DIGITAL LEARNING & DISTRICT PLANNING: IDEAS IN THE CLOUD MEET CLASSROOM REALITIES

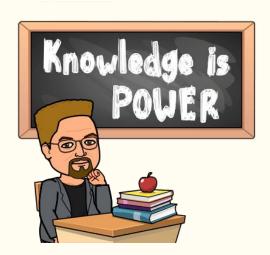


June 26th, 2023

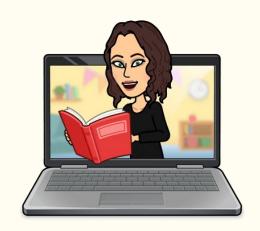




INTRODUCTIONS



Matt Gehrett, Ed. D. Director, Educational Technology matt.gehrett@dinuba.k12.ca.us



Katherine Goyette
CS Coordinator - CA Department of Education
kgoyette@cde.ca.gov



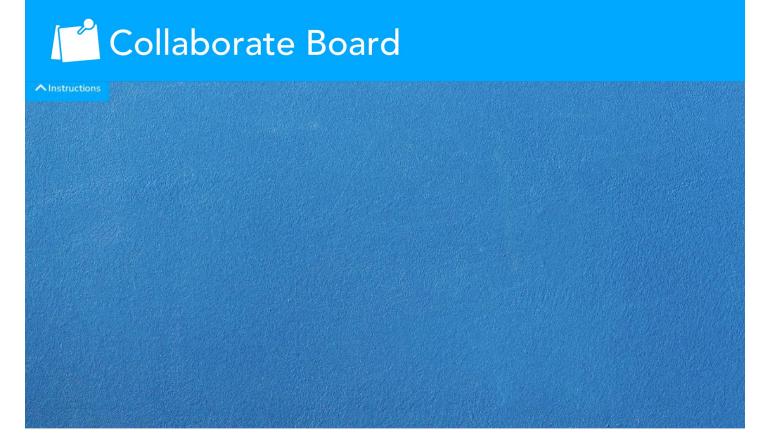
Katrina Sheaffer District Teacher Librarian ksheaffe@dinuba.k12.ca.us

REFLECT

What barriers do you face in implementing digital learning in your system?







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SETTING THE FOUNDATION (2020-21)

- The District Librarian worked with County Consultants and Director of Educational Technology/Instructional Program Analysis
- Drafted a plan for a district-wide goals and objectives
- Established rationale for plan
- Identified key goals for students

NOTES & DRAFTS

NOTES

New research to explore:

https://www.tandfonline.com/doi/abs/10.1080/02796015.2008.12087905

OLD research-

The relationship between keyboarding skills and self-regulated learning

Keypresses and Mouse Clicks: Analysis of the First National Computer-Based Writing Assessment

Equity of teacher training to bring them up to equal status with Professional Development Equity of reading instruction, "Flesh out what we have now, what it would look like at each level

NOTES 2/23/2021

Similar to the order of operation in mathematics we have an order of implementation for our technology

1/22/2021

Typical Components of a Tech Plan (NCTP)

- Introduction (Equitable access to tech)
- · Goals and objectives
 - Foundational Applications CORE 4
 - Google Enterprise
 - Google Suite products

 - Classroom / Seesaw
 - Video- Meet / Zoom
 - District subscriptions
 - SAMR/ Google Certification/Training

arning Progression

- Digital Citizenship
 - Common Sense
 - ISTE standards
 - Progression of Skills-Matrix
- Keyboarding
 - · Typing.com Scope & Sequence
- Research- Model School Library Standards
- Foundational Skills- Common Core
- 21st century skills (4cs Plus)
 - Critical thinking, Creativity,*** Collaboration, Communication
 - Literacy: Information, Media, Technology
 - Others: Flexibility, Leadership, Initiative, Productivity, Social skills

rdware

Our Rationale:

Digital learning skills are a must for all students. However, they expand beyond the 4C skills of communication, collaboration, critical thinking, and creativity into skills of leadership, productivity, and transliteracy; (media literacy, technology/digital literacy, and information literacy). Our collective goal to create students capable of being successful in life, requires integrating technology into all aspects of their education. Our intention expands to offer students various equitably distributed experiences during their respective school years, allowing these multiple experiences to build, and for students to show continued proficiency and mastery. With this comes a responsibility to provide services and training to teachers in order for them to support students.

Goal #1

1.1 Engage students in self-paced learning opportunities to explore content in multiple formats.

Students enter our classrooms with varied strengths, cultural experiences, and needs. As such, it is vital that educators plan instruction to include resources and learning tools that increase access for all students. The neuroscientific research that is the foundation of Universal Design for Learning (CAST (2018). Universal Design for Learning Guidelines version 2.2. Retrieved from http://udlquidelines.cast.org/ that inclusive learning environments provide students with access to multiple means of representation of content. Formats of content may include but are not limited to physical text, audio files, video presentations, digital simulations, kinesthetic models, and lab activities. In order to increase access to grade level content, encourage self-efficacy, and allow students to explore content at their own pace, educators encourage the use of accessibility tools such as text to speech, translation, closed captioning,

ve to the next item. If we skip and Item then ath problem.

to do so, K-6, 7-12

of the skills. ack loop

supports are needed to achieve the of all schools for each grade level Consider the ORDER OF OPERATIONS!

m/site/lausdk12internetsafety/

GOALS

Alignment to state & international standards. Supported by educational research.



SELF-EFFICACY &
COLLABORATION FOR
SUCCESS IN THE MODERN
WORLD



INCORPORATE DIGITAL
LEARNING SKILLS WITH
INQUIRY BASED RESEARCH
FOR COLLEGE & CAREER
READINESS



DEVELOP DIGITAL CITIZENS,
EMPOWERED LEARNERS,
COMPUTATIONAL THINKERS TO
PREPARE STUDENTS FOR THE
MODERN WORLD



PROVIDE EQUITABLE
ACCESS TO TECHNOLOGY
(I:I), DISTRICT & LIBRARY
RESOURCES,
APPLICATIONS &
PROGRAMMING

DEVELOPING A SHARED VISION (FALL 2021)

- Continued work by District Librarian, County Consultants and the Director of Educational Technology to revise and expand plan
- Created Digital Learning Grade Level Expectations for each Strand
- Constructed example lessons in Nearpod

Digital Learning Grade Level Expectations

Driven by Standards



Meets all CA adopted CS Standards, each strand of ISTE standards, & aligns with applicable CA standards in Math, ELA, HSS, & MSLS. Interdisciplinary approach maximizes time, increases relevance of academic content for students of today's digitally connected world. Categorized into four strands.

Strand 1: Technology Skills



Students **LEARN to use** computers & applications, building an understanding of hardware, software, & connectivity. Includes common core keyboarding expectations, file management, storage of data. Skills often built while engaging in information literacy tasks.

Strand 2: Digital Citizenship



Students use tech SAFELY while learning, with responsible use of technology & understanding of ethics in using electronic media. Includes digital identity, fact vs. fiction, the impacts of computing in society, & avoiding plagiarism.

Strand 3: Information Literacy



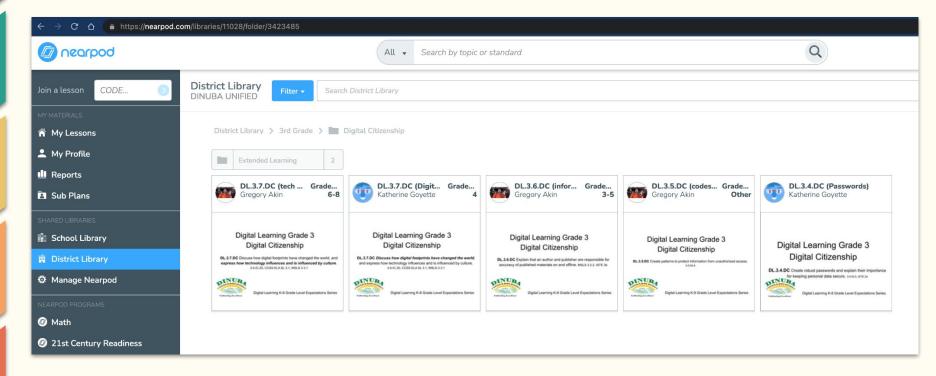
Students use tech FOR LEARNING. leveraging technology for research, critical thinking, problem solving, decision making, communication, collaboration, creativity, innovation. Embedded into multiple content areas via word processing, data analysis with spreadsheets, digital presentation creation, & more.

Strand 4: Computational Thinking



Students SOLVE PROBLEMS with tech, via an understanding of computing systems, networks and the internet, impacts of technology. Includes concepts of algorithms & programming.

NEARPOD LESSONS



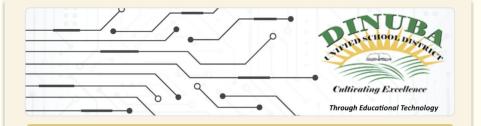
SOLICITING INPUT (WINTER 2021)

- Presented drafts for feedback at Principal Meetings, Academic Coach and Site Technology Specialist Meetings
- Surveyed teacher & parents for feedback



SOLICITING INPUT FROM EDUCATIONAL PARTNERS

А	F	G	Н	I
LOGY SKILL	are, software, and connectivity.			
	4	5	6	7
erations & s/Computing	the re	Edward Warkentin Oct 21, 2021 all group of students could train st of the class in basic eshooting strategies when they	DL.6.1.TS Systematically apply troubleshooting strategies to identify and resolve hardware and software problems in computing systems. 6-8.CS.3, ISTE 1d	Cc
	rades K-2 standards Show m	devices to determine now new appplications work. ISTE 1d	Continuation of 5th grade standard	DL.7.1.TS Desi modifications to devices in order the ways users the devices. 6-8.0 MS.ETS1-1
agement,	DL.4.2.TS Model how info from the internet is broken down into smaller pieces, transmitted as packets through multiple devices over networks and the internet, and reassembled at the destination. 3-5.NI.4, ISTE 1d		DL.6.2.TS Demonstrate the ability to upload, download, and retreive files to and from a cloud based system. ISTE 1d	DL.7.2.TS Mode protocols in trar across networks internet. 6-8.NI.4
& Storage	DL.4.3.TS Retreive previous file	DL.5.3.TS Explain that the		DL.7.3.TS Asso



DUSD Digital Learning Plan and Grade Level Expectations - Parent Feedback

The purpose of this survey is to gather community and parental feedback on the Digital Learning Plan and Grade Level Expectations that are currently being developed to be used for guidance in the 22 - 23 school year and beyond. These working documents have been reviewed by and received feedback from district leadership, principals, curriculum coaches, and selected teachers in the district.

DUSD would appreciate your valued feedback during this process. Thank you in advance for answering the questions below.

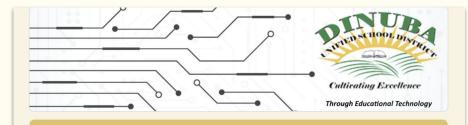
El propósito de esta encuesta es recopilar comentarios de la comunidad y los padres sobre el Plan de aprendizaje digital y las Expectativas de nivel de grado que se están desarrollando actualmente para usarse como guía en el año escolar 22-23 y más allá. Estos documentos de trabajo han sido revisados y recibieron comentarios de los líderes del distrito, directores, entrenadores de currículo y maestros seleccionados en el distrito.

DUSD agradecería sus valiosos comentarios durante este proceso. Gracias de antemano por responder a las siguientes preguntas.



matt.gehrett@dinuba.k12.ca.us (not shared) Switch account





DUSD Digital Learning Plan and Grade Level Expectations - Teacher Feedback

The purpose of this survey is to gather teacher feedback on the Digital Learning Plan and Grade Level Expectations that are currently being developed to be used for guidance in the 22 - 23 school year and beyond. These working documents have been reviewed by and received feedback from district leadership, principals, curriculum coaches, and selected teachers in the district.

DUSD would appreciate your valued feedback during this process. Thank you in advance for answering the questions below.



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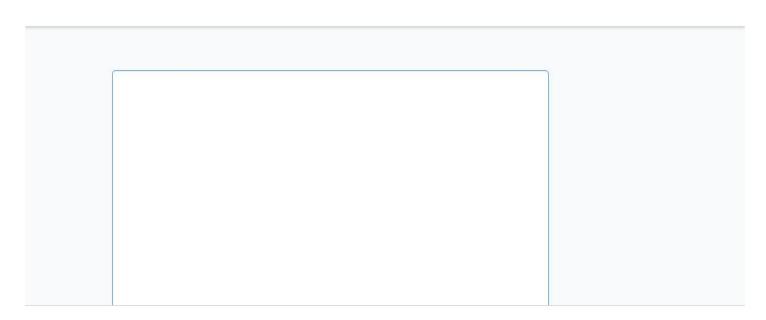
Take a moment to watch the video introduction from Dr. Gehrett



REFLECT



If you surveyed your teachers/parents about digital learning, what would your data look like?



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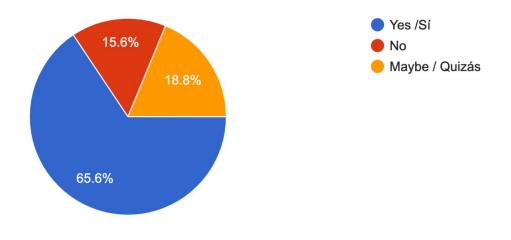
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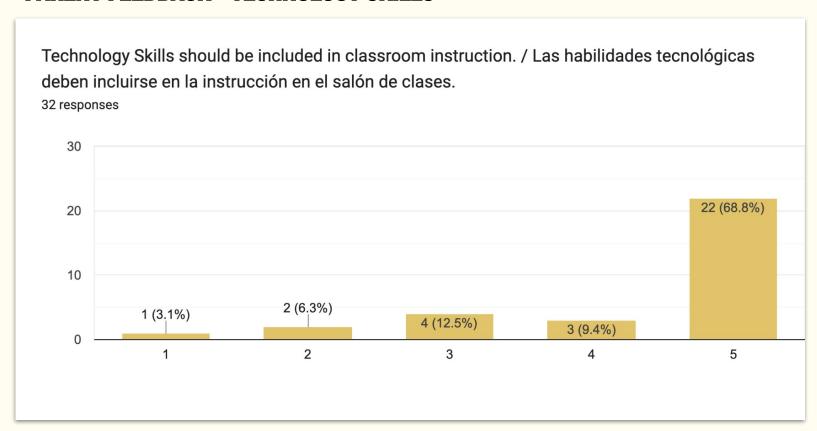
PARENT FEEDBACK - VISION

Do you agree with the vision set forth for digital learning in these documents? / ¿Está de acuerdo con la visión establecida para el aprendizaje digital en estos documentos?

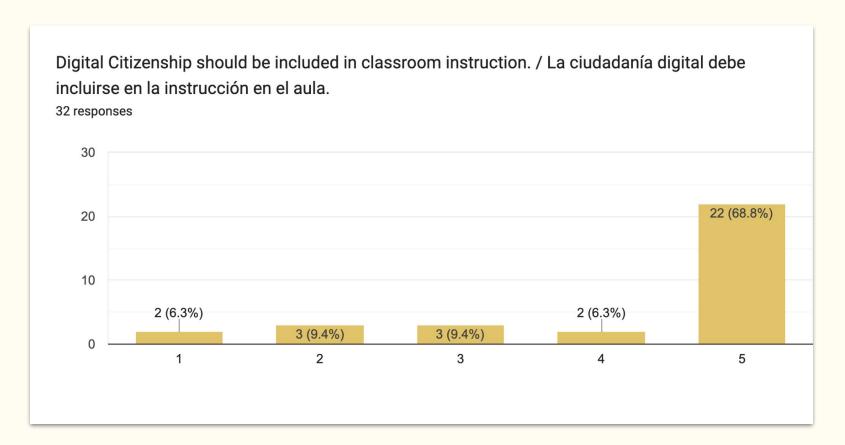
32 responses



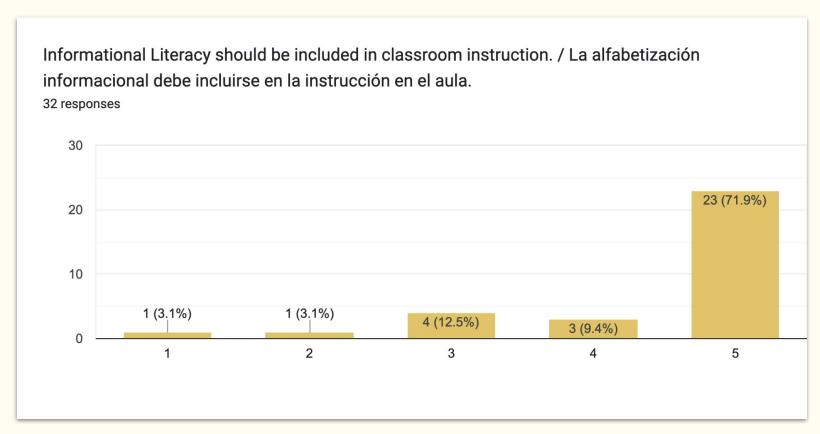
PARENT FEEDBACK - TECHNOLOGY SKILLS



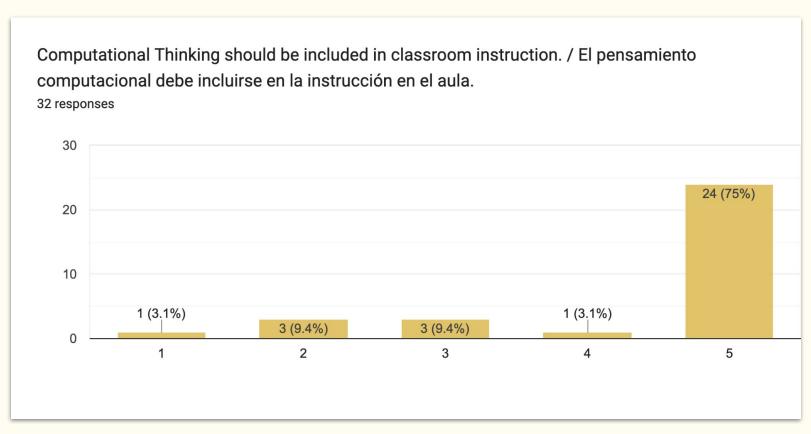
PARENT FEEDBACK - DIGITAL CITIZENSHIP



PARENT FEEDBACK - INFORMATION LITERACY

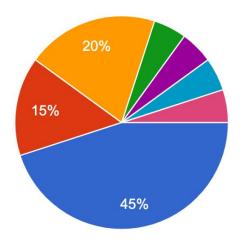


PARENT FEEDBACK - COMPUTATIONAL THINKING



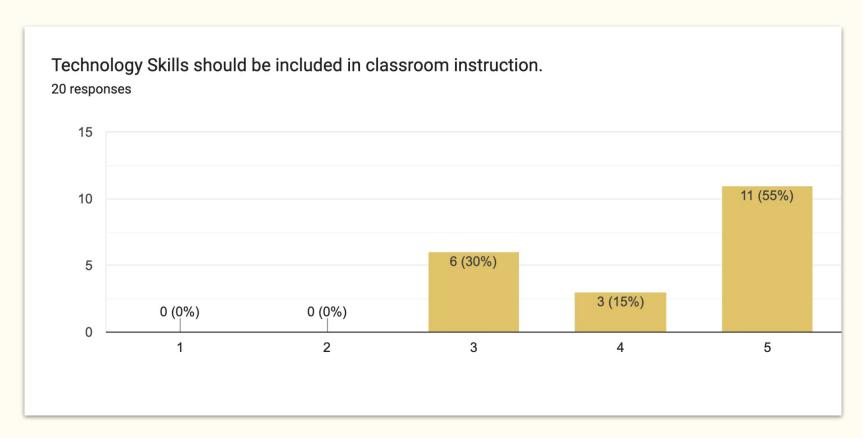
TEACHER FEEDBACK - VISION

Do you agree with the vision set forth for digital learning in these documents? 20 responses

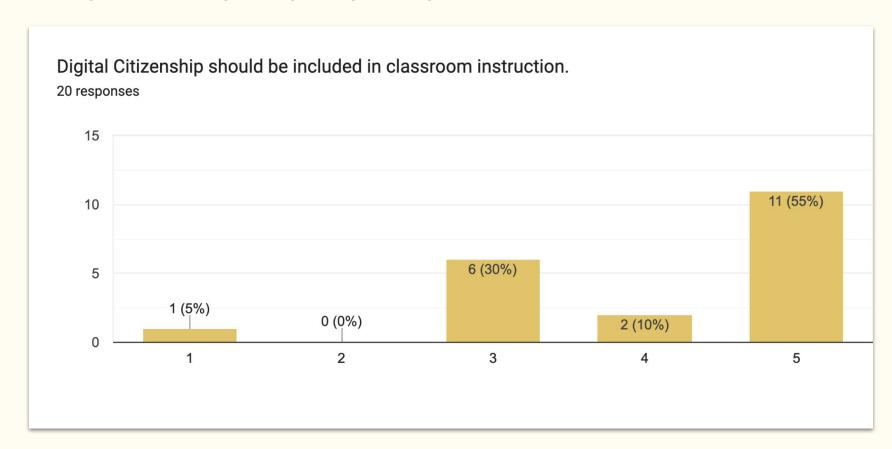


- Yes
- No
- Maybe
- Asynchronous learning was only successful for a small population durin...
- I do agree however some of the goals listed for CT I feel students might stru...
- Teacher input seems to be limited. The documents don't seem to address tea...
- I appreciate that the district is taking a...

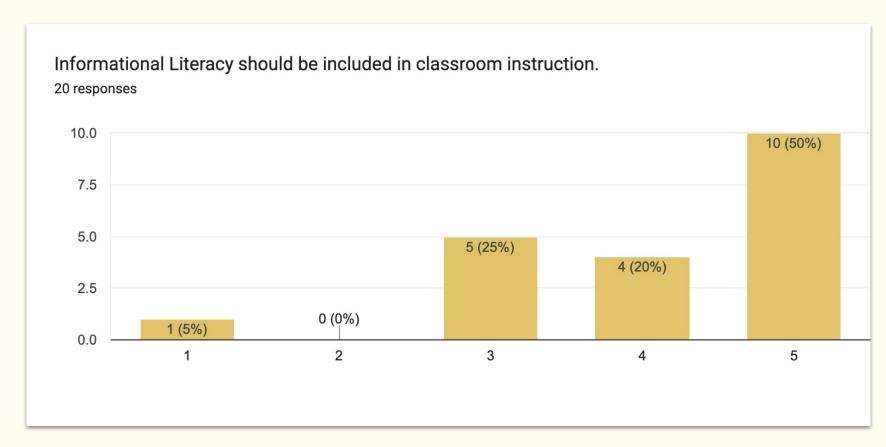
TEACHER FEEDBACK - TECHNOLOGY SKILLS



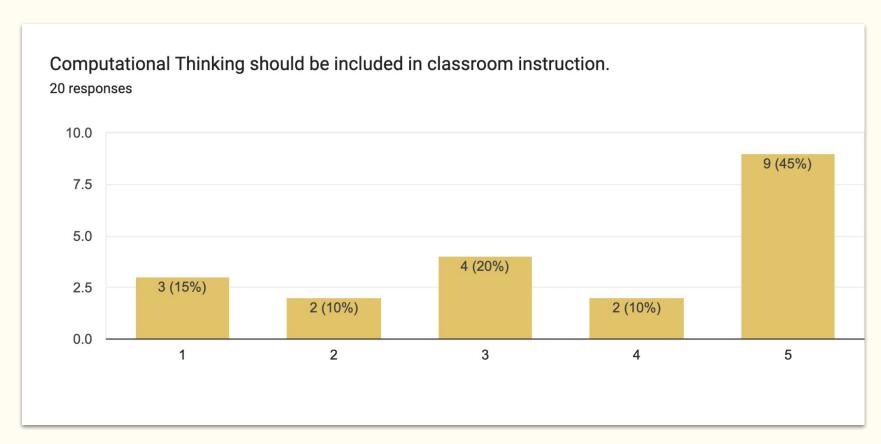
TEACHER FEEDBACK - DIGITAL CITIZENSHIP



TEACHER FEEDBACK - INFORMATION LITERACY



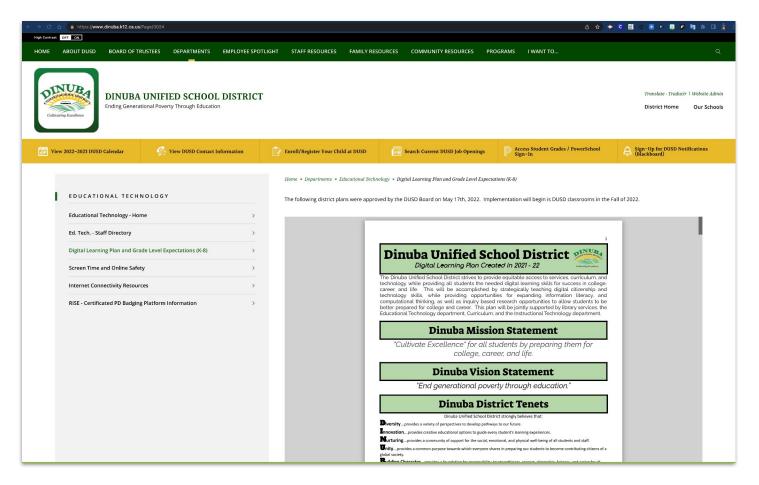
TEACHER FEEDBACK - COMPUTATIONAL THINKING



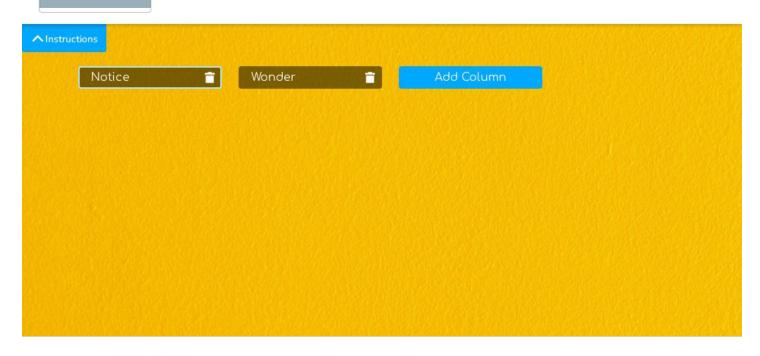
SCHOOL BOARD APPROVAL

May 17th, 2022

The Finished Plan on the DUSD website







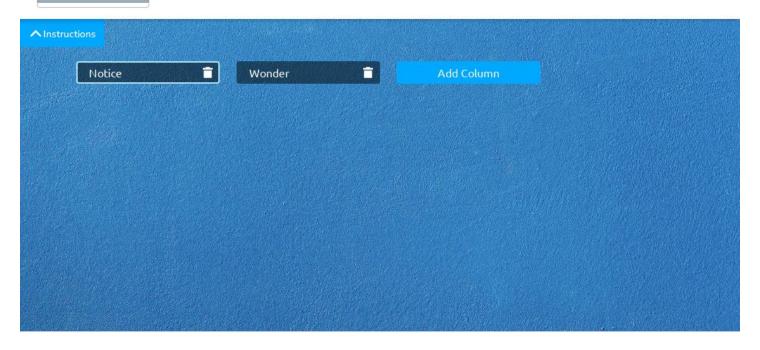
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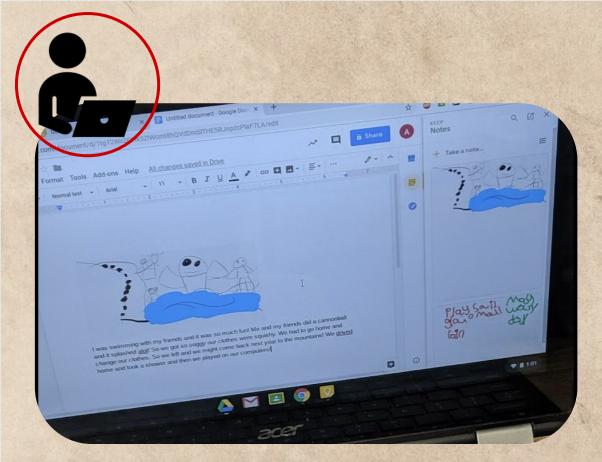
BUILDING OWNERSHIP (SPRING/SUMMER 2022)

- Pilot lessons with willing teachers
- Summer Institute with Site Technology
 Specialists, Academic Coaches, & County
 Consultants:
 - Built Nearpod Lessons
 - Built Badges to support Grade Level Expectations



DL.K.2.TS Turn on/off a computing device, select and operate apps. K-2.CS.1, ISTE 1d





DL.2.5.TS

Generate writing using a keyboard, with correct finger/hand position, typing a minimum of one paragraph in a single sitting. ccss **ELA.W.2.6**



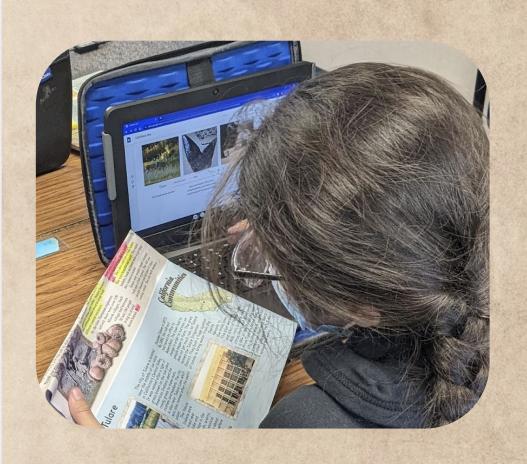
DL.2.8.DC Explain that digital content, particularly on social media, may never be deleted.

ISTE 2a, 2d



DL.1.10.IL Utilize a computing device to communicate learning by adding visuals, text, and verbal explanations. K-2.CS.1, CCSS ELA SL 1.5





maintain a digital portfolio related to learning (i.e. blog, website, etc.) ISTE 6d

DL.6.9.IL Utilize digital tools such as blogs, websites, and social media to crowdsource information and/or build awareness for a cause. MSLS.6.4.2c, ISTE 3d, 7d





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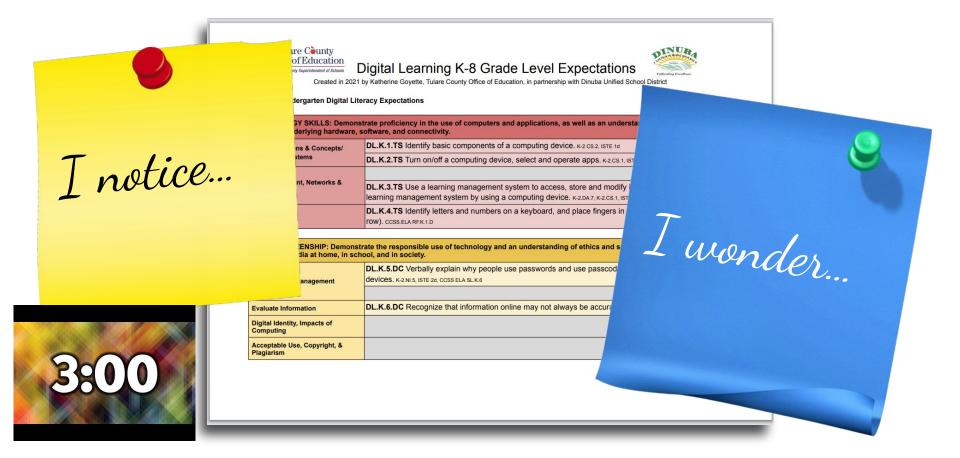
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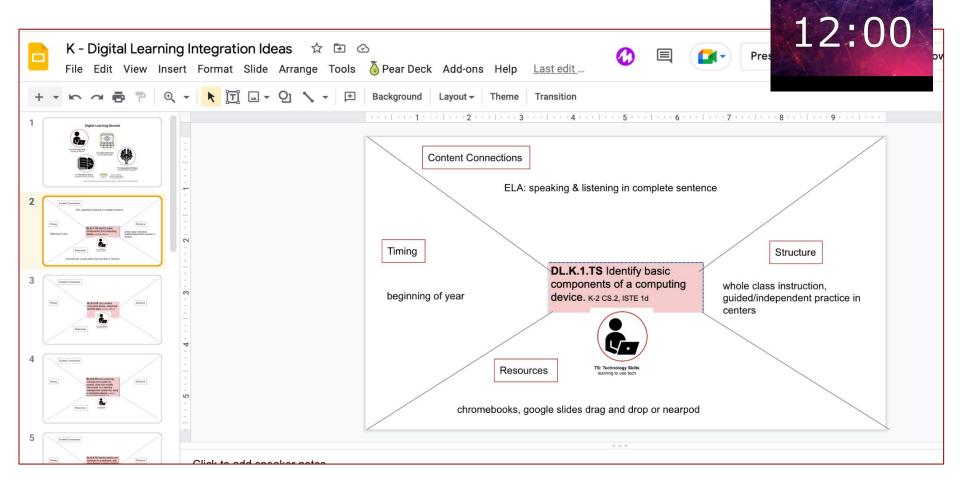
ROLL OUT (FALL 2022)

- Introduction/Implementation PD Session during pre service days
- Provided Resources for Access and Lesson Planning

Explore your grade level digital learning expectations.



Let's Ideate!



CleverDinuba Unified School District

These are your district's default Portal resources

District Resources & Apps

Library Resources-Reading & Research

District Resources & Apps



Clever Academy



Actively Learn





Clever Help



Adobe Express SSO-only





Google Classroom



Beable





Achieve3000



Brainfuse Live Tutoring

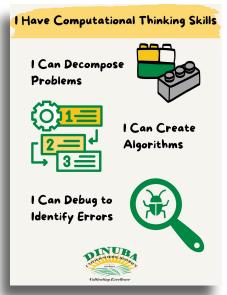


Every class gets a poster!









https://dusd.pub/GLEPoster



New PD Badges to Support the Digital Learning Plan!

http://bit.ly/alludo

- Digital Citizenship
- Information Literacy
- Computational Thinking
- Digital Learning Teacher Tools

Along with full days of coaching for teachers by County Consultants - available throughout the year!



Hello 5th grade team,

It was a pleasure collaborating with you this morning. Here is an overview of what we discussed and the District Digital Learning Standards addretoday.

Minecraft EDU

- Accessing Lesson Kits (Subjects)
 - o 5th grade example for math lessons and standards alignment
- · Student view and navigation through a lesson and the lesson library
- Minecraft Edu Teacher Academy
- · Discussion on how students can collaborate, and problem solve together (students working in the same world trying to solve problems)
- Possibility of having tech buddies push into classrooms (5th grade classrooms) to provide support with navigation Minecraft EDU

We are trying to see how teachers download Minecraft (giving them rights to download)

District Digitial Learning Standards Addressed today for Minecraft EDU:

- DL.5.2.TS Apply prior knowledge of computing devices to determine how new applications work. ISTE 1d
- DL.2.14.CT Develop plans that describe a program's sequence of events, goals, and expected outcomes. κ-2.ΑΡ.14, ISTE 5d

At your convenience, we would love your feedback on an anonymous brief google form. Click here to provide your input.

Please do not hesitate to reach out to me if you have any further questions.

Best Regards,

Jessica V. Peterson

Content Coordinator

Instructional Technology Services

Hi Robert!

Students engaged in a great deal of effective digital learning today. Please see the following highlights from today's classroom coaching sessions. I encourage you to forward this to the teachers as well:)

Digital learning grade level expectations addressed today:

DL.5.9.IL Create and maintain a digital portfolio related to learning (i.e. blog, website, etc.) ISTE 6d DL.5.11.IL Enter/edit data into a spreadsheet/database and create visualizations that highlight and/or propose relationships, predict outcomes, or communicate ideas. 3-5.DA.9, ISTE 5b

DL.3.12.IL Utilize collaborative, digital note-taking tools and/or analog methods to gather and organize information obtained while conducting online research. CCSS ELA W.3.8, ISTE 3a

Students utilized Google Keep for note-taking, utilized Google Sites for digital portfolios, and entered data/created visualizations in Google Sheets.

As always, feel free to contact me for any further support and have a great week!

Katherine Goyette

Digital Learning Coaching Feedback

We look forward to learning how to better serve your needs.



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* Required

Coaching is building my confidence and skills in implementing the district grade * level expectations for digital learning.

Strongly Disagree

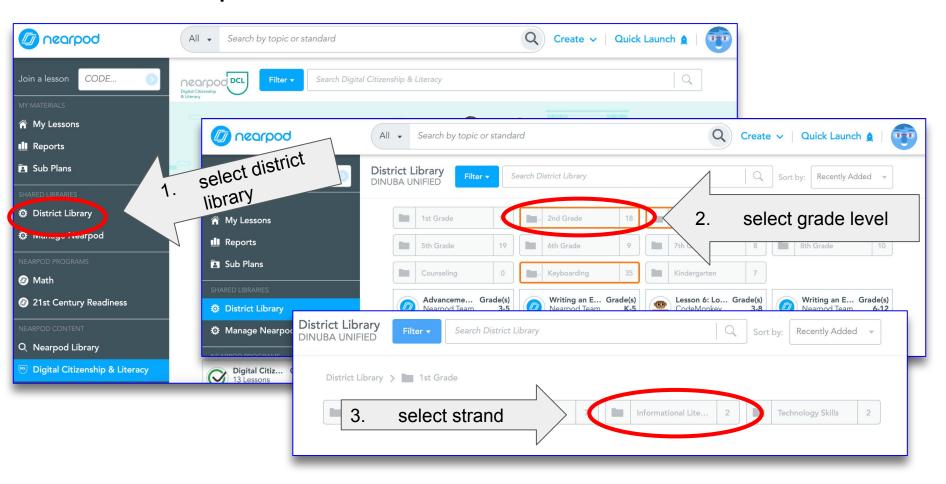
Strongly Agree

Coaching included content and/or processes that I can replicate with my students.

Strongly Disagree

Strongly Agree

District Nearpod Lessons





Computer Science Fundamentals 2023 Workshop

Join our entry level Code.org Computer Science K-5 Fundamentals training for teachers!

Learn how to use FREE Code.org curriculum for your K-5 students in this one-day workshop. Designed to be fun and engaging. Code.org's progression of CS Fundamentals courses will help students learn to collaborate with others, develop problem-solving skills, and persist through difficult tasks. Students will study programming concepts, computational thinking, digital citizenship, and develop interactive games or stories they can share.





New to teaching computer science?

No worries! Most of our teachers have never taught computer science before. Sign up as a teacher to see the lesson plans, join the teacher forums, and get access to all the resources you need. Join other teachers in your area for a hands-on intro to computer science, pedagogy, teacher dashboard, and strategies for teaching "unplugged" classroom activities.

Facilitated by: Ryann Shoaf

CS Fundamentals

- Length: 12+ lessons per course, 6 courses
- Recommended age: Ages 4-11
- · Prerequisites: None
- Supportive course languages: English, Spanish, +24 more
- For more information on the CSF courses
 visit: http://bit.lv/DUSDCSF23

attend CSF (Day 1) and CSF Deeper Dive (Day 2) to earn one unit from Fresno Pacific University

March 20, 2023

location

Washington Intermediate School, PD Room South

1150 North Hayes Avenue Dinuba, CA 93618 8:00 AM – 3:00 PM

Day 2: CSF Deeper Dive

TBD 2023-2024

Location

Fresno County Superintendent of Schools 1111 Van Ness Ave. Fresno, CA 93721 8:00 AM – 3:00 PM

Workshop Information: Ryann Shoaf (559) 497-3716 - rshoaf@fcoe.org

Registration Information: Robert Padilla (559) 497-3711 - rpadilla@fcoe.org







THE SCREENAGERS PROJECT

Get unlimited access to our movies, a new curriculum & lesson plans, exclusive content and more with our brand new platform designed for schools.



Our Digital Citizenship Events & Programs Keep Students Safe So They Can Shine Online

Matt, you're logged in! Enjoy your resources and videos

View Resources Here

You get access to leading video trainings to keep students safe, positive, and productive online.





Help students take ownership of their digital lives.



All students need digital citizenship skills to participate fully in their communities and make smart choices online and in life. Our awardwinning K-12 Digital Citizenship Curriculum:

- ✓ Addresses top concerns for schools.
- ✓ Prepares students with critical 21st-century skills.
- ✓ Supports educators with training and recognition.
- Engages the whole community through family outreach.

CHECKING FOR UNDERSTANDING (SPRING 2023)

- County Consultant Feedback
- Informal visits to classrooms in Fall of 2022 Notes Collected
- Formal visits to classrooms in Spring of 2023 Data Collected in Google Form

INFORMAL NOTES

GV Notes

Reflex Math

Screen time Essay

No evidence of Chromebook use in 1st grade. All in cart Independent work, Accelerated Reader for 2nd grade

Kids navigating Chromebook's but also not on task at times.

Document cameras and screens used effectively.

DLP Posters

Use of google classroom

Writing assignments with pictures

Wilson notes

No chargers going home. Charging in carts

Cases used only when going home

Sell discarded Chromebook's to families?

Student using document camera

Nitro type.com

Khan Academy

Blook it

Amplification

Error analysis on DNA

Project/Tech on Fridays - robotics?

Class Dojo

Writing assignment w/ illustration





DUSD Digital Learning Plan Walkthrough

The purpose of this form is to collect data on the current state of implementation of the DUSD Grade Level Expectations in K-8 classroom. To review the grade level expectations, click on this link.



Saving disabled

* Required

Date of Walkthrough *

Date

mm/dd/yyyy

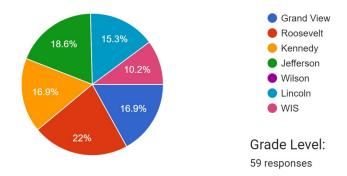
Observer: *

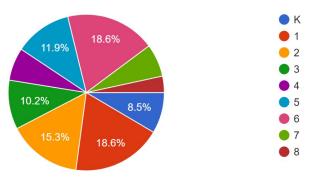
Your answer

DIGITAL LEARNING WALKTHROUGH DATA

School:

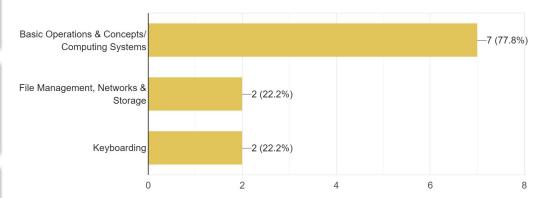
59 responses





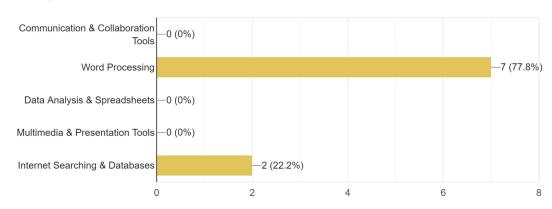
Tech Skills (Observed)

9 responses



Information Literacy (Observed)

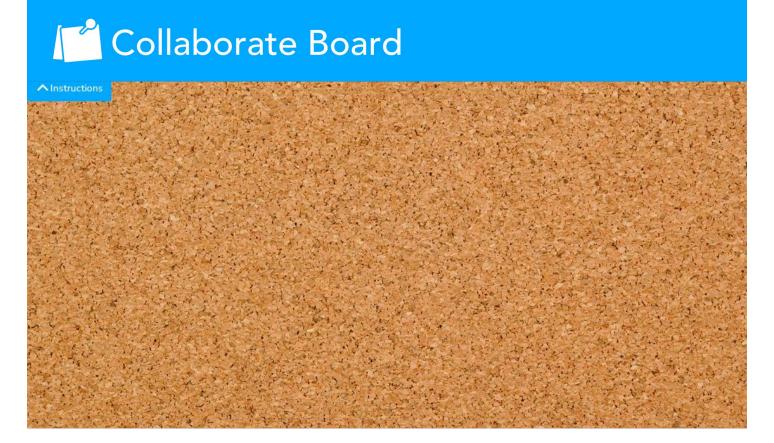
9 responses



PLANS FOR NEXT YEAR

- Collaborative Learning Opportunities w/ Academic Coaches
- Continued partnerships with County Consultants for teacher support
- Continued presentations at Leadership Meetings

- Continued growth of our Shining Stars (Elementary Schools)
- Continued badging opportunities
- Al support for teachers will allow more access to the staff at the secondary schools
- Increased the amount of classroom walkthroughs



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The **Dinuba Unified School District** has created a **Digital Learning Plan** for the 2021-22 academic year to provide all students with equitable access to services, curriculum, and technology. The plan focuses on teaching digital citizenship, technology skills, information literacy, computational thinking, and inquiry-based research opportunities. The plan is supported by library services, the Educational Technology department, Curriculum, and the Information Technology department. The District has a mission to "Cultivate Excellence" for all students and a vision to "End generational poverty through education."

The District strongly believes in diversity, innovation, nurturing, unity, building character, and accountability. The District has four district-wide goals, which include engaging learners toward self-efficacy and collaboration, incorporating digital learning skills with inquiry-based research, developing digital citizens and computational thinkers, and providing equitable access to technology and resources. The plan includes various objectives to achieve these goals, such as providing self-paced learning opportunities, facilitating synchronous and asynchronous collaboration opportunities, and ensuring equitable access to district and library resources.

Summary according to ChatGTP!