

AOE Technology Survey 2022

(Fall 2021 through Spring 2022)

Please complete by September 1, 2022. This survey gathers information about education technology in supervisory unions/districts and schools for the 2021-2022 school year. The information is a tool AOE uses to determine how technology is supporting student-centered learning. The survey is in five main parts: school specific data; district-wide connectivity information; tech platform functions; tech administration; and survey conclusion. For the school specific data, please add as many schools per supervisory union as you are speaking to.

- Name
- Email
- Phone
- What is your Supervisory Union or District?
- What is your title?
- Are you the primary contact for technology related matters at your SU/SD?

School specific data (Complete this section for All Schools in your SU by clicking “Add School”)

- What is the name of your school?
- Which option most accurately describes the one-to-one status in your school?
- Does your one-to-one program allow students to take a device home?
- Does your school have the technology to support your academic programming?
- If you answered no, your school does not have the technology to support your academic programming, please indicate what technology is needed.
- How many total devices are currently available for school use?
- Please provide an estimate percentage (%) by type of devices your school has for student use. (Please note that this question asks for percentages as opposed to whole numbers and the percentages need to add to 100%)
- What capabilities are there in your school for in-classroom video/audio?
- Does your school currently have a Bring Your Own Device (BYOD) policy?
- Without a Bring Your Own Device (BYOD) policy, do you believe technology can be distributed equitably within your student population?

District Wide Information: Internet Service Provider, Wi-Fi, Connectivity Information

The remaining questions speak to district wide information.

Contact Information:

If you have questions about this document or would like additional information, please contact:
Lisa Helme, Student Pathways Division, at lisa.helme@vermont.gov.

- Who is the primary Internet Service Provider for this school?
- What is the primary connection type for schools in your SU/SD to connect to the Internet?
- What is the current upload speed for schools in your SU/SD (as advertised by your provider)?
- What is the current download speed for schools in your SU/SD (as advertised by your provider)?
- Do the schools in your SU/SD provide "guest" or "public" Wi-Fi access?
- If schools in your SU/SD provide "guest" or "public" Wi-Fi, please select the option below that best describes the area served by the Wi-Fi.
- Is there another location in the community to access free Wi-Fi?
- What is the typical cell phone coverage at the schools in your SU/SD?
- Entering into Education Recovery from COVID, how important is home broadband access for students to fully access SU/SD or individual school educational opportunities? Choose one. (Choices: Home broadband is required for full access to ed opportunities; Home broadband enhances access to ed opportunities but not required; Home broadband access is not needed to access ed opportunities)
- Below are possible reasons why student home broadband access may be important to a student's educational experience. Please indicate whether you agree or disagree with the statements listed below. (Allows student to learn remotely, if needed. Allows student access to resources to complete schoolwork. Provides connection for school/home communication. Provides connection for student-to-student communication. Home broadband is not a responsibility of the school. Home access is not important when student is attending in-person school.)
- If you have a reason why student home broadband access is or is not important that was not listed in the previous question, please provide it here.
- Does your SU/SD or individual schools track student home broadband access?
- If yes that you do track home broadband access, select the option that best describes how your SU/SD or individual schools learn about this lack of connectivity.

Technology Platforms & Functions

- What technology platform(s) do the schools in your SU/SD use for an SIS? A Student Information System is a software platform used to manage student data. Listed below are online platforms previously reported to the AOE as in use within Vermont schools. Please indicate by each platform whether your school is using it as an SIS. If you are not using an SIS indicate that in the next question. (Alpine Achievement, Alma, Canvas, Empower, Infinite Campus, MMS, PowerSchool, Rediker, TylerSIS, Web2School)
- If the schools in your SU/SD use an SIS platform not listed in the previous question, please enter the platform name.
- What could be some benefits to implementing a statewide SIS platform? Please respond to the following statements. (Easier data reporting to state and federal agencies. Easier to share data between schools and districts in Vermont. Could access SIS expertise from other Vermont system users. District resources focused on one system rather than multiple systems. System continuity from year to year. No benefit.)
- If you have other reasons why a statewide SIS would or would not be beneficial, please

provide it here.

- Does your grade book tool platform (SIS) track proficiency graduation requirements?
- What technology platform(s) do the schools in your SU/SD use for an LMS? A Learning Management System is a software application for the delivery of educational courses or learning and development programs. Listed below are online platforms previously reported to the AOE as in use within Vermont schools. Indicate by each platform whether your school is using it as an LMS. Please note - Google Workspace for Education is NOT an LMS, see upcoming question. (Alma, Canvas-used by VTVLC, JumpRope, ManageBac, Otus, PowerSchool, Schoology, Seesaw, Toddle, Unified Classroom, Web2School)
- If schools in your SU/SD use a LMS platform not listed in the previous question, please enter the platform name below.
- Google Workspace for Education is a popular application used by many Vermont schools. In last year's survey, schools listed this suite of programs as their primary Learning Management System (LMS). Google describes its applications as tools to be used with a school's LMS and not as an LMS. Please indicate for each application the PRIMARY use of the program by schools in your SU/SD. (In Classroom Only, Student Tool Only, Teacher Tool Only, Schoolwide Use, Other, Don't Know)
- Please share any additional information you would like about your SU/SD use of Google Workspace for Education.
- Have schools in your SU/SD invested in Online Teaching Specialist certification for teachers?
- What technology platform(s) are students in your SU/SD using to develop their Personalized Learning Plans (PLPs)? Listed below are online platforms previously reported to the AOE as in use within Vermont schools. Please indicate by each platform whether your school is using it to manage PLPs. (Alpine Achievement, bulb, Canvas, Dreambox Learning, Google Workspace for Education, Naviance, PowerSchool, SchoolHack/Lift)
- If schools in your SU/SD use a platform for PLPs not listed in the previous question, please enter the platform name below.
- Do you use an online learning provider to support your educational process?
- If you do use an online learning provider, list your provider.
- If you do use an online learning provider, how are you using the provider? (full-time learning, hybrid learning with on-site staff, limited to targeted interventions, don't use)
- Below are characteristics of online learning providers. Select "agree" for each characteristic that describes your provider. (provided by licensed educators; in-state provider; out-of-state provider; accredited or nationally recognized provider; curriculum provided aligned to state adopted content standards & local proficiencies)

Technology Administration

Cybersecurity & Data Privacy

- Schools are increasingly the focus for attacks by cyber criminals. Listed below are measures SU/SD can take to improve their cybersecurity posture. Please indicate your SU/SD actions for the following measures. (Network monitoring to detect malicious activity. Network vulnerability scanning. Timely patching of security holes. Application firewall in place. URL filtering. Email security. Anti-virus software in use. Regular employee training. Multi-factor password authentication. Data Breach Response Plan)
- If you indicated that your SU/SD does not have a data breach response plan, please indicate the barriers to put such a plan in place. Select "agree" if the barrier listed is preventing your plan. (Lack of expertise, Lack of funding, Lack of staff time to execute a plan, Lack of administrative support for a plan, There is no need for a plan, Other)
- If you have a reason why your SU/SD does not have a data breach response plan that was not listed in the previous question, please provide it here.
- What is the greatest need your SU/SD has in the area of cybersecurity?
- Federal laws mandate the protection of student data. In Vermont, AOE supports the Vermont Student Privacy Alliance (VSPA), a collaborative group of SU/SD representatives sharing common concerns around student privacy. Is your SU/SD a member of the VSPA?
- Does your SU/SD request online application vendors to sign a student data privacy agreement?

Digital Learning Plans

- A digital learning plan is a guide for how your SU/SD will support digital learning. Digital learning is any instructional practice that effectively uses technology to strengthen a student's learning experience. Does your SU/SD have a digital learning plan in place?
- If you have a digital learning plan, how often is the plan updated?
- If your SU/SD does not have a plan, please select the reason that BEST represents why you do not have one.
- Based on prior year experiences, what do you believe should be a fundamental component of a digital learning plan? (Technology Infrastructure & Devices, Staffing & Educational Roles, Content & Software, Digital Learning Innovations, Policy, Funding, Professional Learning, Data Protection & Privacy, Other)
- How can AOE best support your SU/SD in creating and maintaining a digital learning plan?

Assistive Technology

- Does the SU/SD invest in or provide assistive technology to students?
- What types of assistive technology does your SU/SD maintain (Alternative keyboards, Audiobooks & publications, Devices for writing (laptops, tablets), Graphic organizers, Optical character recognition, Personal FM listening systems, Sip and puff systems, Speech synthesizers/screen readers, Talking calculators, Text to speech software)

- How does your SU/SD or schools provide training in the use of assistive technology?

Technology Standards & Computer Science

In 2017, the Vermont State Board of Education adopted the International Standards for Technology Education. These standards outline what Vermont students should know and be able to do with respect to information technology and will guide and inform the work of schools as they prepare students for college and careers that have been dramatically transformed by information technology.

- How are the schools in your SU/SD integrating ISTE standards into the curriculum? Below are options. Please indicate for each option whether it is something your schools are commonly doing. (Schools have a specific technology curriculum with ISTE standards. Teachers encouraged to incorporate ISTE standards into class curriculum. Instructional coaches help teachers incorporate ISTE standards into their lessons. ISTE standards are embedded in the instruction on new devices & platform uses. Schools offer teachers professional development on ISTE standards.)
- How has technology education been leveraged in your SU/SD to teach students how to use technology in meaningful ways?
- Regarding Computer Science and STEAM activities, please indicate what activities the schools in your SU/SD provide. (After school computer club or related “club.” Computer club during school. Extended learning opportunities. FIRST Lego League Challenge. Hour of Code activities. Other coding activities during the course of the year. Makerspace-in school or community. Robotics. Summer offerings-camp.)
- Does your SU/SD offer computer science courses as defined as the science that deals with the theory and methods of processing information in digital computers, the design of computer hardware and computing applications?
- What grade ranges are computer science courses available?
- Who is the primary contact for computer science curriculum in your SU/SD?

Concluding Comments

- What professional learning or other resources would assist your SU/SD in the area of technology?