

Technology Plan Annual Update

December 11, 2019

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CORE VALUES

SERVICE



We serve our students,
families, and communities.

EXCELLENCE



We strive for excellence
in all that we do.

EQUITY



We remove barriers and pursue outcomes that
enable all students to realize their potential and
maximize their future opportunities.

2019-2020 STRATEGIC FRAMEWORK

Family & Community Engagement

- Expand quality early learning opportunities for pre-school aged students.
- Engage families and our communities to increase regular on-time attendance.

Excellence in Learning & Teaching

- Implement differentiation and inclusive teaching practices to promote equitable learning opportunities for all students.
- Ensure students identify a post-secondary pathway and support them in creating a plan to achieve their goals.

Removing Barriers & Supporting Students

- Support students in developing the social-emotional skills necessary to increase meaningful learning and engagement in the school community.
- Provide safe, welcoming schools for all students, families, staff, and community.

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Vision for Digital Learning

Using technology intentionally and innovatively leads to greater equity and achievement for all students by:

- increasing rigorous learning opportunities
- enhancing authentic learning environments
- providing differentiated and personalized learning
- supporting collaboration, productivity, and creativity
- providing opportunities to develop and demonstrate critical thinking skills

In order to support our mission to have each student graduate with options and prepared to participate fully in our democracy.



Technology Levy Budget (in millions)

Year	Collections	Resources	Expenditures
2015-16	\$8.1	\$9.7	\$5.6
2016-17	\$8.1	\$15.1	\$12.2
2017-18	\$8.5	\$13.8	\$12.5
2018-19	\$8.8	\$11.9	\$9.6
2019-20	\$9.8	\$12.0	<i>\$11.0</i>



Technology Plan: 2019-20 Priorities

- Support digital learning in all schools (1:1 in all secondary)
- Begin phase 1 (of 2) of classroom display installation
- Provide increased WiFi capabilities (including home access)
- Improve user experience and integration (with account automation, RSD Login Portal, etc.)
- Increase community outreach and engagement
- Review and evaluate 2019-20 and 2020-21 plans, revise as needed
- Continue to review and evaluate technology



Classroom display installation:

- **DEVICE:** [Promethean](#)
 - Touch interactivity
 - Digital whiteboard
 - Annotation
 - Ability to connect any device
 - Anti-glare
- **MOUNTING:** Center-mount installation
 - Exception: music classrooms or less traditional spaces
- **SIZE:** 75" panel
 - Exception: larger classrooms (i.e. CTE labs) or music classrooms

Phase 1: 2019-20 School Year

- Bryn Mawr ES
- Campbell Hill ES
- Cascade ES
- Dimmitt MS
- Highlands ES
- Lakeridge ES
- Lindbergh HS
- Maplewood Heights ES
- McKnight MS
- Nelsen MS
- Renton HS
- Sierra Heights ES
- Talbot Hill ES
- Tiffany Park ES

Phase 2: 2020-21 School Year

- Benson Hill ES
- Hazelwood ES
- Hazen HS
- Honey Dew ES
- Kennydale ES
- Meadow Crest ELC
- Renton Academy
- Renton Park ES
- Risdon MS
- Sartori ES
- Talley HS



Technology Plan: 2020-21 Priorities

- Complete phase 2 of classroom display installation
- Annual modernization of computers
 - 4,000 in 5th year of service
 - 160 lab computers
- Implement appropriate network redundancy and improve cybersecurity across the district
- Continue digital learning support model for all schools
- Review and evaluate 2020-21 implementation, revise 2021-22 plans



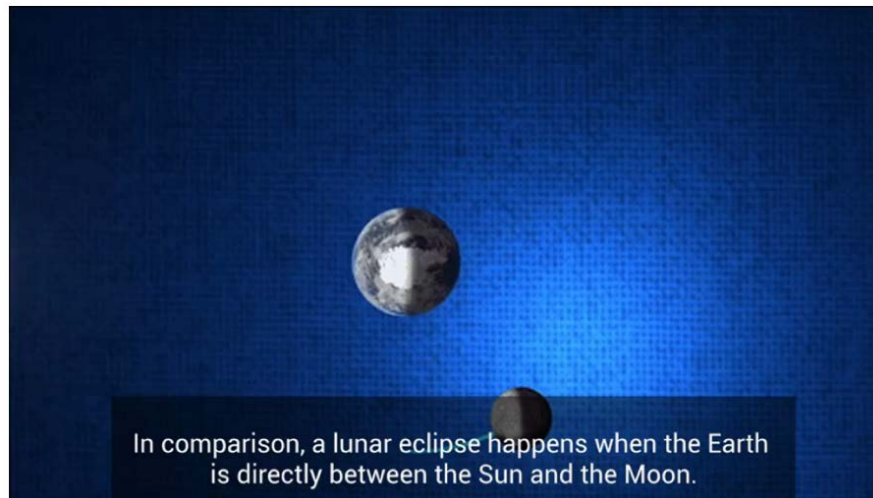
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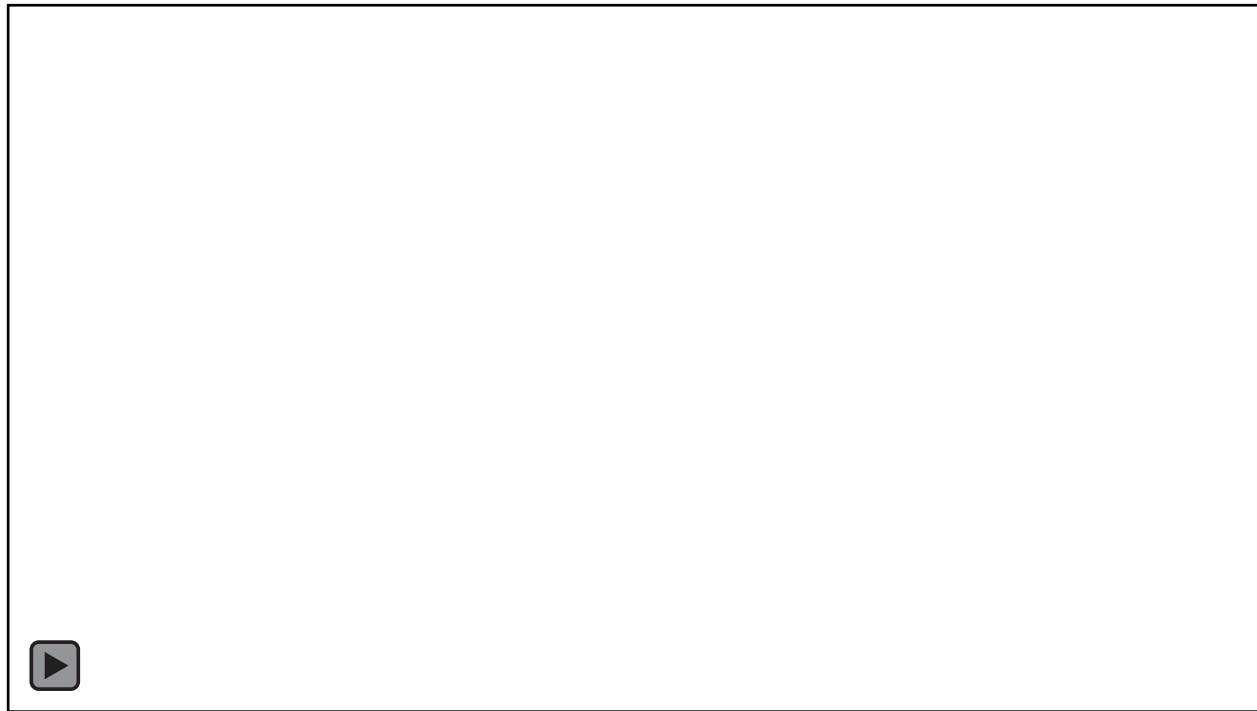
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Enacting the Vision: Creative Communicator

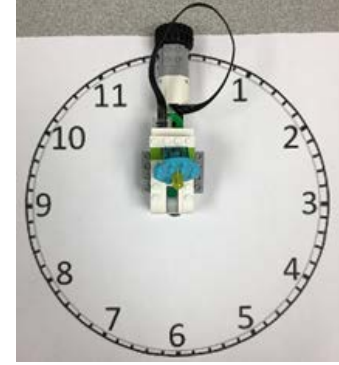


Enacting the Vision: Creative Communicator



Elementary Computer Science

- Piloting a coherent, standards-aligned learning pathway that applies computational thinking, programming, and physical computing to solve problems and create solutions
- Grades K, 2, and 4 at three schools (one per hill)
- Approximately 10 - 15, 45-min lessons per grade

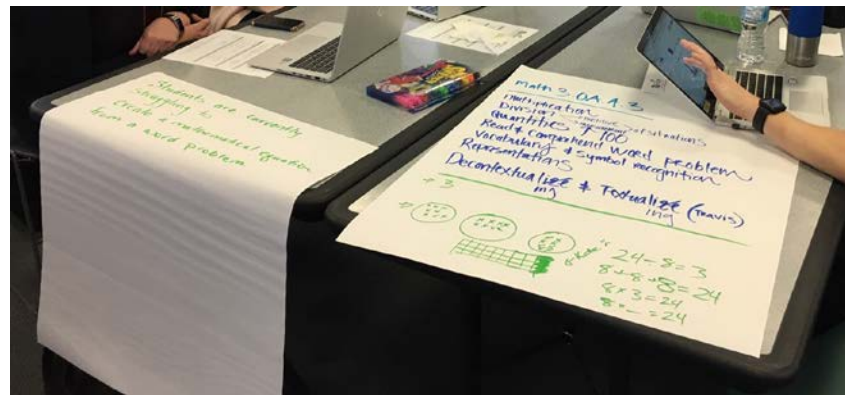
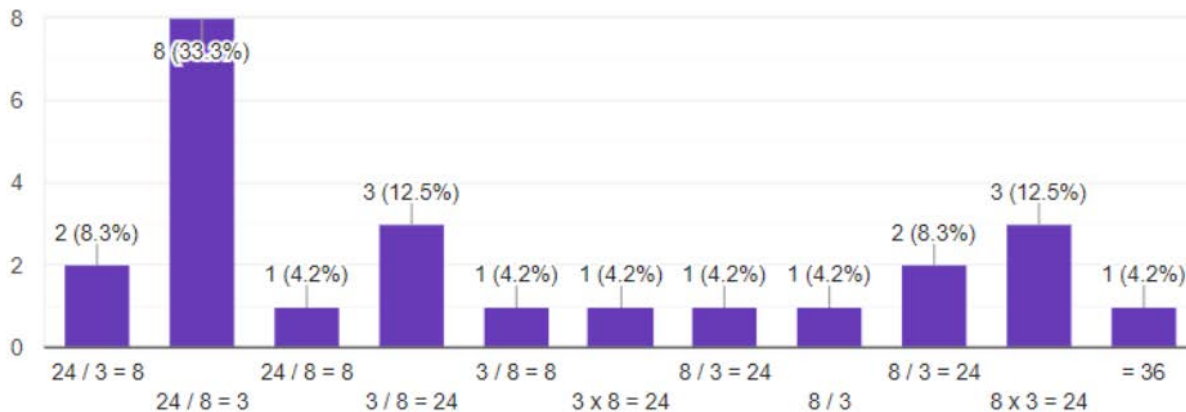


Formative Assessment

- Supporting school leaders and PLC's to use digital tools to collect evidence of student learning, identify misconceptions, and plan next steps

Write an equation to match this problem

24 responses

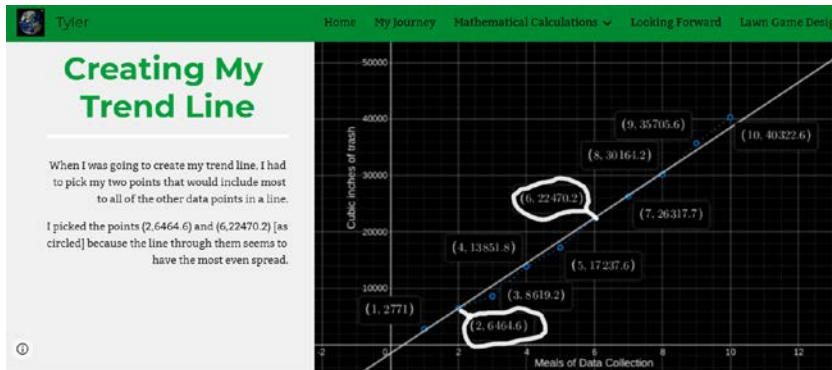


Project Based Learning (7th grade example)



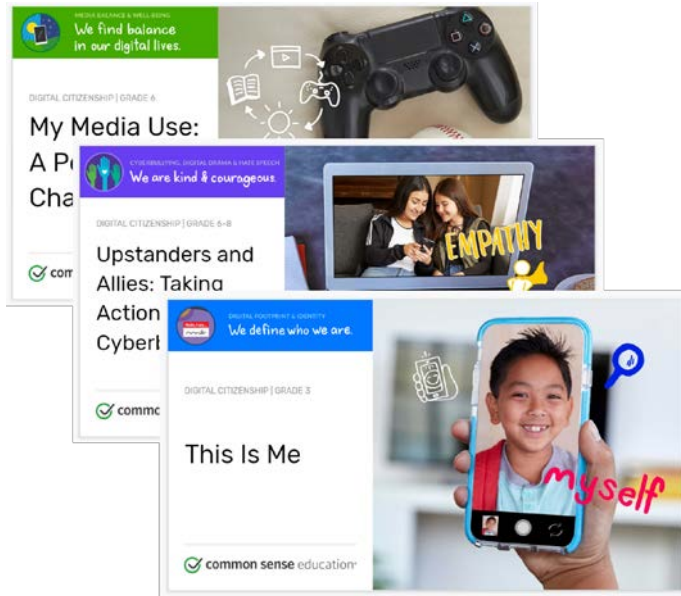
How might someone make a positive environmental impact?

Students presented websites of their findings to a panel of experts. The panel determined which students would share their ideas with the Renton City Council.



Digital Citizenship and Media Literacy

- Collaboratively identified units:
 - 2019-20: Implementation of 3rd - 8th grade units
 - 2020-21: Add K - 2 and 9 - 12
- Homeroom Lessons for 1:1 schools
- SEL support of healthy social media development
- GoGuardian as self-harm monitor
- Internet safety supports for families



Increased access and opportunities

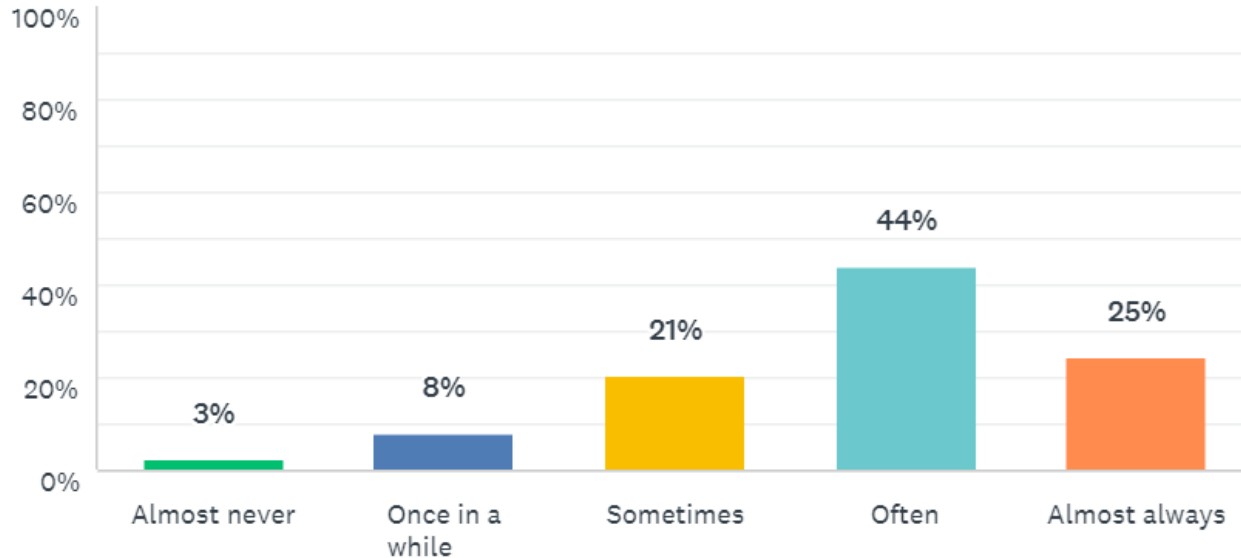
- FAFSA application made easier
- Home WiFi access to extend learning
- “Blended” professional learning on engineering design



Student Feedback

How often does using your device (Chromebook) help you learn?

Answered: 3,528 Skipped: 13



Student Feedback

- It helps me come up with more ideas than working on paper because I have more options instead of just writing on plain paper, like podcasts. - *Dimmitt student*
- I think the Chromebooks are very useful and I am glad that we have them this year. They help everyone be able to do their assignments, projects, and research all at their own pace, and establish a source people can use at their homes if they do not already own a computer. - *Hazen student*
- Sometimes we get to choose whether we watch a video, read, or play a game to learn. Whatever will help you learn the most (: There are different options that you can choose from to help you learn to the best of your ability. - *Risdon student*
- I have been able to write and to allow other people to read my work. I have also been able to look at colleges and work on a resume for my future. - *Renton student*
- I'd like to say thank you to the Renton School District for providing these resources to students like me :) - *Lindbergh student*



Questions

