

AOE Technology Survey 2021

Fall 2021 through Spring 2021

Please complete by September 30, 2021. This survey gathers information about education technology in supervisory unions/districts and schools for the 2020-2021 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%)
- Does your school currently have a Bring Your Own Device (BYOD) policy?
- If you do not have a BYOD policy, why? Select the answer below that best describes your primary reason for not having one.
- If you do have a BYOD policy, why? Select the answer below that best describes your primary reason for not having one.
- What capabilities are there in your school for in-classroom video/audio?
- In response to COVID-19, what actions did your school take to address home connectivity issues for students? Listed below are options your school may have utilized. Please indicate by each option whether your school implemented that action.

Contact Information:

If you have questions about this document or would like additional information, please contact:

Lisa Helme, Student Pathways, at Lisa.Helme@vermont.gov

(Provided Wi-Fi hotspots. Provided Wi-Fi hotspots in school buses. Provided financial subsidy for home internet service. Extended Wi-Fi access at the school building.)

- If your school implemented an action not previously listed, please list that action.
- In response to COVID-19, schools implemented new technology and practices to deliver educational services to students. Below is a list of technology options. Please indicate by each option the status of use by your school in the UPCOMING school year. (Wi-Fi hotspots. Free Wi-Fi signal to school parking lot. 1-to-1 student Chromebook/devices for home use. IT help support for home use. School-wide online LMS for remote learning.)
- If your school will continue with a new technology or practice not previously listed, please describe.

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

The remaining questions speak to district wide information.

- 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)?
- Is your connection shared?
- How many schools share the connection?
- If your schools share a connection, which response below describes the quality of the shared connection?
- 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?
- Does your SU/SD or individual schools survey students to determine their home broadband access?
- If yes that you do survey, select the option that best describes how students are surveyed or how you learn about it.
- Do you maintain a list of student home addresses that have no/low broadband?
- If yes that you do survey, what percentage of students in the schools of your SU/SD do not have broadband access at home?

Technology Platforms & Functions

- Approximately what percent (%) of your IT services are currently situated in the cloud?
- 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)

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- If the schools in your SU/SD use an SIS platform not listed in the previous question, please enter the platform name.
- Would you favor AOE adopting a statewide SIS platform?
- 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.
- What professional learning or other resources would assist your SU/SD in the area of technology?
- What online learning provider(s) do you use? Listed below are providers previously reported to the AOE as in use by Vermont schools. Please indicate by each option whether schools in your SU/SD utilize that provider. (Brigham Young University Online, Edgenuity, Khan, Oak Meadow, Virtual High School, Vermont Virtual Learning Cooperative (VTVLC), SU/SD created virtual academy)
- If you use an online provider not listed in the previous question, please list it here.

- As a result of COVID-19 and the increased experience schools had with online learning, will schools in your SU/SD be more likely or less likely to utilize online learning providers such as VTVLC?
- As you have indicated schools in your SU/SD are more likely to utilize online learning platforms, please explain why.
- As you have indicated schools in your SU/SD are less likely to utilize online learning platforms, please explain why.

Technology Administration

Cybersecurity

- 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.)
- What is the greatest need your SU/SD has in the area of cybersecurity?

Data Privacy

- 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.
- 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?
- If yes, how many students in your SU/SD are using assistive technology?
- Are those students on IEP, 504, EST Plans?
- Is assistive technology funded through IDEA initiatives? (Individuals with Disabilities Education Act)

- Who in your schools have training to provide assistive technology? (Administrators, IT Personnel, Paraprofessionals, Teachers, External providers--e.g. DAIL)

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?
- What resources do you need to support your education technology program?
- Regarding Computer Science and STEM 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?
- What grade ranges are computer science courses available?
- Who is the primary contact for computer science curriculum in your SU/SD?