

BRUNEAU-GRAND VIEW SCHOOLS



TECHNOLOGY PLAN
2014-17

Technology Plan Bruneau/Grand View Schools 2014-2017

Vision:

The purpose of the Bruneau Grand View School District's technology plan is to provide a 21st century technology rich environment designed to support the district's mission and strategic goals through the responsible, skillful, ethical, and meaningful use of technology.

The vision is accomplished by:

- developing students who are independent lifelong learners, citizens, and workers, capable of using critical thinking skills and technology to locate, assess and synthesize information to effectively communicate their ideas,
- enabling teachers to integrate technology into the curriculum to deliver and enhance instruction and to provide a richer, more challenging learning environment,
- fostering effective communication between the community and the school district through the use of technology,
- Enhancing communication within the school district and between district employees.
- delivering current technologies for instruction, operations, communication and to allow individuals to extrapolate into future technologies
- training administrators, teachers, and support staff to use the available technologies to effectively promote efficiency and support the district mission.

Goals

Overall Strategy: Follow the technology timeline for specific resources needed to implement the plan.

- Support needed curricular, instructional, and administrative functions.
 - **Strategy:** Integrate processes and shared data to increase efficiency
 - **Strategy:** Broaden local expertise with administrative and student management software tools
 - **Strategy:** Develop a district-wide Disaster Recovery/Business Continuity Plan for technology and data stored on technology to include off-site storage
 - **Strategy:** Develop and implement integrated security systems district-wide

- Support district and building school improvement work with technology that will enhance goal attainment.
 - **Strategy:** Design systems for maximum reliability and reduced costs.
 - **Strategy:** Continue to participate in initiatives that are designed to support the development of meaningful learning using technology in district classrooms.
 - **Strategy:** Develop data warehousing through the use of SchoolNet, making it easier to track the annual academic growth of every student.
 - **Strategy:** Support classroom technology integration initiatives
 - **Strategy:** Continue to explore, test, evaluate and adopt software. and on-line resources that support instruction.

- **Strategy:** Review and revise K-12 instructional technology and technology education by mapping where, when and how the ITSE Educational Technology Standards are addressed.
- Continue providing access to Internet and SD365 accepted technological resources at the classroom level to all teachers and students.
 - **Strategy:** Provide support and services necessary for full Internet access (including email) through a combination of local personnel and contracted services.
 - **Strategy:** Support compliance of the ITSE Educational Technology Standards and Expectations of all users.
 - **Strategy:** Maintain, update and refresh technology tools for elementary K-5, middle school 6-8 and high school 9-12 buildings at a similar standard.
- Provide staff with the skills and equipment necessary to keep up with new advancements in educational technologies.
 - **Strategy:** Develop staff expertise through implementation of professional development centered on the *Intel: Teach to the Future* model, Discovery Education Network resources, Differentiated Instruction using technology, etc
 - **Strategy:** Update curriculum to integrate technological tools to achieve collaboration and on-line learning.
- Increase the ability and capacity of the Technology Department to support the aggressive goals and the maintenance of facilities.
 - **Strategy:** Contract with outside providers and/or hire additional technology personnel.
 - **Strategy:** Evaluate the overall workload of the technology department based on the current personnel skills and man hours used. Continually evaluate and update a future needs timeline for additional personnel and technology needed by the department
 - **Strategy:** Find a source of funding other than “project-based” allocations from district fund equity or future needs resources to fund technology (upgrades, replacement/refresh of hardware and/or software, new curriculum initiatives, personnel training, acquisition of emerging technologies, etc).
- Support the use of technology with updated policies and procedures.
 - **Strategy:** Review/update the Acceptable Use Agreement (AUA) forms for students, employees and outside contractors as necessary to address changes in technology.
 - **Strategy:** Review guidelines and procedures for equipment loaned to employees, students, and others (i.e., laptops, cameras, iPods, e-readers, tablets, etc.).
 - **Strategy:** Establish written guidelines/procedures for handling student information (i.e., Powerschool™, PowerTeacher Gradebook™, Message Alert system etc.).
 - **Strategy:** Establish written guidelines for reducing, reusing, or recycling equipment and related supplies (batteries, software, etc.)
 - **Strategy:** Develop district policies and procedures regarding data retention, the use of personal electronics, remote access, etc.

- Communicate to the public the district’s technology plan and the implementation of the plan.
 - **Strategy:** Publish the plan on the web page www.sd365.us
 - **Strategy:** Publish key elements of the plan in the district newsletter.
 - **Strategy:** Make copies available in building offices, at board of education meetings, and in building staff rooms.

- Improve student achievement through the use of technology in elementary and secondary schools.

- Technology Literacy – ensuring that every student is technologically literate by the time the student finishes the eighth grade regardless of student’s race, ethnicity, gender, family income, geographic location or disability.

Technology Standards

The Bruneau/Grand View Educational Technology Standards (BETS) are aligned with the International Society for Technology in Education’s (ISTE) National Educational Technology Standards (NETS) and the Framework for 21st Century Learning. The Bruneau/Grand View standards are intended to provide educators with a specific set of learning expectations that can be used to drive educational technology literacy assessments.

These standards are best delivered by authentic instruction and assessment with direct curricular ties and it is intended that these Standards will be integrated into all content areas. The preparation of our students to the successful in the 21st Century is the responsibility of all educators.

Bruneau/Grand View SD 365 Student Technology Standards

1. Creativity and Innovation

Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.

- a. Apply existing knowledge to generate new ideas, products, or processes
- b. Create original works as a means of personal or group expression
- c. Use models and simulations to explore complex systems and issues
- d. Identify trends and forecast possibilities

2. Communication and Collaboration

Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.

- e. Interact, collaborate, and publish with peers, experts, or others employing a variety of digital environments and media
- f. Communicate information and ideas effectively to multiple audiences using a variety of media and formats
- g. Develop cultural understanding and global awareness by engaging with learners of other cultures
- h. Contribute to project teams to produce original works or solve problems

3. Research and Information Fluency

Students apply digital tools to gather, evaluate, and use information.

- i. Plan strategies to guide inquiry
- j. Locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media
- k. Evaluate and select information sources and digital tools based on the appropriateness to specific tasks
- l. Process data and report results

4. Critical Thinking, Problem Solving, and Decision Making

Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.

- m. Identify and define authentic problems and significant questions for investigation
- n. Plan and manage activities to develop a solution or complete a project
- o. Collect and analyze data to identify solutions and/or make informed decisions
- p. Use multiple processes and diverse perspectives to explore alternative solutions

5. Digital Citizenship

Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.

- q. Advocate and practice safe, legal, and responsible use of information and technology
- r. Exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity

- s. Demonstrate personal responsibility for lifelong learning
- t. Exhibit leadership for digital citizenship

6. Technology Operations and Concepts

Students demonstrate a sound understanding of technology concepts, systems, and operations.

- u. Understand and use technology systems
- v. Select and use applications effectively and productively
- w. Troubleshoot systems and applications
- x. Transfer current knowledge to learning of new technologies

Bruneau/Grand View SD 365 Teacher Technology Standards

Effective teachers model and apply the technology standards as they design, implement, and assess learning experiences to engage students and improve learning; enrich professional practice; and provide positive models for students, colleagues, and the community. All teachers should meet the following standards and performance indicators.

1. Facilitate and Inspire Student Learning and Creativity

Teachers use their knowledge of subject matter, teaching and learning, and technology to facilitate experiences that advance student learning, creativity, and innovation in both face-to-face and virtual environments.

- A. Promote, support, and model creative and innovative thinking and inventiveness
- B. Engage students in exploring real-world issues and solving authentic problems using digital tools and resources
- C. Promote student reflection using collaborative tools to reveal and clarify students' conceptual understanding and thinking, planning, and creative processes
- D. Model collaborative knowledge construction by engaging in learning with students, colleagues, and others in face-to-face and virtual environments

2. Design and Develop Digital Age Learning Experiences and Assessments

Teachers design, develop, and evaluate authentic learning experiences and assessment incorporating contemporary tools and resources to maximize content learning in context and to develop the knowledge, skills, and attitudes identified in the Student Technology Standards.

- A. Design or adapt relevant learning experiences that incorporate digital tools and resources to promote student learning and creativity
- B. Develop technology-enriched learning environments that enable all students to pursue their individual curiosities and become active participants in setting their own educational goals, managing their own learning, and assessing their own progress
- C. Customize and personalize learning activities to address students' diverse learning styles, working strategies, and abilities using digital tools and resources
- D. Provide students with multiple and varied formative and summative assessments aligned with content and technology standards and use resulting data to inform learning and teaching

3. Model Digital Age Work and Learning

Teachers exhibit knowledge, skills, and work processes representative of an innovative professional in a global and digital society.

- A. Demonstrate fluency in technology systems and the transfer of current knowledge to new technologies and situations
- B. Collaborate with students, peers, parents, and community members using digital tools and resources to support student success and innovation
- C. Communicate relevant information and ideas effectively to students, parents, and peers using a variety of digital age media and formats
- D. Model and facilitate effective use of current and emerging digital tools to locate, analyze, evaluate, and use information resources to support research and learning

4. Promote and Model Digital Citizenship and Responsibility

Teachers understand local and global societal issues and responsibilities in an evolving digital culture and exhibit legal and ethical behavior in their professional practices.

- A. Advocate, model, and teach safe, legal, and ethical use of digital information and technology, including respect for copyright, intellectual property, and the appropriate documentation of sources
- B. Address the diverse needs of all learners by using learner-centered strategies providing

equitable access to appropriate digital tools and resources

- C. Promote and model digital etiquette and responsible social interactions related to the use of technology and information
- D. Develop and model cultural understanding and global awareness by engaging with colleagues and students of other cultures using digital age communication and collaboration tools

5. Engage in Professional Growth and Leadership

Teachers continuously improve their professional practice, model lifelong learning, and exhibit leadership in their school and professional community by promoting and demonstrating the effective use of digital tools and resources.

- A. Participate in local and global learning communities to explore creative applications of technology to improve student learning
- B. Exhibit leadership by demonstrating a vision of technology infusion, participating in shared decision making and community building, and developing the leadership and technology skills of others
- C. Evaluate and reflect on current research and professional practice on a regular basis to make effective use of existing and emerging digital tools and resources in support of student learning
- D. Contribute to the effectiveness, vitality, and self-renewal of the teaching profession and of their school and community

Bruneau/Grand View SD 365 Administrator Technology Standards

1. Visionary Leadership

Educational Administrators inspire and lead development and implementation of a shared vision for comprehensive integration of technology to promote excellence and support transformation throughout the organization.

- A. Inspire and facilitate among all stakeholders a shared vision of purposeful change that maximizes use of digital-age resources to meet and exceed learning goals, support effective instructional practice, and maximize performance of district and school leaders
- B. Engage in an ongoing process to develop, implement, and communicate technology-infused strategic plans aligned with a shared vision

- C. Advocate on local, state and national levels for policies, programs, and funding to support implementation of a technology-infused vision and strategic plan

2. Digital Age Learning Culture

Educational Administrators create, promote, and sustain a dynamic, digital-age learning culture that provides a rigorous, relevant, and engaging education for all students.

- A. Ensure instructional innovation focused on continuous improvement of digital-age learning
- B. Model and promote the frequent and effective use of technology for learning
- C. Provide learner-centered environments equipped with technology and learning resources to meet the individual, diverse needs of all learners
- D. Ensure effective practice in the study of technology and its infusion across the curriculum
- E. Promote and participate in local, national, and global learning communities that stimulate innovation, creativity, and digital age collaboration

3. Excellence in Professional Practice

Educational Administrators promote an environment of professional learning and innovation that empowers educators to enhance student learning through the infusion of contemporary technologies and digital resources.

- A. Allocate time, resources, and access to ensure ongoing professional growth in technology fluency and integration
- B. Facilitate and participate in learning communities that stimulate, nurture and support administrators, faculty, and staff in the study and use of technology
- C. Promote and model effective communication and collaboration among stakeholders using digital age tools
- D. Stay abreast of educational research and emerging trends regarding effective use of technology and encourage evaluation of new technologies for their potential to improve student learning

4. Systemic Improvement

Educational Administrators provide digital age leadership and management to continuously improve the organization through the effective use of information and technology resources.

- A. Lead purposeful change to maximize the achievement of learning goals through the appropriate use of technology and media-rich resources

- B. Collaborate to establish metrics, collect and analyze data, interpret results, and share findings to improve staff performance and student learning
- C. Recruit and retain highly competent personnel who use technology creatively and proficiently to advance academic and operational goals
- D. Establish and leverage strategic partnerships to support systemic improvement
- E. Establish and maintain a robust infrastructure for technology including integrated, interoperable technology systems to support management, operations, teaching, and learning

5. Digital Citizenship

Educational Administrators model and facilitate understanding of social, ethical and legal issues and responsibilities related to an evolving digital culture.

- A. Ensure equitable access to appropriate digital tools and resources to meet the needs of all learners
- B. Promote, model and establish policies for safe, legal, and ethical use of digital information and technology
- C. Promote and model responsible social interactions related to the use of technology and information
- D. Model and facilitate the development of a shared cultural understanding and involvement in global issues through the use of contemporary communication and collaboration tools.

PROFESSIONAL DEVELOPMENT

STRATEGIES

- Continue to participate in professional development offerings for integration of technology for instructional purposes.
 - o Discovery Education streaming – webinars.
 - o *SchoolNet training*
- Provide professional development for certified staff as needed and when appropriate in: student records management, data collection and analysis, email/office productivity tools, web literacy and design, successful technology and content integration targeting the common core curriculum, and the use of technology tools for formative and summative assessment.
- Provide professional development as needed and when appropriate in: maintenance management, human resources, payroll/finance, transportation management,

troubleshooting, email/office productivity tools, web literacy and design, and integrated security systems.

- Professional development is delivered and will continue to be delivered:
 - During scheduled professional development in-service days.
 - During school hours with substitute teachers hired, and/or
 - During sessions held on planning periods, during staff meetings, or for short periods after school.
 - Web-enabled whenever possible

Integration

- Focus on smooth integration of technology with *meaningful learning* as the key goal. Professional development will emphasize the principled use of technology to support the six attributes of meaningful learning:
 - Inquiry
 - Collaboration
 - Construction
 - Authenticity
 - Intentionality
 - Content Centrality

Resources Within and Outside the District

- Develop and expand the skills of a cadre of local trainers who can provide training in the integration of multiple technology skills and meaningful learning using multiple technology tools.
- Continue to develop and subscribe to web site materials that provide teachers online resources for professional development anytime, anywhere.

State and National Standards

- Develop and/or participate in workshops that meet the National Staff Development Council's twelve standards for professional development.
- Plan and deliver professional development experiences that follow the standards and performance indicators outlined by ISTE National Educational Technology Standards (NETS) for Teachers and the Technology Standards for School Administrators (TSSA) Collaborative.

Professional Development Timeline

2014-15

- BGV teachers will continue to receive as needed in-service on changes in Powerschool, Data Director, and Illuminate. The district will utilize planning period meetings (per secondary contract) and in-service days to deliver technology professional development integrated with curricular activities.
- BGV elementary teachers will work to develop, implement, evaluate and document lessons that target grade level BETS (Bruneau/Gran View Educational Technology Standards).
- BGV secondary school teachers will work to develop, implement, evaluate and document lessons in SchoolNet that target grade level BETS (Bruneau/Grand View Educational Technology Standards), and the Idaho Core Content State Standards.
- All district employees will be encouraged to participate in technology trainings that improve their efficiency, skills, and productivity.

2015-16

- BGV teachers will continue to receive as needed in-service on changes in Powerschool, SchoolNet, Discovery Education, Aims Web, and Data collection strategies. The district will utilize planning period meetings (per secondary contract) and in-service days to deliver technology professional development integrated with curricular activities.
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2016-17

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BRUNEAU/GRAND VIEW TECHNOLOGY POLICIES

Acceptable Use Policy

TECHNOLOGY USEAGE (ACCEPTABLE USE POLICY)

Student Users

No student will be given access to the district's technology resources until the district receives a *User Agreement* signed by the student and the student's parent(s), guardian(s) or person(s) standing in the place of a parent. Students who are 18 or who are otherwise able to enter into an enforceable contract may sign the *User Agreement* without additional signatures.

Employee Users

No employee will be given access to the district's technology resources until the district has a signed *User Agreement* on file. Authorized employees may use the district's technology resources for reasonable, incidental personal purposes as long as the use does not violate any provision of district policies, regulations or procedures, hinder the use of the district's technology for the benefit of its students or waste district resources. Any use that jeopardizes the safety, security or usefulness of the district's technology is considered unreasonable. Any use that interferes with the effective and professional performance of the employee's job is considered unreasonable.

Because computers are shared resources, it is not appropriate for an employee to access, view, display, store, print or disseminate information via district resources, including email or internet access that students or other users could not access, view, display, store, print or disseminate without authorization by the district. Student teachers, interns, volunteers, substitutes, etc. are considered employees for the purposes of network access.

Board Member Users

Members of the School Board may be granted user privileges, including an email address, upon completion of a *User Agreement*. Board members will set an example of responsible use and will abide by district policies, regulations and procedures. Board members will abide by all pertinent state statutes regulating Public Records and Public Meetings.

External Users

Consultants, counsel, independent contractors and other persons having professional business with this school district may also be granted user privileges at the discretion of the superintendent or designee, subject to completion of a *User Agreement* and for the sole, limited purpose of conducting business with the school. External users must abide by all laws, district policies, regulations or procedures.

Privacy

A user does not have a legal expectation of privacy in the user's electronic communications or other activities involving the district's technology resources.

All district technology resources are considered district property. The district may maintain or improve technology resources at any time. The district may remove, change or exchange hardware or other between buildings, classrooms, employees, students or any other user at any time without prior notice. Authorized district personnel may load or delete programs or information, install new equipment, upgrade any system or enter any system to correct problems at any time.

The district may examine all information stored on district technology resources at any time. The district may monitor employee and student technology usage. Electronic communications, all data stored on the district's technology resources and downloaded material, including files deleted from a user's account, may be intercepted, accessed or searched by district administrators or designees at any time.

Violations of Technology Usage Policies and Procedures

Use of the district's technology resources is a privilege, not a right. A user's privileges may be suspended pending an investigation concerning the use of the district's technology resources. Any violation of district policies, regulations or procedures regarding technology may result in temporary, long-term or permanent suspension of user privileges.

The administration may use discretionary measures to enforce district policies, regulations and procedures. Employees may be disciplined or terminated, and students suspended or expelled for violating the district's policies, regulations and procedures. Any attempted violation of district policies, regulations or procedures, regardless of the success or failure of the attempt, may result in the same discipline or suspension of privileges as that of an actual violation.

Sanctions:

- 1) Violations may result in loss of access.
- 2) Additional disciplinary action may be determined at the building level in line with existing district and/or building discipline policies and/or procedures.
- 3) When appropriate, law enforcement agencies may be involved.

Damages:

All damages uncured by the district due to the misuse of the district's technology resources, including the loss of property and staff time, will be charged to the user. District administrators have the authority to sign any criminal complaint regarding damage to district technology.

General Rules and Responsibilities:

The following rules and regulations will be followed by all users of the district technology resources:

1. Applying for a user ID under false pretenses is prohibited.
2. Using another person's user ID and/or password is prohibited.
3. Sharing one's user ID and or password with any other person is prohibited. A user will be responsible for actions taken by any person using the ID and/or password assigned to the user.
4. Deleting, examining, copying or modifying files and/or data belonging to other users without their prior consent is prohibited.
5. Mass consumption of technology resources that inhibits use by others is prohibited.
6. Non-educational Internet usage is prohibited except for reasonable, incidental personal purposes.
7. Use of district technology for soliciting, advertising, fundraising, commercial purposes or for financial gain is prohibited, unless authorized by the district.
8. Use of district technology for political lobbying as defined under federal or state law is prohibited; however, users may use the system to communicate with elected representatives and to express their opinion on political issues.

9. Accessing fee services without permission from an administrator is prohibited. A user who accesses such services without permission is solely responsible for all charges incurred.
10. Users are required to obey all laws, including criminal, copyright, privacy, defamation and obscenity laws. The school district will render all reasonable assistance to local, state or federal officials for the investigation and prosecution of persons using district technology in violation of any law.
11. Accessing, viewing or disseminating information using district resources, including e-mail or Internet access, that is pornographic, obscene, child pornography, harmful to minors, obscene to minors, libelous, pervasively indecent or vulgar, or advertising any product or service not permitted to minors is prohibited.
12. Accessing, viewing or disseminating information on any product or service not permitted to minors is prohibited unless under the direction and supervision of district staff for curriculum-related purposes.
13. Accessing, viewing or disseminating information using school or district resources, including e-mail or Internet access, that constitutes insulting or fighting words, the very expression of which injures or harasses other people (e.g., threats of violence, defamation of character or of a person's race, religion or ethnic origin); presents a clear and present likelihood that, because of their content or their manner of distribution, they will cause a material and substantial disruption of the proper and orderly operation and discipline of the school or school activities; or will cause the commission of unlawful acts or the violation of lawful school regulations is prohibited.
14. Any use that has the purpose or effect of discriminating or harassing any person or persons on the basis of race, color, religion, sex, national origin, ancestry, disability, age, pregnancy or use of leave protected by the Family and Medical Leave Act or the violation of any person's rights under applicable laws is prohibited.
15. Any unauthorized, deliberate or negligent action that damages or disrupts technology, alters its normal performance or causes it to malfunction is prohibited, regardless of the location or the duration of the disruption.
16. Users may only install and use properly licensed software, audio or video media approved for use by the district. All users will adhere to the limitations of the district's technology licenses. Copying for home use is prohibited unless permitted by the district's license and approved by the district.
17. At no time will district technology or software be removed from the district premises, unless authorized by the district.
18. Software that interferes with the reliable operation of the network and its systems or that attempts to bypass security and capture data is not allowed. Examples of such software include, but are not limited to, viruses that cause denial of service attacks and keystroke capture applications installed without the user's knowledge.
19. All users will use the district's property as it was intended. Technology or technology hardware will not be lifted, moved or relocated without permission from an administrator or designee. All users will be held accountable for any damage they cause to district technology resources.
20. All damages incurred due to the misuse of the district's technology will be charged to the user. The district will hold all users accountable for the damage incurred and will seek both criminal and civil remedies, as necessary.

21. Electronic resources provided for home access are for the exclusive use of Bruneau/Grand View School District #365 students, staff and Board of Education members.
22. WebPages by teachers shall be hosted on servers maintained by the district or on an approved site. Content of webpage hosted on school websites needs to be education/focused.

Technology Security and Unauthorized Access

All users shall immediately report any security problems or misuse of the district's technology resources to a teacher or administrator.

No person will be given access to district technology if he or she is considered a security risk by the superintendent or designee.

1. Use of district technology resources in attempting to gain or gaining unauthorized access to any technology system or the files of another is prohibited.
2. Use of district technology to connect to other systems, in evasion of the physical limitations of the remote system, is prohibited.
3. The unauthorized copying of system files is prohibited.
4. Intentional or negligent attempts, whether successful or unsuccessful, to interfere with the ability of others to utilize any district technology are prohibited.
5. Any attempts to secure a higher level of privilege on the technology resources without authorization are prohibited.
6. The introduction of computer "viruses," "hacking" tools or other disruptive/destructive programs into a school or district computer, network or any external networks is prohibited.

Online Safety -- Disclosure, Use and Dissemination of Personal Information

1. All students will be instructed on the dangers of sharing personal information about themselves or others over the Internet.
2. Student users are prohibited from sharing personal information about themselves or others over the Internet, unless authorized by the district.
3. Student users shall not agree to meet with someone they have met online without parental approval.
4. A student user shall promptly disclose to his or her teacher or another school employee any message the user receives that is inappropriate or makes the user feel uncomfortable.
5. Users shall receive or transmit communications using only district-approved and district-managed communication systems. For example, users may not use messaging, videoconferencing or chat services, except in special cases where arrangements have been made in advance and approved by the district.
6. All district employees will abide by state and federal law, Board policies and district rules including, but not limited to, the Federal Educational Rights and Privacy Act (FERPA) when communicating information about personally identifiable students.
7. Employees shall not transmit confidential student information using district technology, unless designated for that use. Employees will take precautions to prevent negligent disclosure of student information or student records.
8. No curricular or non-curricular publication distributed using district technology will include the address, phone number or e-mail address of any student.

Electronic Mail

A user is responsible for all e-mail originating from the user's ID or password.

1. Forgery or attempted forgery of e-mail messages is illegal and is prohibited.
2. Unauthorized attempts to read, delete, copy or modify e-mail of other users are prohibited.
3. Users are prohibited from sending unreasonable amounts of unsolicited electronic mail unless the communication is a necessary, employment-related function or an authorized publication.
4. All users must adhere to the same standards for communicating online that are expected in the classroom and that are consistent with district policies, regulations and procedures.

Exceptions

Exceptions to district rules will be made for district employees or agents conducting an investigation of a use that potentially violates the law, district policies, regulations or procedures. Exceptions will also be made for technology administrators who need access to district technology resources to maintain the district's resources or examine and delete data stored on district computers as allowed by the district's retention policy.

Waiver

Any user who believes he or she has a legitimate reason for using the district's technology in a manner that may violate any of the district's adopted policies, regulations and procedures may request a waiver from the building principal, superintendent or their designees. In making the decision to grant a waiver to a student, the administrator shall consider the purpose, age, maturity and level of supervision involved.

No Warranty/No Endorsement

The district makes no warranties of any kind, whether expressed or implied, for the services, products or access it provides. The district's technology resources are available on an "as is, as available" basis.

The district makes no guarantee that the functions or the services provided by or through the district technology system will be error-free or without defect. The district will not be responsible for any damage users may suffer, including but not limited to, loss of data or interruptions of service. The district is not responsible for the accuracy or quality of the information obtained through or stored on the system. Bruneau/Grand View School District #365 will not be responsible for financial obligations arising through the unauthorized use of the system.

All opinions, advice, services and all other information expressed by students, staff, information providers, service providers, or other third party personnel on the district technology system are those of the individual and do not represent the views or position of Bruneau/Grand View School District #365 unless these parties are acting in an official capacity, within the limits of their authority. Users will hold Bruneau/Grand View School District #365 harmless against any claim, lawsuit, or cause of action arising out of the use of the district's technology systems or connection to the Internet.

Bruneau/Grand View School District #365 is not liable for any defamatory, offensive, infringing or illegal materials or conduct on the part of, or attributable to, any third party, and reserves the right to remove such materials from its web site without liability.

Technology Usage Policy

TECHNOLOGY USAGE

Bruneau/Grand View School District recognizes the educational and professional value of electronics-based information technology, both as a means of access to enriching information and as a tool to develop skills that students need.

The district's technology exists for the purpose of maximizing the educational opportunities and achievement of district students. The network is considered a limited purpose device. The professional enrichment of our staff and Board, and increased engagement of the student's families and other patrons of the district are assisted by technology, but are secondary to the ultimate goal of student achievement.

Use of technology resources in a disruptive, manifestly inappropriate or illegal manner impairs the district's mission, squanders resources and shall not be tolerated. Therefore, a consistently high level of personal responsibility is expected of all users granted access to the district's technology resources. Development of student's personal responsibility is itself an expected benefit of the district technology program.

Definitions

For the purpose of this policy and related regulation, procedures and forms, the following terms are defined:

User --any person who is permitted to by the district to utilize any portion of the district's technology resources including, but not limited to, students, employees, school Board members, and agents of the school district.

User Identification (ID) --any identifier that would allow a user access to the district's technology resources or to any program including, but not limited to, e-mail, and Internet access.

Password – a unique word, phrase, or combination of alphabetic, numeric, and non-numeric characters used to authenticate a user ID as belonging to a user.

Technology Administration

The superintendent or designee shall create rules and procedures governing technology usage in the district to support the district's policy, as needed.

The superintendent or designee shall assign trained personnel to maintain the district's technology in a manner that will protect the district from liability and will protect confidential student and employee information retained or accessible through district technology resources.

Trained personnel shall establish a retention schedule for the regular archiving and deletion of data stored on district technology resources in accordance with applicable law. Administrators of computer resources may suspend access to and/or availability of the district's technology resources to diagnose and investigate network problems or potential violations of the law or district policies, regulations, and procedures.

User Identification and Network Security

The district's technology resources may be used by authorized students, employees, school Board members, and other persons such as consultants, legal counsel, and independent contractors. Use of the district's technology resources is a privilege, not a right. No student, employee, or other potential

user will be given an ID, password, or other access to district technology if he/she is considered a security risk by the superintendent or designee.

Users must adhere to district policies, regulations, procedures, and other district guidelines. All users shall immediately report any security problems or misuse of the district's technology resources to an administrator or teacher.

User Agreement and Privacy

All users must have and appropriately signed *User Agreement* on file with the district before they are allowed access to district technology resources. All users must agree to follow the district's policies, regulations, and procedures.

In addition, all users must recognize that they do not have a legal expectation of privacy in any electronic communication or other activities involving the district's technology. A user ID with e-mail access, if granted, is provided to users of this district's network and technology resources only on condition that the user consents in his or her *User Agreement* to interception of or access to all communications accessed, sent, received, or stored using district technology.

Content Filtering and Monitoring

The district will monitor the on-line activities of minors and operate a technology protection measure ("filtering/blocking device") on the network and/or all computers with Internet access, as required by law. The filtering/blocking device will attempt to protect against access to visual depictions that are obscene, harmful to minors and child pornography, as required by law. Because the district's technology is a shared resource, the filtering/blocking device will apply to all computers with Internet access in the district. Filtering/Blocking devices are not foolproof, and the district cannot guarantee that users will never be able to access offensive materials using district equipment. Evasion or disabling, or attempting to evade or disable, a filtering/blocking device installed by the district is prohibited.

The superintendent, designee or the district's technology administrator may disable the district's filtering/blocking device to enable an adult user access for bona fide research or for other lawful purposes. In making decisions to disable the district's filtering/blocking device, the administrator shall consider whether the use will serve a legitimate educational purpose or otherwise benefit the district.

Closed Forum

The district's technology resources are not a public forum for expression of any kind and are to be considered a closed forum to the extent allowed by law.

The district's webpage will provide information about the school district, but will not be used as an open forum. The district's webpage may include the district's address, telephone number and an e-mail address where members of the public may easily communicate concerns to the administration and the Board.

All expressive activities involving district technology resources that students, parents and members of the public might reasonably perceive to bear the imprimatur of the school and that are designed to impart particular knowledge or skills to student participants and audiences are considered curricular publications. All curricular publications are subject to reasonable prior restraint, editing and deletion on behalf of the school district for legitimate pedagogical reasons. All other expressive activities involving the district's technology are subject to reasonable prior restraint and subject matter restrictions as allowed by law and Board policies.

Bruneau/Grand View School District #365 Employee Technology Use Agreement

On-campus use of technology and the Internet is part of the working environment. Equipment users should take personal responsibility for behavior while on line. It is expected that Bruneau/Grand View School District Employees will conduct their on-campus technology and Internet activities under the following guidelines:

- All use of school technical resources such as computer, cell phones, DVD's ect., and technology used to access the Internet must be in support of and consistent with the education objective of the school district..
- Personal use such as personal email, personal word processing, personal web surfing should be limited and during non-working times.
- Using the system for a forum for the expression of personal opinions is not permitted.
- Transmitting any material in violation of a U.S. or state regulation or School Board polices is prohibited. This includes, but in not limited to copyrighted material and threatening or obscene material.
- Any information accessible via the Internet should be assumed to be private property and subject to copyright laws unless otherwise clearly indicated.
- Users have a responsibility to respect the privacy and property of other users. Users should not intentionally seek information about, obtain copies of, or modify files, data or passwords of other users.
- For their own safety, users should not reveal any personal information such as addresses or phone numbers on the Internet.
- Users should not expect that files stored on school district serves will always be private. School network administrators may review files and communication to maintain system integrity and to ensure that the network is being used responsibility.
- E-mail uses are expected to be ethical and responsible in their use and to comply with Federal, State, and Local laws.
- Users must understand that communications created, received or backed0up on the system are public documents. Nothing should be transmitted in an e-mail or instant message that would be inappropriate in a letter or memorandum. Although the district does not routinely monitor messages, it does have the authority, at any time, to inspect the contents of any district equipment, files, or mail on its' system for any legitimate business, legal or disciplinary purpose.
- E-mail related to a student is considered part of an education record. As long as an e-mail message or any attachment related to a student is maintained on a computer or server, it constitutes an education record and is subject or FERPA (Family Educational Rights and Privacy Act) until it is permanently deleted.
- Users are expected to delete unwanted files on a regular basis in an effort to keep storage manageable.
- Users should respect copyright and software license agreements.

- Users agree to follow School Board policy.

All opinions, advice, service and all other information expressed by students, staff, information providers, service providers, or other third party personnel on the district technology system are those of the individual and do not represent the views or position of Bruneau/Grand View School District unless these parties are acting in an official capacity, within the limits of their authority. Users will hold Bruneau/Grand View School District harmless against any claim, lawsuit, or cause of action arising out of the use of the district technology system or connection to the Internet. Bruneau/Grand View School District is not liable for any defamatory, offensive, infringing or illegal materials or conduct on the part of, or attributable to, a third party, and reserves the right to remove such material from its web site with our liability.

Employee Name: _____

School/Department: _____ **Date:** _____

I understand and agree to abide by the Bruneau/Grand View School District's Technology Use Policy and Acceptable Use policy regarding access/use of the Internet.

I further understand that should I not comply with district technology use policies, procedures and guidelines, my privileges may be revoked, and school disciplinary action and/or appropriate legal action may be taken. In consideration for using the District's Internet connection and having access to public networks, I hereby release Bruneau/Grand View School District and its Board members, employees, and agents from any claims and damage arising from, or as a result of my use or inability to use the Internet.

Bruneau/Grand View School District
Student Technology Use Agreement

Student's Printed Name: _____ Grade: _____

School: _____

I understand and agree to abide by the Bruneau/Grand View School District's Technology Use Policy regarding access/use of the internet.

I further understand that should I not comply with Technology Use Policy and Acceptable Use Procedures and Guidelines, my privileges may be revoked, and school disciplinary action and/or appropriate legal action may be taken. In consideration for using the District's Internet connection and having access to public networks, I hereby release Bruneau/Grand View School District and its Board members, and agents from any claims and damages arising from, or as a result of my use or inability to use the internet.

Student Signature: _____ Date: _____

Parents and guardians of students are required to read and sign the form below.

Parent(s) or Guardian(s):

As the parent or guardian of this student, I understand that the content of Bruneau/Grand View School District's Technology Use Policy and Acceptable Use Policy. I understand that Internet access is designed for educational purposes.

Bruneau/Grand View School District has taken precautions to restrict access to controversial material. However, I also recognize that it is impossible for Bruneau/Grand View School District to restrict access to all controversial materials, and I will not hold Bruneau/Grand View School District responsible for materials acquired or accessed on the internet. In consideration for my child using the District's Internet connection and having access to public networks for my child, I hereby release Bruneau/Grand View School District and Board members, employees, and agents from any claims and damages arising from, or as a result of my child's use or inability to use the internet. I hereby give my permission for my child to have access to the school's internet account and certify that the information contained on this form is correct. The technology equipment is the property of Bruneau/Grand View School District, and is being loaned to your student for educational purposes only. Your Student will be held responsible for loss or damage to the technology equipment not covered under the product warranty. Intentional misuse or abuse to the technology equipment could result in legal action.

Parent/Guardian Printed Name: _____

Parent/Guardian Signature: _____ Date: _____

All opinions, advice, services and all other information expressed by students, staff, information providers, service providers, or other third party personnel on the district technology system are those of the individual and do not represent the views or position of Bruneau/Grand View School District, unless these parties are acting in the official capacity, within the limits their authority. Users will hold Bruneau/Grand View School District harmless against any claim, lawsuit or cause of action rising out of the use of the district's technology systems or connection to the internet. Bruneau/Grand View School District is not liable for any defamatory, offensive, infringing or illegal materials or conduct on the part of, or attributable to any third party, and reserves the right to remove such materials from its website without liability.

Bruneau/Grand View School District

Media Consent and Waiver Form

This form will be good for the current school year. This policy relates to classroom activities or school events that are not already open to the public. Public events such as sporting events, theatre productions, etc. are considered open to the public and photographers and videographers are not included in this policy.

All opinions, advice, services and all other information expressed by students, staff, information providers, service providers, or other third party personnel on the district technology system are those of the individual and do not represent the views or position of Bruneau/Grand View School District, unless these parties are acting in the official capacity, within the limits their authority. Users will hold Bruneau/Grand View School District harmless against any claim, lawsuit or cause of action rising out of the use of the district’s technology systems or connection to the internet. Bruneau/Grand View School District is not liable for any defamatory, offensive, infringing or illegal materials or conduct on the part of, or attributable to any third party, and reserves the right to remove such materials from its website without liability.

By granting permission to this waiver you are agreeing to your son/daughter being photographed, interviewed and/or videotaped by representatives of Bruneau/Grand View School District and/or media outlets (newspaper, T.V. stations, etc...). Any information or images obtained from those activities may be reproduced by the school district and/or the public media for use in advertising, publicity or educational activities, including but not limited to district and school publications, websites, videos, print, yearbook, and television news. I hereby waive any claims I may have, and release the school district and its employees from liability of claims arising out of such activities.

(Please mark “YES” or “NO” below and return this complete page to your student’s school)

=====

Yes, I grant permission for _____
(Student’s Printed Name)

No, I don’t grant permission for _____
(Student’s Printed Name)

Parent/Guardian’ Signature: _____

Parent/Guardians’ Printed Name: _____

Date: _____

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**BGV Educational Technology Standards for Students (BETS-S) – PK-12
Alignment with NETS 2007 and the 21st Century Framework**

Grades PK through 2 –Technology Standards and Expectations – (prior to completing Grade 2)

PK-2.CI. Creativity and Innovation - By the end of Grade 2 each student will:	NETS 2007	21st Century
1. use a variety of digital tools (e.g., word processors, drawing tools, simulations, presentation software, graphical organizers) to learn, create, and convey original ideas or illustrate concepts	1. Creativity/Innov. 2. Comm./Collab.	C S, 21st Cent. I, M, T Skills
PK-2.CC. Communication and Collaboration - By the end of Grade 2 each student will:	NETS 2007	21st Century
1. work together when using digital tools (e.g., word processor, drawing, presentation software) to convey ideas or illustrate simple concepts relating to a specified project	2. Comm./Collab. 6. Oper./Concepts	L, I Skills
2. use a variety of developmentally appropriate digital tools (e.g., word processors, paint programs) to communicate ideas to classmates, families, and others	2. Comm./Collab. 6. Oper./Concepts	L, I Skills C S, 21st Cent.
PK-2.RI. Research and Information Fluency - By the end of Grade 2 each student will:	NETS 2007	21st Century
1. interact with Internet based resources	3. Res./Info. Lit. 6. Oper./Concepts	I, M, T Skills C S, 21st Cent.
2. use digital resources (e.g., dictionaries, encyclopedias, graphs, graphical organizers) to locate and interpret information relating to a specific curricular topic, with assistance from teachers, school library media specialists, parents, or student partners	3. Res./Info. Lit. 6. Oper./Concepts	I, M, T Skills C S, 21st Cent.
PK-2.CT. Critical Thinking, Problem Solving, and Decision Making - By the end of Grade 2 each student will:	NETS 2007	21st Century
1. explain ways that technology can be used to solve problems (e.g., cell phones, traffic lights, GPS units)	4. CT, PS, DM 6. Oper./Concepts	L, I Skills
2. use digital resources (e.g., dictionaries, encyclopedias, search engines, web sites) to solve developmentally appropriate problems, with assistance from teachers, parents, school media specialists, or student partners	4. CT, PS, DM 6. Oper./Concepts	L, I Skills

PK-2.DC. Digital Citizenship - By the end of Grade 2 each student will:	NETS 2007	21st Century
1. describe appropriate and inappropriate uses of technology (e.g., computers, Internet, e-mail, cell phones) and describe consequences of inappropriate uses	5. Digital Citizens. Internet Safety	C S, 21st Cent.
2. know the Michigan Cyber Safety Initiative's three rules (Keep Safe, Keep Away, Keep Telling)	Internet Safety	I, M, T Skills
3. identify personal information that should not be shared on the Internet (e.g. name, address, phone number)	Internet Safety	I, M, T Skills
4. know to inform a trusted adult if he/she receives or views an online communication which makes him/her feel uncomfortable, or if someone whom he/she doesn't know is trying to communicate with him/her or asking for personal information	5. Digital Citizens. Internet Safety	I, M, T Skills
PK-2.TC. Technology Operations and Concepts - By the end of Grade 2 each student will:	NETS 2007	21st Century
1. discuss advantages and disadvantages of using technology	6. Oper./Concepts	I, M, T Skills
2. be able to use basic menu commands to perform common operations (e.g., open, close, save, print)	6. Oper./Concepts	I, M, T Skills
3. recognize and name the major hardware components in a computer system (e.g., computer, monitor, keyboard, mouse, printer)	6. Oper./Concepts	I, M, T Skills
4. discuss the basic care for computer hardware and various media types (e.g., CDs, DVDs)	6. Oper./Concepts	I, M, T Skills
5. use developmentally appropriate and accurate terminology when talking about technology	6. Oper./Concepts	I, M, T Skills
6. understand that technology is a tool to help him/her complete a task, and is a source of information, learning, and entertainment	6. Oper./Concepts	I, M, T Skills
7. demonstrate the ability to navigate in virtual environments (e.g., electronic books, games, simulation software, web sites)	6. Oper./Concepts	I, M, T Skills

**BGV Educational Technology Standards for Students (BETS-S) – PK-12
Alignment with NETS 2007 and the 21st Century Framework**

Grades Three through Five – Technology Standards and Expectations – (prior to completing Grade 5)

3-5.CI. Creativity and Innovation - By the end of Grade 5 each student will:	NETS 2007	21st Century
1. produce a media-rich digital project aligned to state curriculum standards (e.g., fable, folk tale, mystery, tall tale, historical fiction)	1. Creativity/Innov. 3. Res./Info. Lit. 6. Oper./Concepts	C S, 21 st Cent. I, M, T Skills
2. use a variety of technology tools and applications to demonstrate his/her creativity by creating or modifying works of art, music, movies, or presentations	1. Creativity/Innov. 6. Oper./Concepts	C S, 21 st Cent. I, M, T Skills
3. participate in discussions about technologies (past, present, and future) to understand these technologies are the result of human creativity	1. Creativity/Innov. 2. Comm./Collab.	L, I Skills
3-5.CC. Communication and Collaboration - By the end of Grade 5 each student will:	NETS 2007	21st Century
1. use digital communication tools (e.g., e-mail, wikis, blogs, IM, chat rooms, videoconferencing, Moodle, Blackboard) and online resources for group learning projects	2. Comm./Collab. 6. Oper./Concepts	L, I Skills I, M, T Skills
2. identify how different software applications may be used to share similar information, based on the intended audience (e.g., presentations for classmates, newsletters for parents)	2. Comm./Collab. 6. Oper./Concepts	L, I Skills I, M, T Skills
3. use a variety of media and formats to create and edit products (e.g., presentations, newsletters, brochures, web pages) to communicate information and ideas to various audiences	2. Comm./Collab. 6. Oper./Concepts	L, I Skills I, M, T Skills
3-5.RI. Research and Information Fluency - By the end of Grade 5 each student will:	NETS 2007	21st Century
1. identify search strategies for locating information with support from teachers or school library media specialists	3. Res./Info. Lit.	L, C Skills I, M, T Skills
2. use digital tools to find, organize, analyze, synthesize, and evaluate information	3. Res./Info. Lit. 6. Oper./Concepts	L, C Skills I, M, T Skills
3. understand and discuss that web sites and digital resources may contain inaccurate or biased information	3. Res./Info. Lit. 6. Oper./Concepts	L, C Skills I, M, T Skills
4. understand that using information from a single Internet source might result in the reporting of erroneous facts and that multiple sources should always be researched	3. Res./Info. Lit. 6. Oper./Concepts	L, C Skills I, M, T Skills

3-5.CT. Critical Thinking, Problem Solving, and Decision Making - By the end of Grade 5 each student will:	NETS 2007	21st Century
1. use digital resources to access information that can assist in making informed decisions about everyday matters (e.g., which movie to see, which product to purchase)	4. CT, PS, DM 6. Oper./Concepts	L, I Skills I, M, T Skills
2. use information and communication technology tools (e.g., calculators, probes, videos, DVDs, educational software) to collect, organize, and evaluate information to assist with solving problems	4. CT, PS, DM 6. Oper./Concepts	L, I Skills I, M, T Skills
3. use digital resources to identify and investigate a state, national, or global issue (e.g., global warming, economy, environment)	4. CT, PS, DM 6. Oper./Concepts	L, I Skills I, M, T Skills
3-5.DC. Digital Citizenship - By the end of Grade 5 each student will:	NETS 2007	21st Century
1. discuss scenarios involving acceptable and unacceptable uses of technology (e.g., file-sharing, social networking, text messaging, cyber bullying, plagiarism)	5. Digital Citizens.	I, M, T Skills
2. recognize issues involving ethical use of information (e.g., copyright adherence, source citation)	5. Digital Citizens.	L, C Skills I, M, T Skills
3. describe precautions surrounding personal safety that should be taken when online	5. Digital Citizens. Internet Safety	I, M, T Skills
4. identify the types of personal information that should not be given out on the Internet (name, address, phone number, picture, school name)	5. Digital Citizens. Internet Safety	I, M, T Skills
3-5.TC. Technology Operations and Concepts - By the end of Grade 5 each student will:	NETS 2007	21st Century
1. use basic input and output devices (e.g., printers, scanners, digital cameras, video recorders, projectors)	6. Oper./Concepts	I, M, T Skills
2. describe ways technology has changed life at school and at home	6. Oper./Concepts	L, C Skills I, M, T Skills
3. understand and discuss how assistive technologies can benefit all individuals	6. Oper./Concepts	L, C Skills I, M, T Skills
4. demonstrate proper care in the use of computer hardware, software, peripherals, and storage media	6. Oper./Concepts	I, M, T Skills
5. know how to exchange files with other students using technology (e.g., network file sharing, flash drives)	6. Oper./Concepts	I, M, T Skills

**BGV Educational Technology Standards for Students (BETS-S) – PK-12
Alignment with NETS 2007 and the 21st Century Framework**

Grades Six through Eight – Technology Standards and Expectations – (prior to completing Grade 8)

6-8.CI. Creativity and Innovation – By the end of Grade 8 each student will:	NETS 2007	21st Century
1. apply common software features (e.g., spellchecker, thesaurus, formulas, charts, graphics, sounds) to enhance communication with an audience and to support creativity	1. Creativity/Innov. 2. Comm./Collab. 6. Oper./Concepts	C S, 21st Cent. I, M, T Skills
2. create an original project (e.g., presentation, web page, newsletter, information brochure) using a variety of media (e.g., animations, graphs, charts, audio, graphics, video) to present content information to an audience	1. Creativity/Innov. 2. Comm./Collab. 6. Oper./Concepts	C S, 21st Cent. I, M, T Skills
3. illustrate a content-related concept using a model, simulation, or concept-mapping software	1. Creativity/Innov. 6. Oper./Concepts	C S, 21st Cent. I, M, T Skills
6-8.CC. Communication and Collaboration – By the end of Grade 8 each student will:	NETS 2007	21st Century
1. use digital resources (e.g., discussion groups, blogs, podcasts, videoconferences, Moodle, Blackboard) to collaborate with peers, experts, and other audiences	2. Comm./Collab. 6. Oper./Concepts	L, I Skills I, M, T Skills
2. use collaborative digital tools to explore common curriculum content with learners from other cultures	2. Comm./Collab. 6. Oper./Concepts	L, I Skills I, M, T Skills
3. identify effective uses of technology to support communication with peers, family, or school personnel	2. Comm./Collab. 6. Oper./Concepts	L, I Skills I, M, T Skills
6-8.RI. Research and Information Fluency – By the end of Grade 8 each student will:	NETS 2007	21st Century
1. use a variety of digital resources to locate information	3. Res./Info. Lit. 6. Oper./Concepts	L, C Skills I, M, T Skills
2. evaluate information from online information resources for accuracy and bias	3. Res./Info. Lit. 6. Oper./Concepts	L, I Skills I, M, T Skills
3. understand that using information from a single Internet source might result in the reporting of erroneous facts and that multiple sources should always be researched	3. Res./Info. Lit. 6. Oper./Concepts	L, I Skills I, M, T Skills
4. identify types of web sites based on their domain names (e.g., edu, com, org, gov, net)	3. Res./Info. Lit. 6. Oper./Concepts	I, M, T Skills
5. employ data-collection technologies (e.g., probes, handheld devices, GPS units, geographic mapping systems) to gather, view, and analyze the results for a content-related problem	3. Res./Info. Lit. 6. Oper./Concepts	L, C Skills I, M, T Skills

6-8.CT. Critical Thinking, Problem Solving, and Decision Making - By the end of Grade 8 each student will:	NETS 2007	21st Century
1. use databases or spreadsheets to make predictions, develop strategies, and evaluate decisions to assist with solving a problem	4. CT, PS, DM 6. Oper./Concepts	L, I Skills I, M, T Skills
2. evaluate available digital resources and select the most appropriate application to accomplish a specific task (e, g., word processor, table, outline, spreadsheet, presentation program)	4. CT, PS, DM 6. Oper./Concepts	L, C Skills I, M, T Skills
3. gather data, examine patterns, and apply information for decision making using available digital resources	4. CT, PS, DM 6. Oper./Concepts	L, I Skills I, M, T Skills
4. describe strategies for solving routine hardware and software problems	4. CT, PS, DM 6. Oper./Concepts	I, M, T Skills
6-8.DC. Digital Citizenship – By the end of Grade 8 each student will:	NETS 2007	21st Century
1. provide accurate citations when referencing information sources	5. Digital Citizens.	L, C Skills I, M, T Skills
2. discuss issues related to acceptable and responsible use of technology (e.g., privacy, security, copyright, plagiarism, viruses, file-sharing)	5. Digital Citizens.	I, M, T Skills
3. discuss the consequences related to unethical use of information and communication technologies	5. Digital Citizens.	L, C Skills I, M, T Skills
4. discuss possible societal impact of technology in the future and reflect on the importance of technology in the past	5. Digital Citizens.	L, C Skills I, M, T Skills
5. create media-rich presentations on the appropriate and ethical use of digital tools and resources	5. Digital Citizens. 6. Oper./Concepts	I, M, T Skills
6. discuss the long term ramifications (digital footprint) of participating in questionable online activities (e.g., posting photos of risqué poses or underage drinking, making threats to others)	5. Digital Citizens. Internet Safety	C S, 21st Cent. I, M, T Skills
7. describe the potential risks and dangers associated with online communications	5. Digital Citizens. Internet Safety	I, M, T Skills

6-8.TC. Technology Operations and Concepts - By the end of Grade 8 each student will:	NETS 2007	21st Century
1. identify file formats for a variety of applications (e.g., doc, xls, pdf, txt, jpg, mp3)	6. Oper./Concepts	I, M, T Skills
2. use a variety of technology tools (e.g., dictionary, thesaurus, grammar-checker, calculator) to maximize the accuracy of technology-produced materials	6. Oper./Concepts	C S, 21st Cent. I, M, T Skills
3. perform queries on existing databases	6. Oper./Concepts	L, C Skills I, M, T Skills
4. know how to create and use various functions available in a database (e.g., filtering, sorting, charts)	6. Oper./Concepts	I, M, T Skills
5. identify a variety of information storage devices (e.g., CDs, DVDs, flash drives, SD cards) and provide rationales for using a certain device for a specific purpose	6. Oper./Concepts	I, M, T Skills
6. use accurate technology terminology	6. Oper./Concepts	I, M, T Skills
7. use technology to identify and explore various occupations or careers, especially those related to science, technology, engineering, and mathematics .	6. Oper./Concepts	L, C Skills I, M, T Skills
8. discuss possible uses of technology to support personal pursuits and lifelong learning	6. Oper./Concepts	L, C Skills I, M, T Skills
9. understand and discuss how assistive technologies can benefit all individuals	6. Oper./Concepts	L, C Skills I, M, T Skills
10. discuss security issues related to e-commerce	6. Oper./Concepts	L, C Skills I, M, T Skills

**BGV Educational Technology Standards for Students (BETS-S) – PK-12
Alignment with NETS 2007 and the 21st Century Framework**

Grades Nine through Twelve – Technology Standards and Expectations – (prior to completing grade 12)

9-12.CI. Creativity and Innovation – By the end of Grade 12 each student will:	NETS 2007	21st Century
1. apply advanced software features (e.g. built-in thesaurus, templates, styles) to redesign the appearance of word processing documents, spreadsheets, and presentations	1. Creativity/Innov. 6. Oper./Concepts	C S, 21st Cent. I, M, T Skills
2. create a web page (e.g., Dreamweaver, iGoogle, Kompozer)	1. Creativity/Innov. 6. Oper./Concepts	C S, 21st Cent. I, M, T Skills
3. use a variety of media and formats to design, develop, publish, and present projects (e.g., newsletters, web sites, presentations, photo galleries)	1. Creativity/Innov. 2. Comm./Collab. 6. Oper./Concepts	C S, 21st Cent. I, M, T Skills
9-12.CC. Communication and Collaboration - By the end of Grade 12 each student will:	NETS 2007	21st Century
1. identify various collaboration technologies and describe their use (e.g., desktop conferencing, listserv, blog, wiki)	2. Comm./Collab. 6. Oper./Concepts	L, I Skills
2. use available technologies (e.g., desktop conferencing, e-mail, videoconferencing, instant messaging) to communicate with others on a class assignment or project	2. Comm./Collab. 6. Oper./Concepts	L, I Skills
3. collaborate in content-related projects that integrate a variety of media (e.g., print, audio, video, graphic, simulations, and models)	2. Comm./Collab. 6. Oper./Concepts	L, I Skills
4. plan and implement a collaborative project using telecommunications tools (e.g., ePals, discussion boards, online groups, interactive web sites, videoconferencing)	2. Comm./Collab. 6. Oper./Concepts	L, I Skills
5. describe the potential risks and dangers associated with online communications	2. Comm./Collab. 6. Oper./Concepts	L, I Skills Internet Safety
6. use technology tools for managing and communicating personal information (e.g., finances, contact information, schedules, purchases, correspondence)	2. Comm./Collab. 6. Oper./Concepts	L, I Skills

9-12.RI. Research and Information Fluency – By the end of Grade 12 each student will:	NETS 2007	21st Century
1. develop a plan to gather information using various research strategies (e.g., interviews, questionnaires, experiments, online surveys)	3. Res./Info. Lit.	I, M, T Skills C S, 21st Cent.
2. identify, evaluate, and select appropriate online sources to answer content related questions	3. Res./Info. Lit. 6. Oper./Concepts	I, M, T Skills C S, 21st Cent.
3. demonstrate the ability to use library and online databases for accessing information (e.g., MEL, Proquest, Infotrac, United Streaming)	3. Res./Info. Lit. 6. Oper./Concepts	I, M, T Skills C S, 21st Cent.
4. distinguish between fact, opinion, point of view, and inference	3. Res./Info. Lit.	I, M, T Skills C S, 21st Cent.
5. evaluate information found in selected online sources on the basis of accuracy and validity	3. Res./Info. Lit.	I, M, T Skills C S, 21st Cent.
6. evaluate resources for stereotyping, prejudice, and misrepresentation	3. Res./Info. Lit.	I, M, T Skills C S, 21st Cent.
7. understand that using information from a single internet source might result in the reporting of erroneous facts and that multiple sources must always be researched	3. Res./Info. Lit.	I, M, T Skills C S, 21st Cent.
8. research examples of inappropriate use of technologies and participate in related classroom activities (e.g., debates, reports, mock trials, presentations)	3. Res./Info. Lit. 2. Comm./Collab 6. Oper./Concepts	I, M, T Skills C S, 21st Cent.

Grades Nine through Twelve – Technology Standards and Expectations – (prior to completing grade 12)		
9-12.CT. Critical Thinking, Problem Solving, and Decision Making - By the end of Grade 12 each student will:	NETS 2007	21st Century
1. use digital resources (e.g., educational software, simulations, models) for problem solving and independent learning	4. CT, PS, DM 6. Oper./Concepts	L, I Skills
2. analyze the capabilities and limitations of digital resources and evaluate their potential to address personal, social, lifelong learning, and career needs	4. CT, PS, DM 6. Oper./Concepts	L, I Skills
3. devise a research question or hypothesis using information and communication technology resources, analyze the findings to make a decision based on the findings, and report the results	4. CT, PS, DM 2. Comm./Collab 6. Oper./Concepts	L, I Skills
9-12.DC. Digital Citizenship – By the end of Grade 12 each student will:	NETS 2007	21st Century
1. identify legal and ethical issues related to the use of information and communication technologies (e.g., properly selecting and citing resources)	5. Digital Citizens.	I, M, T Skills
2. discuss possible long-range effects of unethical uses of technology (e.g., virus spreading, file pirating, hacking) on cultures and society	5. Digital Citizens.	I, M, T Skills
3. discuss and demonstrate proper netiquette in online communications	5. Digital Citizens.	I, M, T Skills
4. identify ways that individuals can protect their technology systems from unethical or unscrupulous users	5. Digital Citizens. Internet Safety	I, M, T Skills
5. create appropriate citations for resources when presenting research findings	5. Digital Citizens.	I, M, T Skills
6. discuss and adhere to fair use policies and copyright guidelines	5. Digital Citizens.	I, M, T Skills

9-12.TC. Technology Operations and Concepts - By the end of Grade 12 each student will:	NETS 2007	21st Century
1. complete at least one online credit, or non-credit, course or online learning experience	6. Oper./Concepts	I, M, T Skills
2. use an online tutorial and discuss the benefits and disadvantages of this method of learning	6. Oper./Concepts	I, M, T Skills
3. explore career opportunities, especially those related to science, technology, engineering, and mathematics and identify their related technology skill requirements	6. Oper./Concepts	I, M, T Skills
4. describe uses of various existing or emerging technology resources (e.g., podcasting, webcasting, videoconferencing, online file sharing, global positioning software)	6. Oper./Concepts	I, M, T Skills
5. identify an example of an assistive technology and describe its potential purpose and use	6. Oper./Concepts	I, M, T Skills
6. participate in a virtual environment as a strategy to build 21st century learning skills	6. Oper./Concepts	I, M, T Skills
7. assess and solve hardware and software problems by using online help or other user documentation	6. Oper./Concepts	I, M, T Skills
8. explain the differences between freeware, shareware, open source, and commercial software	6. Oper./Concepts	I, M, T Skills
9. participate in experiences associated with technology-related careers	6. Oper./Concepts	I, M, T Skills
10. identify common graphic, audio, and video file formats (e.g., jpeg, gif, bmp, mpeg, wav, wmv, mp3, flv, avi, pdf)	6. Oper./Concepts	I, M, T Skills
11. understand and discuss how assistive technologies can benefit all individuals	6. Oper./Concepts	L, C Skills I, M, T Skills
12. demonstrate how to import/export text, graphics, or audio files	6. Oper./Concepts	I, M, T Skills
13. proofread and edit a document using an application's spelling and grammar checking functions	6. Oper./Concepts	I, M, T Skills

NETS 2007:	Framework for 21st Century Learning:
1. Creativity and Innovation (<i>Creativity/Innov</i>)	1. Core Subjects and 21st Century Themes (<i>C S, 21st Cent.</i>)
2. Communication and Collaboration (<i>Comm. / Collab.</i>)	2. Learning and Innovation Skills (<i>L, I Skills</i>)
3. Research and Information Literacy (<i>Res. / Info. Lit.</i>)	3. Information, Media, and Technology Skills (<i>I, M, T Skills</i>)
4. Critical Thinking, Problem Solving, and Decision Making (<i>CT, PS, DM</i>)	4. Life and Career Skills (<i>L, C Skills</i>)
5. Digital Citizenship (<i>Digital Citizens.</i>)	
6. Technology Operations and Concepts (<i>Oper. / Concepts</i>)	

Web Resources:

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[ISTE NETS for Students 2007](#)

[ISTE NETS for Students 2007 – Profiles for Technology \(ICT\) Literate Students](#)

[ISTE NETS for Students 2007 – Essential Conditions](#)

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[Framework for 21st Century Learning](#) – The Partnership for 21st Century Skills has developed a vision for 21st century student success in the new global economy.

[21st Century Standards](#)

[21st Century Assessment](#)

[21st Century Curriculum & Instruction](#)

[21st Century Professional Development](#)

[21st Century Learning Environments](#)

