of free and reduced lunches is 20 students. The school has 12 full time teachers, 2 part time teachers, 2 resource teachers, and two aides. The school secretary is located in the main building and the parish bookkeeper is in Gavan Hall.

The technology committee for St. Brendan School works to provide the students and staff of the school with tools to promote the integration of technology into the curriculum. The technology committee is made up of teachers, a representative of the school advisory council, and the school principal. The committee reports to the St. Brendan school advisory council.

The technology committee reviews the school's technology, including existing equipment and funding for future purposes. The committee will make decisions based on new changes regarding legal issues and compliance to copyright laws. The technology committee relies on a local computer business for advice, service and repair.

Committee Member	Role
Father Dave Veit	Pastor of St. Brendan Parish, responsible for all school committees, administration of school funding, and inclusion of programs.
Mrs. Kathryn Coulson	Principal of St. Brendan School, responsible for professional development, technology coordinator TFA: Administration and Technical Support
Mrs. Melissa Buckman-Young	Parishioner and Parent, TFA: Resource Distribution and Technical Support
Mrs. Vanessa Kerr	Teacher representing PK-5 TFA: Educator Preparation and Delivery
Mr. Ted Brauker	Teacher representing Specials Classes TFA: Student Learning
Mrs. Janeen Kilgore	Teacher representing 6-8 TFA: Student Learning
Mr. Brian Peuster	Teacher representing 6-8 TFA: Educator Preparation and Delivery
Mr. Wayne Stanford	Parent and Technology Consultant through IMS Management Company

VISION/MISSION STATEMENT

St. Brendan School Mission: Through the continued encounter of Christ in the Sacraments and in one another, the St. Brendan School Family provides students the foundation of Catholic faith, social development, and academic excellence so they can experience the joy of life as a disciple of Christ.

As technology advances the Saint Brendan School Technology Committee will collaborate as a team to continue to bring the most current and applicable resources to the students and faculty. To develop a shared vision for educational technology among all education stakeholders, including teachers and support staff, school and district administrators, teacher educators, students, parents and the community. The mission is to bring focus on ways to:

- Enhance curriculum goals through technology.
- Keep up to date on advancements in technical education.
- Evaluate internet safety and security procedures.
- Bridge knowledge gaps.
- Use technology to teach students to solve problems and utilize critical thinking skills.
- Adapt the ISTE standards for application in a parochial school setting.
    - Administrators
    - Educators
    - Students

Updated May 2023

CURRENT TECHNOLOGY

Equipment Inventory

ITEM	BRAND	QUANTITY	CONDITION	LOCATION
Telephone System VOIP	Polycom	20 in school 3 in parish	Good	Phones in each classroom, office
Server	HPE Proliant ML110 Gen9	1	Good, MS Support Ending	Computer Lab
Filter	SonicWall Security Appliance	2	Good	Gavan Hall Basement Main Building Basement
Switch	1810 Managed 24 Port Switch, 1910 POE 8 Port Switch	1	Excellent	Gavan Hall Basement
Switch	Ubiquiti UniFi Switch US-48-750W 48 ports	1	Excellent 2021	Main Building Basement
Wireless Router	Sonic Points	5	Good	Gavan Hall Classrooms
Wireless Router	Ubiquitie TDSSourcing Unifi nanoHD Wireless access point	2	Excellent 2021	Gym, hallways
Laptop Computers	HP ProBook 6570b with docking stations Lenovo Thinkpad with docking stations	15 15 (2022-replacement laptops, stored in Resource Room)	Fair Excellent	Principal, PK-8 teachers, Music teacher, Art teacher, spares stored in Resource Room
Tablet Cart	Ergotron Powershuttle	1	Good	Science Lab
Small Tablet Carts		9	Excellent	1,2,3,4,5, 6-8 Math, 6-8 LA, Resource Room, Gavan Office, Book Room
Chromebooks	Chromebook HP Chromebook Lenovo Chromebook HP Touch Screen Chromebook HP Flip	71 total 40 30	Fair/Good/ Excellent	Student Assigned 1:1, Additional devices stored in Resource Room and Gavan Hall Office
Printers/Copier	Konica Minolta BizHub 454e (Own) Konica Minolta BizHub C224 (Own) Konica Minolta BizHub 227 (Own) HP LJ M447fdw	1 1 1 4	Excellent Excellent Excellent Good (1 jammed)	Teacher Workroom Principal Office Gavan Office Resource Room, Book Room, Gavan

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				Office, Gavan Teacher Work Room
Cleartouch Interactive Boards	Cleartouch 600	16	Excellent (2020-2022)	All Classrooms
Overhead Projector	Epson PowerLite 800F 3LCD Projector	1	Excellent (2022)	Multi-Purpose/ Gymnasium
Headphones with Dock				4 year old Preschool
Document Camera	Ziggi HD	1	Good (2014)	6-8 Math
Security	Airphone	1	Good	Gym Door/Cafeteria Office
Security	Doorbell camera/air phone	2	Excellent	Front Door Gavan Front Door Main
Security Cameras	3X Logic Bullet cameras 3XLogic V5000 Series i5 Processor, 8 GB RAM	10 1	Excellent (2021)	Main Building Principal Office
Security Cameras	3X Logic APC BackUp Pro 1000	10 1	Excellent (2015)	Gavan Hall Storage Room
CD Player	Sony Disc Exchange/Mini H-Fi Component System LBT-GT24i	1	Excellent (2014)	Gym
DVD/VCR Player	Sony DVD/VHS	2	Good	3rd, 6-8 Art, LA
Intercom System	Grandstream Unified Communication Appliance with Momentary Rocker Switches, Horn Speakers, and wall speakers	1	Excellent 2021 by VoiceConnex	Main building, Gavan, Gym, Playground
Telephone System VOIP	Polycom	20 in school 3 in parish	Good	Phones in each classroom, office

Technology Usage

Based on the school's technology survey, the following areas are considered as strengths for the school:

- The school operates on a one to one basis for students with additional chromebooks available if needed
- A grant was received in 2021 so funding is available to purchase additional devices or networking equipment
- The school has been updated with new wiring and switches
- Classrooms have been updated with each having a Cleartouch board
- Teachers have a laptop that they can take home when needed
- Classrooms have a digital camera in their room to project items
- Students express an ability to troubleshoot chromebooks and that replacement is quick when needed

- Student use of technology during school is applicable to school content
- Technology use is monitored through the filter and GoGuardian software
- Wifi system with one name has improved speed without lag time in both buildings
- Students have access to internet and technology devices at home for homework

Teachers state that they use technology for:

- Developing lesson plans and gathering ideas
- Review or assessing students
- Showing videos or other content tied to curriculum
- Displaying textbook or workbooks during instructional time
- Communication with parents
- Collecting data on student progress

Teachers state that if given the opportunity for technology training they would attend:

- Differentiating instruction and assessment for students using technology as assistive in learning
- Collaboration among students through technology
- Screencast O-matic
- RAZ-kids
- Planbook
- Religion websites for students to use

Given the preference between a standard text book and an online textbook, the students say they would prefer:

Students in 6th-8th grade: 56.8% of students prefer a standard book.
Students in 1st-5th grade: 45.8% of students prefer a standard book.

TFA 1: Student Learning Objectives and Action Plans

Strengths: The majority of students have at least one source of hardware with reliable internet access to accomplish curricular goals and objectives. Our middle grade students feel comfortable using online textbooks, but still prefer to read from paper books when possible. Students feel there is enough hardware, and it is distributed fairly among all students.

Students are successful in curating a variety of resources using digital tools to construct knowledge and make meaningful learning experiences for themselves and others.

Weaknesses: Students are weak in the ability to touch type. Due to the wide variety of devices, computers, Chromebooks, phones, and tablets, students have developed their own hunt-and-peck, and hybrid method of typing. While this accomplishes their tasks, it soon becomes ineffective as they need to type at a faster and more efficient rate.

Students are just learning to make digital publications and podcasts, via the new News Class. It would be useful for students to have more digital productions such as webpages and other forms of digital media, and perhaps through a digital design class.

Students need guidance on how to utilize artificial intelligence and other new technology in a moral and safe manner.

Goal: Learners will utilize technology tools and resources to help accomplish curricular goals and objectives while demonstrating appropriate and effective use within a variety of contexts.

Objective: Students should work toward the touch typing system working toward a goal of touch typing 40 words per minute by the end of 8th grade.

Progress Expected	Action Steps	Timeline	Person Responsible	Funding Source	Progress Measurement
Each grade level will have clear expectations of typing skills and use of instructional tools with a goal of 40 wpm by the end of 8th grade	Offer a regular technology class with keyboard covers so students learn the touch typing system. Once students have learned the touch typing system,	May 2024	Principal and teachers	Diocesan Fund	Review of class schedules and monitoring of student progress in class

	require them to use the system in the classroom.				
	Send home information in the family newsletter about the value of the touch typing system. Provide families links to free sites which encourage the practice at home.	May 2024	Principal Technology Teacher(s)	None	Inclusion of information in newsletters

Objective: 1.2 Students need to continue to learn about the rights, responsibilities, of living, learning and working in an interconnected digital world, while practicing internet safety independently.

Progress Expected	Action Steps	Timeline	Person Responsible	Funding Source	Progress Measurement
Survey responses of students reflect an increasing knowledge and use of rights and responsibilities of internet safety strategies.	Invite age appropriate speakers to talk with upper elementary and middle school students about internet safety.	2024-2027	Principal, Teachers, School Advisory Council, Home and School	Title Funds	Review of survey responses at the beginning and end of the year.
	Guest speaker at a Home and School meeting to talk about internet safety at home.	2024-2027	Principal, School Advisory Council, Home and School	Title Funds	Review of survey responses at the beginning and end of the training.

Objective: 1.2.d Students will manage their personal data to maintain digital privacy and security and are aware of data-collection techniques used to track their navigation online.

Progress Expected	Action Steps	Timeline	Person Responsible	Funding Source	Progress Measurement
Students will be able to explain what factors impact their digital footprint and how data is collected from their data usage.	Lessons regarding digital footprints and data tracking will be integrated into the technology classes.	2024-2027	Technology Teacher ELA Teacher	None	Students will share information with the public or other students to demonstrate understanding of their digital footprint

Objective: 1.4.a Know and use a deliberate design process for generating ideas, testing theories, creating innovative artifacts or solving problems.

Progress Expected	Action Steps	Timeline	Person Responsible	Funding Source	Progress Measurement
Students will develop, test, and refine prototypes as part of a cyclical design process to create original and authentic content through a variety of mediums	Research the availability of computer generated design software	2024-2027	Teacher	Technology Funds/ Teacher Supply/ Grants	Units where students create original and authentic content through a design process will be in lesson plans and presented by students

TFA 2: Educator Preparation/Highly Qualified Staff Objectives and Action Plans

Strengths:

- The majority of staff confidently integrate technology into their daily instruction
- None of the staff felt weak in troubleshooting technology
- All staff use the internet as a resource in developing lesson plans and ideas
- The majority of the faculty implement lessons on safety and copyright laws
- Staff are aware how to utilize the technology provided-laptop, Cleartouch, digital camera, etc.

Weaknesses:

- Staff feel weak in using technology to differentiate instruction
- Staff feel the need for instructional tools and strategies for keyboard instruction
- Additional training in use of apps and other tools such as AI advancements in technology is needed to address changes in society and the world of technology.

Goal: Teachers will utilize technology tools and resources to help accomplish curricular goals and objectives and conduct lessons that teach students appropriate and effective use of technology within a variety of contexts.

Objective: Teachers will utilize technology in differentiating instruction for students.

Progress Expected	Action Steps	Timeline	Person Responsible	Funding Source	Progress Measurement
Reasonable differentiated instruction will be provided for students for our school setting.	Professional development will be given on resources to differentiate instruction through technology in their subject area. Teachers will implement these strategies regularly.	2024-2027	Principal	Title funds	Technology will be used in the classroom to provide reasonable accommodations and differentiated instruction for students.

Objective: The faculty will continually improve their knowledge and use of technology as it advances, exploring proven and promising practices that leverage technology to improve student learning.

Progress Expected	Action Steps	Timeline	Person Responsible	Funding Source	Progress Measurement

Faculty will set learning goals to explore and apply annually in order to stay current with research that supports improved student learning outcomes	Provide faculty time to explore proven and promising practices using technology, time to collaborate and plan for its use in their classroom	2024-2027	Principal and Teachers	Title Funds	Faculty meetings and professional development days will include this time. Classroom instruction will reflect new knowledge an understandin g of developing technology and its uses in learning
	Professional development will be provided on technology as it advances	2024-2027	Principal and Professional Development Committee	Title Funds	Professional development days will be scheduled

TFA 3: Administration, Management, and Communications Objectives and Action Plans

Strengths:

- The survey results from parents, teachers, and students reflected similar responses in satisfaction with the amount of the use of technology at school and home.
- An online Google Drive File of technology is available to educators as well as an online resource for sharing of forms teachers need throughout the year.
- The FACTS online gradebook allows for text reminders to be given to families and automatically communicates each night of a failed or missing assignment.
- A section in the newsletter was added for Technology Tips parents check weekly or most of the time to aide their knowledge of technology use with children.
- The summer packet of forms is in a fillable document.
- The weekly newsletters are given via Facebook and email for easy access.

Weaknesses:

- More communication of how technology is utilized in the classroom with parents is requested.
- Parents would benefit from training in classroom app/website use, google apps, and internet safety.

Goal: Use of technology and specific apps will be communicated to parents in order to help them understand how to use sites and apps to better support student use at home.

Objective: 2.3.a Shape, advance, and accelerate a shared vision for empowered learning with technology by engaging with education stakeholders.

Progress Expected	Action Steps	Timeline	Person Responsible	Funding Source	Progress Measurement
Increase in use of apps and sites at home	Grade levels develop a means of communicating technology use of students, specific apps, and sites with parents on an annual basis.	October 2023, updated annually	Principal and faculty	none	Monitoring parent's awareness of technology available to students at school and home
	Provide a technology training night to teach parents how	2024-2027	Principal, possibly Home and School	Possible grant or donation if needed	Training night added to the calendar and agenda

	to use sites and apps				

TFA 4: Technical Support, Resources and Distribution Objectives and Action Plans

Strengths:

- A technology grant was received in 2021 for updates to the infrastructure and additional funds available for purchase of new devices
- The parish utilizes a company to maintain the network infrastructure and device management.
- A technology fee was added to annual school enrollment fees

Weaknesses:

- Additional funding resources is needed for the time grant money is spent and for future maintenance and upgrades.

Goal: The school will seek possible funding options to provide technological resources, planning for future needs in a changing instructional environment.

Objective: 4.1 Continue to provide appropriate technology resources to meet the changing instructional needs of the school as measured by the student computer ratio and software updates.

Progress Expected	Action Steps	Timeline	Person Responsible	Funding Source	Progress Measurement
Additional funding for regular maintenance, upgrades, and software is provided.	Investigation of additional funding will be conducted and a plan put in place for regular maintenance and upgrades.	2024-2027	Principal School Advisory Council Finance Council Pastor	None	A financial plan for maintenance and upgrades for technology is formed and reviewed annually.

Disseminate, Monitor and Evaluate

St. Brendan School acknowledges the importance of creating a technology plan. In order for the school to continue to effectively use technology, remain current in new trends and plan for the future, the processes of disseminating, monitoring and evaluation must be ongoing. This plan is a document that will guide technology integration within the school for the next three to five years. The plan will be provided to all groups so there is improvement in teaching and student learning in technology. The technology plan will be shared by:

- School Webpage
- School Newsletter
- School Advisory Council
- Faculty Binder
- Faculty Orientation

The technology committee will evaluate this plan annually to update and adjust to meet identified needs. Evaluations will take place by:

- Technology Committee review
- Evaluation from principal from walk-through, formative, and summative teacher evaluations
- Self-Study Process

The Technology Committee will review, evaluate, and make changes to the plan as needed. Any changes will be based on the mission statement of the school and diocesan curriculum objectives. Changes will be submitted to the faculty and School Advisory Council.