

Current State of District-Wide Instructional Technology Use

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Instructional Technology,

Data and Assessments – Teacher on Special Assignment

Pacific Grove Unified School District



Our Focus

1. How is technology currently being used to promote better teaching and learning?
2. What kind of teacher support is in place?
3. What is our next step?

Presentation Objectives: To describe some of the different ways that technology is currently being used by teachers and their students across the district and, in doing so, answer these three questions.

1. How is technology currently being used to promote better teaching and learning?

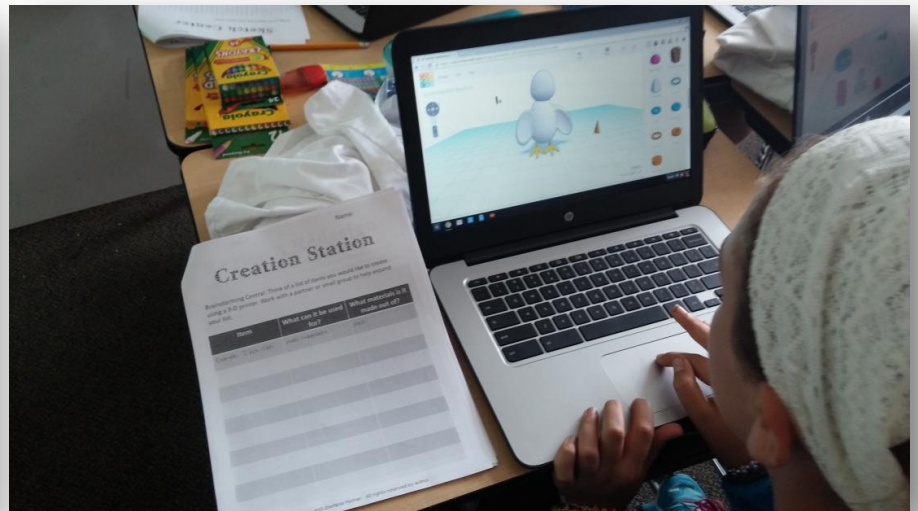
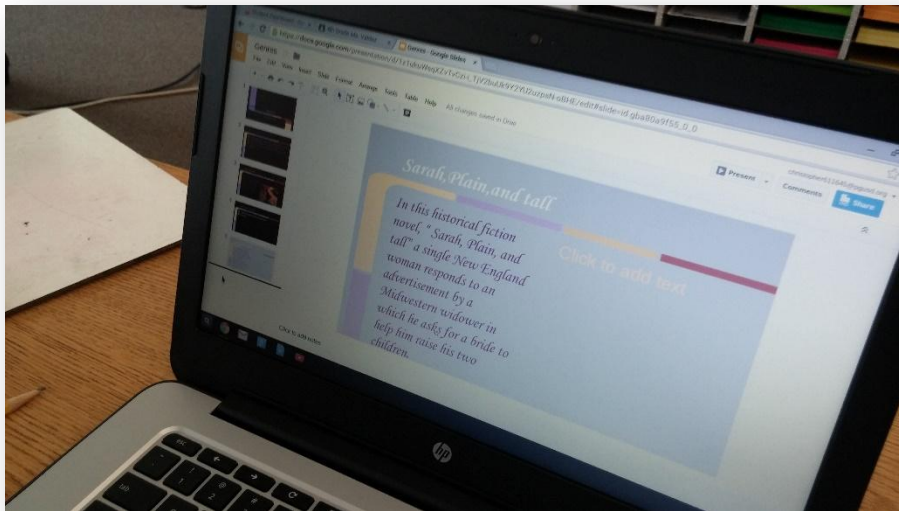
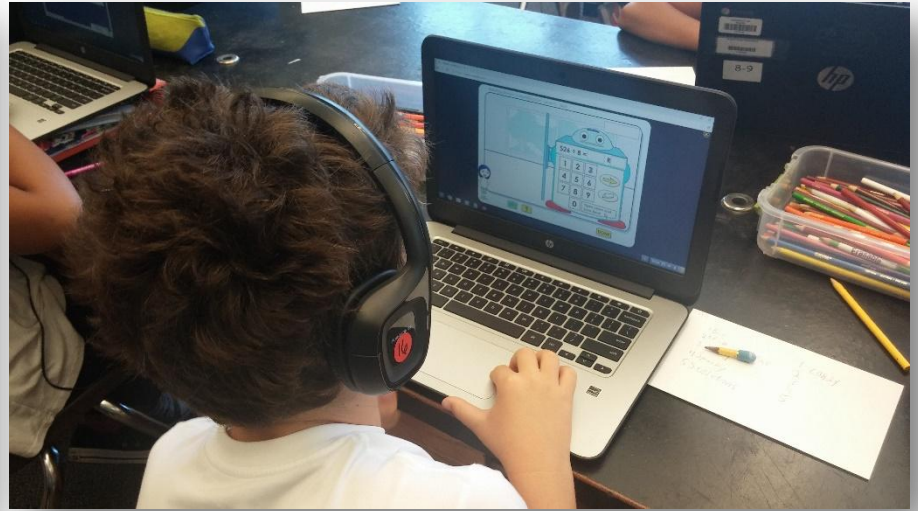
Hardware



1. The purchase of iPads for the K, 1st, and 2nd grade levels and Chromebooks for students at grade 3 and above have made it possible for teachers to better provide individualized, targeted instruction and have given students immediate access to rich multimedia subject matter and a variety of creative online tools for completing projects. Other hardware such as updated LCD projectors and document display cameras have improved students' visual access to content within the classroom.



Students are fully engaged - using the technology during both individualized learning and even collaboratively as they problem solve, practice, and complete project work using some of this newer hardware.



Learning Programs



Another key area of how teachers are now better using technology is online learning programs. Examples include: TCI- is used at the Middle School, Math180 a blended math intervention program used by teachers at the Middle School and High School, and Think Through Math has been added to the math curriculum at the Middle School and has improved student access to common core align online math instruction.

Information Management Systems



A third piece includes use of Information Management Systems. Pearson PowerTeacher continues to be used by teachers for in-class record keeping and grade reporting, Illuminate Education, which is increasingly being used for data analysis and assessment design, delivery, and scoring, and the state's new CAASPP system which is not only used to administer the end-of-the-year Smarter Balanced Assessment but is starting to be used by teachers to access standards-aligned interim tests as well.

Apps



Gmail



Calendar



Drive



Docs



Slides



Sites



Sheets



Youtube



Chromebooks



Blogger

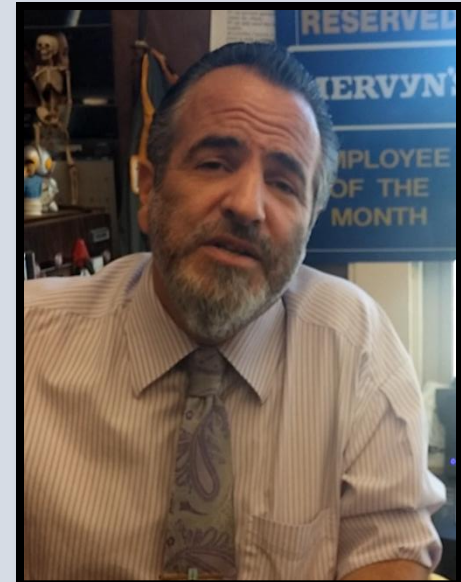


Classroom

One of the most exciting and popular forms of technology now being used by both teachers and students comes by way of Google. Google Apps for Education has dramatically altered the teaching and learning equation. With these Apps, students can now create, share, and collaborate on digital products in real time and teachers now have the ability to easily distribute digital class materials, monitor student progress, provide timely feedback, and facilitate exchanges of ideas and knowledge across the classroom as students work within the "Google Ecosystem".

Teacher Interviews:

“How are you now using technology in the classroom?”



Ms. Jenna Hall from the High School explaining one of the ways she increases student participation and engagement. Ms. Stefanie Pechan from Robert Down explaining how she's using design software for 3D printing. Mr. Steve Ibrahim explaining how his students are benefiting from this new technology.



Chromebooks

How does your Chromebook enhance your learning in 4th grade? Use complete sentences and provide examples.

Emily

My Chromebook enhances my learning in 4th grade, by knowing how to go to different websites, and how to use them. This has allowed me to do the stuff we learned at school at my house. At home, I have done a PowerPoint presentation and opened up a Word Docs presentation and am writing a story. All of this is happening because of the Chromebooks.

August

We research about California when we made the California project. We did splashmath to do some math. Sumdog also helps me because it is fun and has math. We use the Chromebooks to research social studies and longitude and latitude. I learn some from Chromebooks.

Erin

Chromebooks enhance my learning by helping me learn to use tech to learn. It also has programs that you could learn math or science on. I can use it in school or at home witch helps me remember the info I learned in class, I can also show my parents.

Sydney

My Chromebook can enhance my learning because it has a lot of fun math games. It also has google docs, which we use a lot for writing summaries on books one we did was "Sarah, Plain and Tall." We use google slides a lot too, we use that for stuff like Genres. I like our Chromebooks a lot.

Students have also shared their views on how they are benefitting from their use of this newer technology. These responses come from Ms. Valdez's 4th Grade class at Forest Grove using a new app called Padlet. They responded to the question: "How does your Chromebook enhance your learning in 4th Grade?"

Technology in the classroom has the potential to....

- Build foundational skills
- Facilitate individualized learning
- Promote digital collaboration
- Permit timely access to rich digital content
- Enable multimedia project-based learning
- Support the writing process
- Foster creativity

Classroom Technology clearly has enormous potential to produce these types of learning experiences and outcomes.

2. What kind of teacher support is now in place?



To provide timely and relevant support , a team of Tech Ninjas has been assembled and is comprised of a group of 12 teachers (2 to 3 at each school site), each serving specifically as an instructional technology leader at their school, and as the first point of contact by their colleagues seeking assistance and support in matters related to the use of classroom technology.

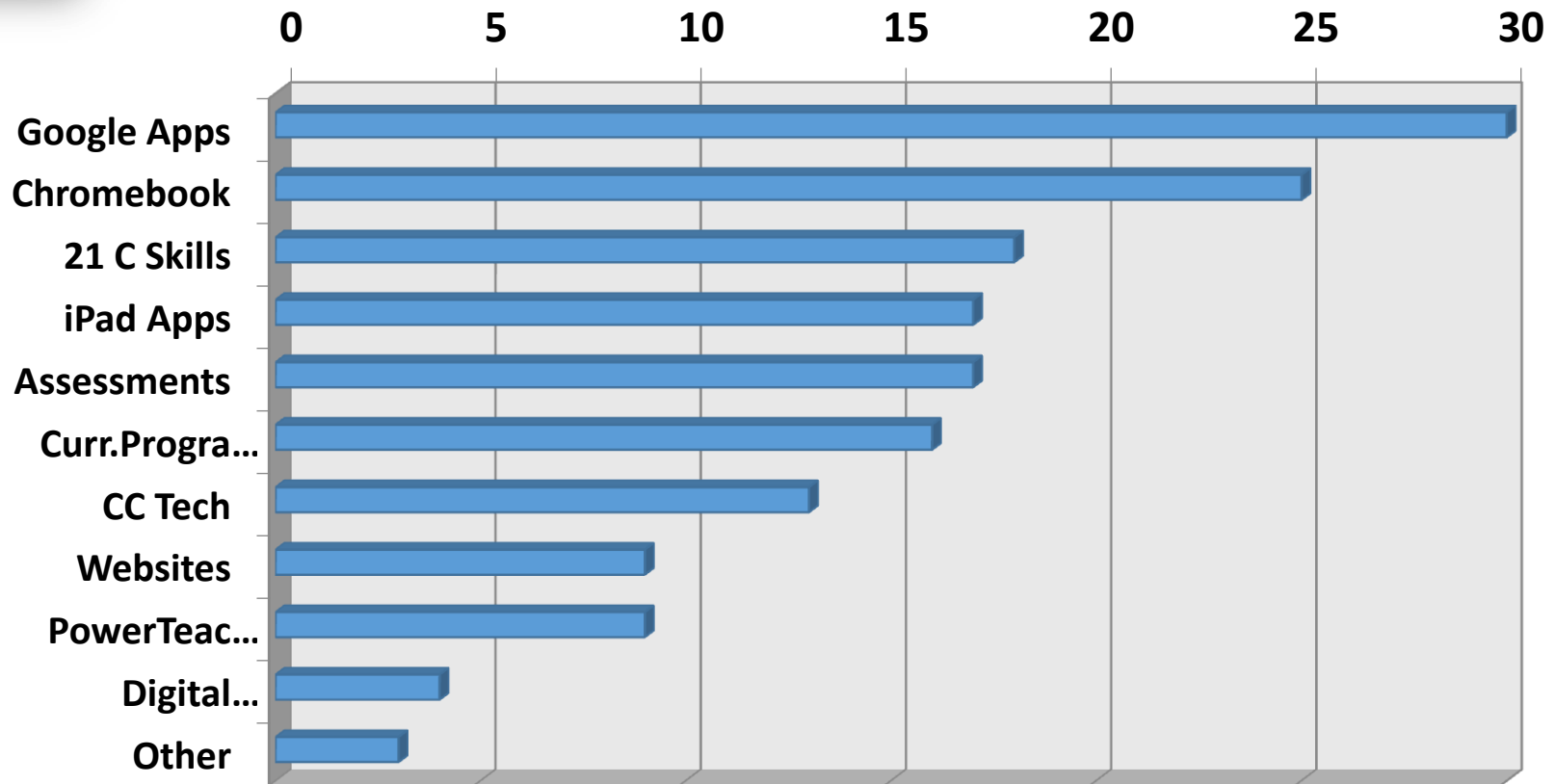


1. Increase Google Apps for Ed. proficiency (district-wide) and model expert use within the “Google Ecosystem”
2. Serve as “Vetters of Ed-Tech”: Selecting, testing, and evaluating classroom technology that offers educational value.
3. Build shared knowledge and awareness around best practices/uses of instructional technology

We've drafted an official Tech Ninja "Plan of Attack" for this school year consisting of these three Ed-Tech focus areas (goals).



Most important area(s) for Ed Tech training and support?




We sent out an Ed-Tech Survey at the start of the school year to gauge which areas of support teachers felt were the most important. Google Apps made the top of the list and confirms the importance of building understanding and skills in using these tools to advance classroom instruction and student learning.

PGUSD Educational Techn x Matthew

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Welcome to the Ed Tech Page at PGUSD. The world of instructional technology is

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- Forest Grove School has enough

Ed Tech Hub

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TOOLS TECHNIQUES SUPPORT CALENDAR

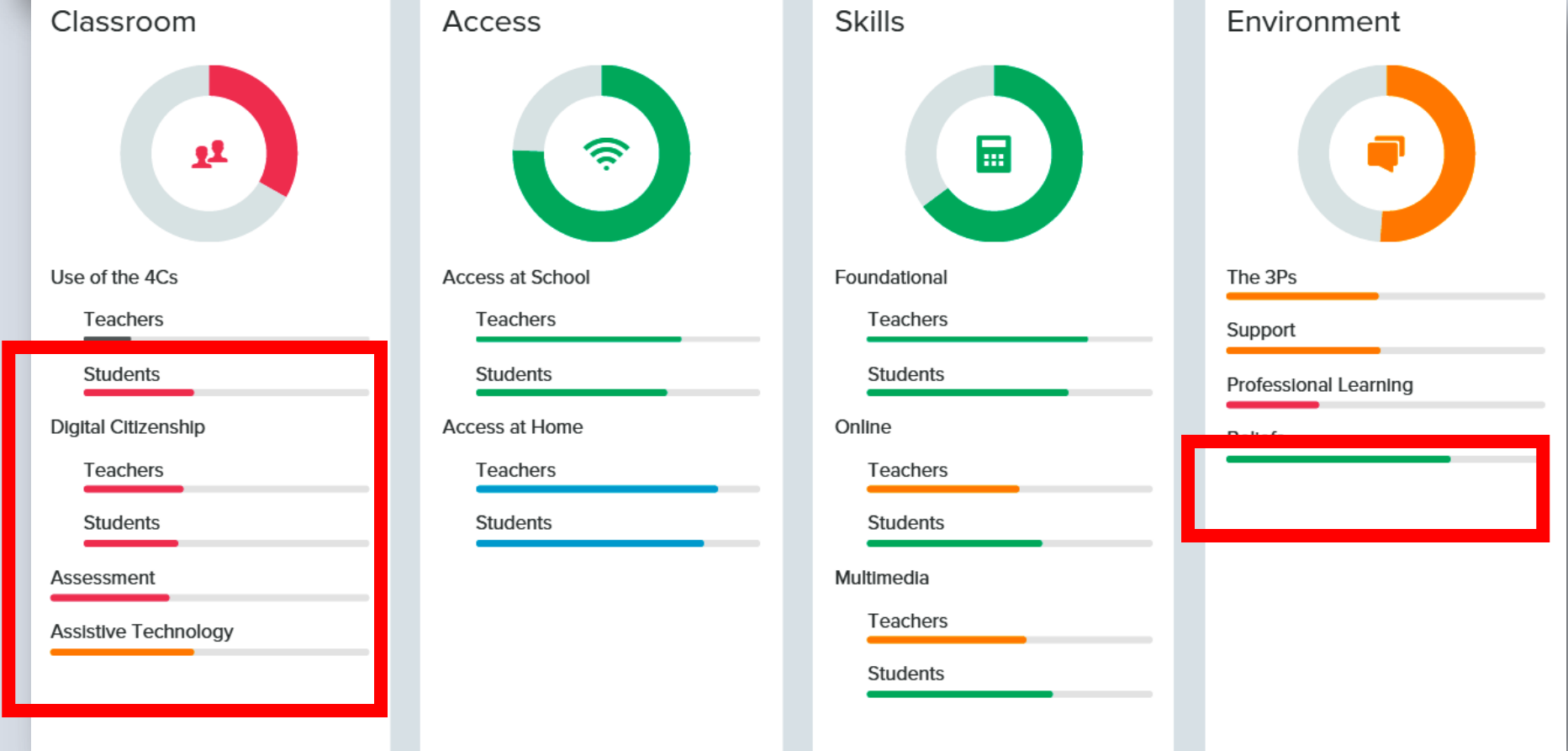
We now have a dedicated Ed Tech webpage on the district site along with The Ed Tech Hub which is an internal Google Site set up for teachers to be able to access relevant training materials that accompany some of the hands-on training that they are receiving from the Tech Ninjas during the year.

3. What is our next step?

ClarityTM
Linking Technology
to Learning

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We've brought-on a comprehensive survey and analysis tool called Clarity to continue to collect feedback from teachers and students on their level of preparedness in working with technology.



From our initial sampling, we've collected responses from teachers and students at three school sites which reveal specific instructional technology areas in need of continued focus and development. Use of the 4-C's, Digital Citizenship, online assessments, and professional development are each key areas that, according to these initial results, might need to be further supported.



Shedding additional light on which steps to take as we move forward, the National Educational Technology Standards for Students, Teachers, and Administrators alike, clearly define specific areas of common focus, including Digital Citizenship, professional growth, and continued learning and technology skill building.

Strategic Ed-Tech Plan

- Professional Development
- Digital Citizenship
- 21st Century Skills (i.e. the 4 C's)



With these indicators, we can now start to craft a new comprehensive Strategic Educational Technology Plan to include these three key areas: Professional Development, Digital Citizenship (e.g. internet safety, prevention of cyber bullying, and promoting responsible and ethical uses of technology, etc.) and 21st Century Skills. Around these three components, we hope to build partnerships across the County and throughout the region, develop broad stakeholder involvement and participation in drafting this plan and present such a plane for review in early Fall, 2016.

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Thank You

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