

Information and Technology

2019 Annual Report

Hayward Community School District



Overview

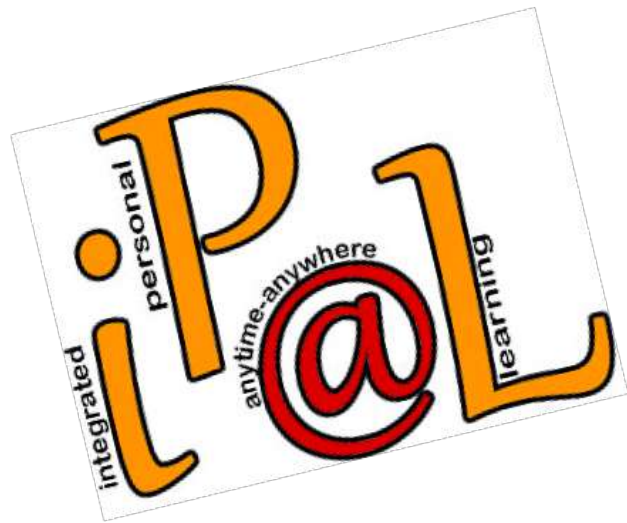
Technology is advancing continuously and the Hayward Community School District is keeping pace. As we continue to move forward with our iP@L initiative (which provides the opportunity for students to learn anytime, anywhere) certain technological infrastructure and instructional changes needed to happen. Through hard work, we have seen positive changes in our teaching practices, pervasive technologies and infrastructure. This report will give you a chance to learn more about the changes that took place this past school year and the direction we are headed in the future.

For up-to-date information throughout the year, please access our District Webpage at www.hayward.k12.wi.us

Information & Technology Mission Statement

The Hayward Community School District is committed to providing a learning environment that prepares all students for success in the 21st Century.

To achieve that mission, students are trained in the various methods to obtain, utilize and share information. Instructional technology as an educational tool spans grades Pre- Kindergarten through Twelve. A concentrated effort is made to integrate technology into all curricular areas. It is used to enhance classroom activities by serving as a tool for writing, reading, problem-solving, decision-making and creative expression.



Pervasive Technology

Our goal is to provide appropriate technology to every student when needed. Each school distributes technology in appropriate ways for their students.



To meet the needs of the Primary School students. We provide 1 device per every 3 students. Each classroom has an average of six devices. Chromebooks are used in grades 1 and 2 and i-Pads are used in the Kindergarten classrooms. We also have a computer lab for whole class use and a cart of 20 Chromebooks that

can be checked out when needed.

To meet the needs of Intermediate school students, we are 1:1 Chromebooks. Every classroom is equipped with a classroom charging cart. Students are issued an email account and encouraged to use the Google Suite for education.

At the Middle School, 6th, 7th and 8th-grade students are issued a Chromebook that they carry with them from class to class and leave at school



overnight. This year we upgraded to a touch screen/flip chromebook to allow students to use the device as a traditional Chromebook and also as a tablet. Two labs also serve the Middle School student. One is used for the Business Education classes and the other is used in the Technology Education classes.

We've transitioned from the student MacBooks to the touch/flip Chromebook at the High School. We found that the high repair cost of the Mac was prohibiting some students from taking the device home. We did our research and found that we could provide students with a less expensive device that could still do everything needed. We now have 98% of students taking the device home. We also offer wifi hot-spots on a check-out basis to students who do not have adequate internet access. We offer four labs at the High School, three PC labs and one Mac Lab.



Optimize Technology


In our quest to achieve our goal of preparing students for the real world, it's essential that the devices our staff members rely on are up to date and fully functional. By utilizing the talents and experience of our Information & Technology Staff we are able to meet the intense learning needs of our students and continue to move toward reaching our goals.

The Information and Technology department is taking full advantage of the remote capabilities of Google

Admin Console, Casper Management Suite, Hapara, Apple Remote Desktop, and Aristotle to manage over 2500 devices in the school district.

The Google Admin Console allows us to personalize content for individual teachers or classes. Keeping up-to-date with all the individual apps, extensions and add-ons can be a daunting task. The Google





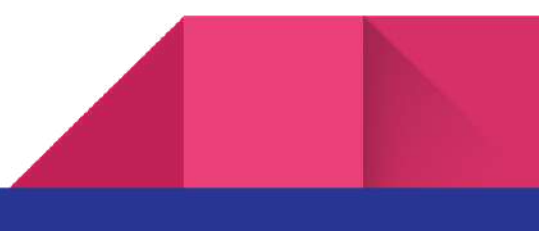
Admin Console seamlessly distributes a variety of apps to specific devices. This allows us to personalize content for individual teachers or classes. Casper Management Suite is also used to personalize the content on the i-Pads and push out content on the Apple devices.

Student safety is a top concern for us. We have upgraded to a cloud-based web filtering system call Securly. Securly provides both in-school and take-home filtering through the same admin console.

Along with an awesome filtering system, Securly offers cyber-bullying and self-harm detection and a parent portal that allows parents to view their student's internet activities in-school and at-home across all of their school-owned devices. Parents are also able to customize what their student can do and see on their school-owned devices while off school property. They can allow or deny access to specific sites and categories and also set time limits on online activities.

Insight, Hapara and Aristotle also help to keep students safe by allowing us to watch student activity without having someone looking over their shoulders. It tracks student activity and alerts us when policy is broken or when we can help with critical incidents.

Each summer our school computers get makeovers from our Technical Support Team. These include re-imaging them with the newest software, security updates and upgrades. Our goal is for every computer



to be 'ready-to-roll' when the students come back from summer break. The efficiency gained by utilizing these tools ultimately impacts student learning by allowing our teacher and support staff devices to be up-to-date and operational.

Operating System Upgrades

PC users were upgraded to a number of enhanced features to help create a more efficient working environment within Windows 10. In the spring of 2019, our Mac users were also upgraded to Mojave, the current Mac operating system. OS Mojave is a major upgrade with a couple of attractive headline features that improve the stability, performance, and compatibility.

Upgrade Teacher Laptops

During the Spring of 2019, the Hayward Middle School Staff laptops were upgraded. High performance, Mac Airs were purchased to increase efficiency.

As always, all staff laptops were updated to the most current operating system, ensuring high-performance levels and productivity.



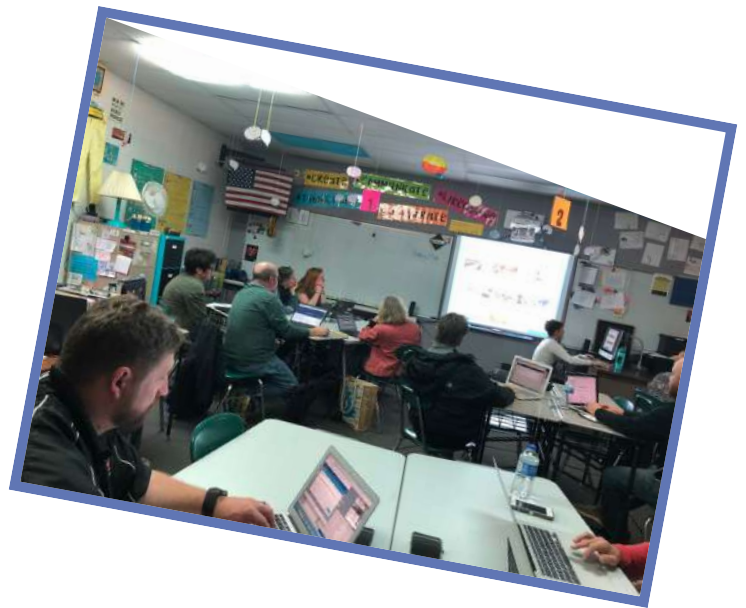
Online Scheduling

Spring of 2019 brought an upgrade to our high school and middle school scheduling. Together our tech, guidance, secretarial and admin teams, we were able to streamline the scheduling process to an online operation. This greatly improved the old system and allowed for a more efficient process.

Talent Development

Training and development are vital in moving our school district forward. One of our first steps in keeping up with ever-changing and rapidly expanding technology is to encourage collaboration and more learning time. Technology training is offered throughout the year for all staff members. This year we

stepped up our after-school tech sessions by adding more classes and a tech coach to assist teachers in one-on-one situations. The Hayward Community School District was very fortunate again this year to have been awarded a \$15,000 TEACH grant to provide technology training



for our teaching staff. We had 27 staff members participate in 22 different workshops/conferences such as Google Midwest Summer, SLATE, WEMTA, CESA 12 Workshops and TIES to learn contemporary uses of technology.

Tech Integration Specialists and technology-advanced staff members are always willing to help a fellow colleague teach a class or collaborate on a project. A variety of topics were offered including refresher classes, current development and future technological trends. An additional benefit of the technology training sessions is the amount of collaboration that occurs between staff in different buildings.

Teachers are always welcome to contact their building's Technology Integration Specialist for assistance with technology-related ideas, problems or issues.



District Information and Technology Goals

Overall, we want our school's educational program to meet the needs of our students and to allow our teachers to be more effective. Classrooms are changing. No longer will students be confined to a seat, classroom or schools. No longer will our classes be limited to instructors from 8:00 to 3:45 on a 180-day academic calendar. With the adoption and implementation of Pervasive Technologies and global connectivity, students will be able to learn and teachers will be able to teach at any time in any location. Schools, course offerings and teaching pedagogy will need to be dynamic and ever-changing.

Goal 1. ACCESS TO INFORMATION RESOURCES AND TOOLS

Utilize technology to improve teaching and learning. Administrators, teachers, and staff will create a student-centric, relevant and rigorous learning environment through the use of Pervasive Technologies and Integrated Personal Anytime, Anywhere Learning (iP@L).

Goal 2. STUDENT ACHIEVEMENT

All students will experience a quality standards-based technology-infused education that maximizes learning and encourages connectivity, productivity, and efficiency.



Goal 3. EFFECTIVE TEACHING AND LEARNING

The comprehensive and purposeful use of technology will support how students learn through innovative teaching, learning strategies and pedagogy.

Goal 4. SUPPORT SYSTEMS AND LEADERSHIP

Hayward Community School District will continue to develop the capacity to use appropriate technology in all disciplines and at all levels to improve productivity and enhance learning.



iP@L Initiative

**Integrated Personal Anytime,
Anywhere Learning**

**Going beyond the 1 to 1 initiative
by increasing achievement using
anytime, anywhere learning!**

Integrated Personal Anytime, Anywhere Learning (iP@L) is a partnership of all stakeholders (teachers, parents, students, community) working together to increase achievement by improving teaching and learning in a collaborative environment by implementing the incorporation of cloud-based teaching and learning into our schools.

- ❖ Our vision is to increase learning using integrated personal anytime, anywhere learning (iP@L).
- ❖ Our mission is to increase achievement by improving teaching and learning in a collaborative environment. This is done by creating a partnership of stakeholders and implement cloud-based teaching and learning.

Our goals for 2019-20 will be to:

- Assist teachers with an increasing presence for their teaching resources in the Cloud (Internet) using either Moodle, Google Suite for Education or other Content Management Systems.
- Identify times and outline tasks to be completed in order to allow Personal Learning Network Collaboration.
- Move toward Pervasive Technologies for all teachers to use within the District.
- Grassroots teacher development of the iP@L initiative by developing the action plan with teacher input, ideas and opinions.

- 1 to 1 ratio of computers verse Pervasive Technologies.
- 1:1 reflects the ratio of technology to students; Pervasive Technologies signifies appropriate technology will be available when needed.
- Pervasive Technologies is the growing trend towards embedding technology into all instruction.
- Seamless Integration of Technology through our Infrastructure Wired LAN, Moodle Server, SAN (data storage), Wireless LAN (vlans), Bandwidth, Filtering, access to Cloud, etc issues, including:
 - Hardware management issues dealing with school-owned computers, school-owned personal devices, parent/student-owned computers and parent/student owned personal devices.
 - Migrate information into the Cloud to allow for student access anywhere, anytime through the required use of Content Management Systems (Moodle, G-Suites for Education and/or Google apps).
- Allow time for Professional Learning Communities, Personal Learning Networks and Collaboration.
- PLCs are school-based structures in which staff learns together with the goal of improving student achievement

through continuous improvement, shared leadership and school reform.

- PLNs are about working collectively in grade-level, department-level or school-wide teams around common tasks related to student achievement. PLNs are about individuals gathering information and sharing resources that enhance their personal and professional learning.
- Time for collaboration, curriculum alignment and staff development to increase Technological Knowledge and Pedagogical Knowledge that will incorporate seamless infusion of technology.
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- Continue to refine our student computer usage options.
- All students are able to use a computer at school on a daily basis. Computers will stay at school and may be taken home by special request. Families will be financially responsible for all damages (much like any other piece of school property).

- High school students may use the computer at school and at home. All maintenance/software/management will be done by the district. The family will be financially responsible for all damages (much like any other piece of school property). Insurance is offered for anyone who would like to take advantage of this service.

Looking Ahead 2020 and Beyond

- ❖ Continually improve our Anytime, Anywhere Learning
- ❖ Upgrade and Update Wifi Network
- ❖ Upgrade Network Infrastructure
- ❖ Continue Staff Development
- ❖ Streaming Events
- ❖ Professional Learning Opportunities
- ❖ Online Student registration
- ❖ Online Assessment
- ❖ Continually improve our Chromebook Program
- ❖ Support “ACHIEVE”

