

Technology Plan Annual Update

December 12th, 2018

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Tech Plan Annual Update

- Mission and vision
- Annual priorities
- Student learning

MISSION

Each student graduating with options and prepared to participate fully in our democracy.

CORE VALUES

SERVICE



★ We serve our students, staff, 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.

2018-2019 Strategic Framework

Family & Community Engagement

- ★ Increase two-way communication and collaborative partnerships with families and community members to increase academic and social-emotional growth for students.
- Develop stronger relationships with families and communities to increase regular, on-time attendance.

Excellence in Learning & Teaching

- ★ Engage teachers and administrators in professional learning to support effective instructional practices.
- Deepen our knowledge of the Next Generation Science Standards (NGSS) to implement effective instruction and support student learning.

Removing Barriers & Supporting Students

- Support students in developing the social-emotional skills necessary to increase meaningful learning and engagement in the school community.
- Improve student learning outcomes in the areas of our district that are historically underperforming.
- ★ Foster safe, welcoming schools for all students, families, staff, and community.



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

This ensures high quality instruction and learning for every child, every day in every environment and advances our goals of achievement, college and career readiness, and equity and access.



Technology Levy Budget

Year	Collections	Budget	Expenditures
2014-15	\$8,034,638	\$8,998,000	\$5,862,713
2015-16	\$8,094,704	\$9,701,463	\$5,573,090
2016-17	\$8,060,000	\$15,087,800	\$12,184,043
2017-18	\$8,475,000	\$13,796,700	\$11,289,962
2018-19	\$8,770,620	\$9,706,212	



Technology Plan: 2018-19 Priorities

- Support 1:1 model at all middle schools
- Pilot 1:1 with take-home at one high school (Renton HS)
- Provide iPads for K-1 classrooms
- Continue *pilot of classroom display project (flat panels)*
- Increase WiFi capabilities (including home access*)
- Improve user experience and integration (with account automation, RSD Login Portal, etc.)
- Continue to review and evaluate technology
- Review and evaluate 2018-19 and 2019-20 plans, revise as needed



2018-19 Priorities

- Classroom Learning
 - Hardware
 - Security/Reliability
 - Connection with Community
 - Processes



Classroom Learning

- Supporting intentional and innovative use of technology for learning
- Elementary computer science and engineering/NGSS
- Deepening connections between Digital Learning and Curriculum, Instruction and Assessment
- Providing professional learning experiences (PLEs)



Hardware

- Chromebooks for 1:1 schools, replacements for aging laptops in schools
- iPads in all K-1 classrooms
- Computer Access Program (refurbished inventory)
- Classroom display pilot (at DMS, HDE, LRE, SHE)
- Updating music classroom equipment
- Wireless streaming device pilot
- Modernizing learning spaces at central office



Security/Reliability

- WiFi
 - More Access Points (APs) in all schools
 - Home access options
- Network Diversity
- Cybersecurity



Connection with Community

- Engagement with families (through events at school, publications)
- Input from stakeholders through Renton Technology Coordinating Council
- Survey and focus groups with students and in pilots



Processes

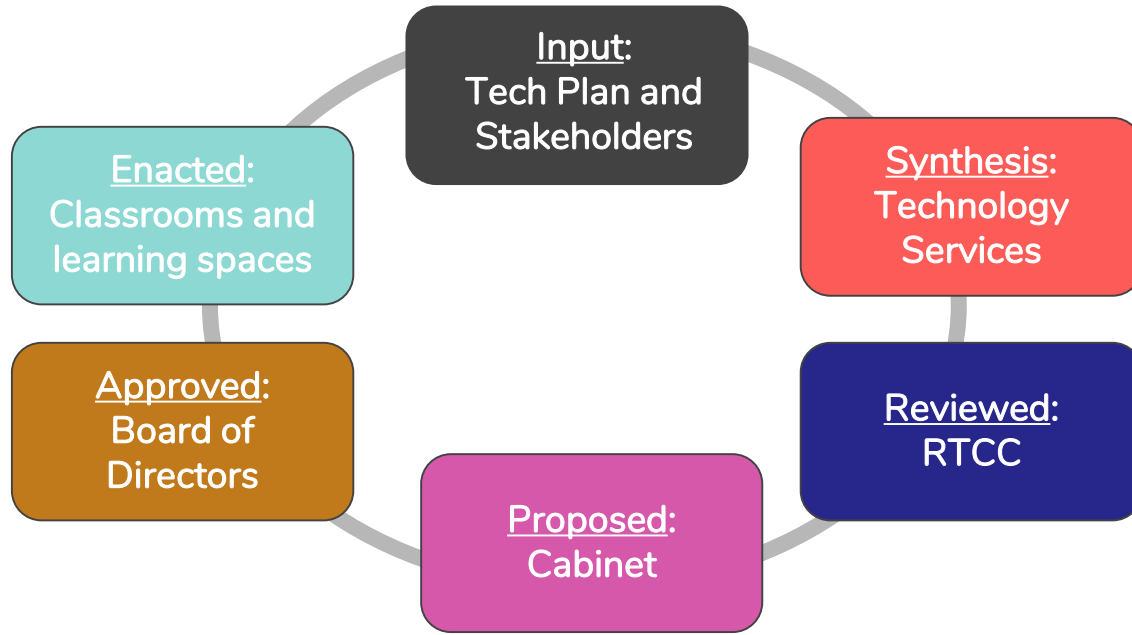
- Account Automation
- Technology Device Purchasing
- Digital Tools Approval Process
- HR projects



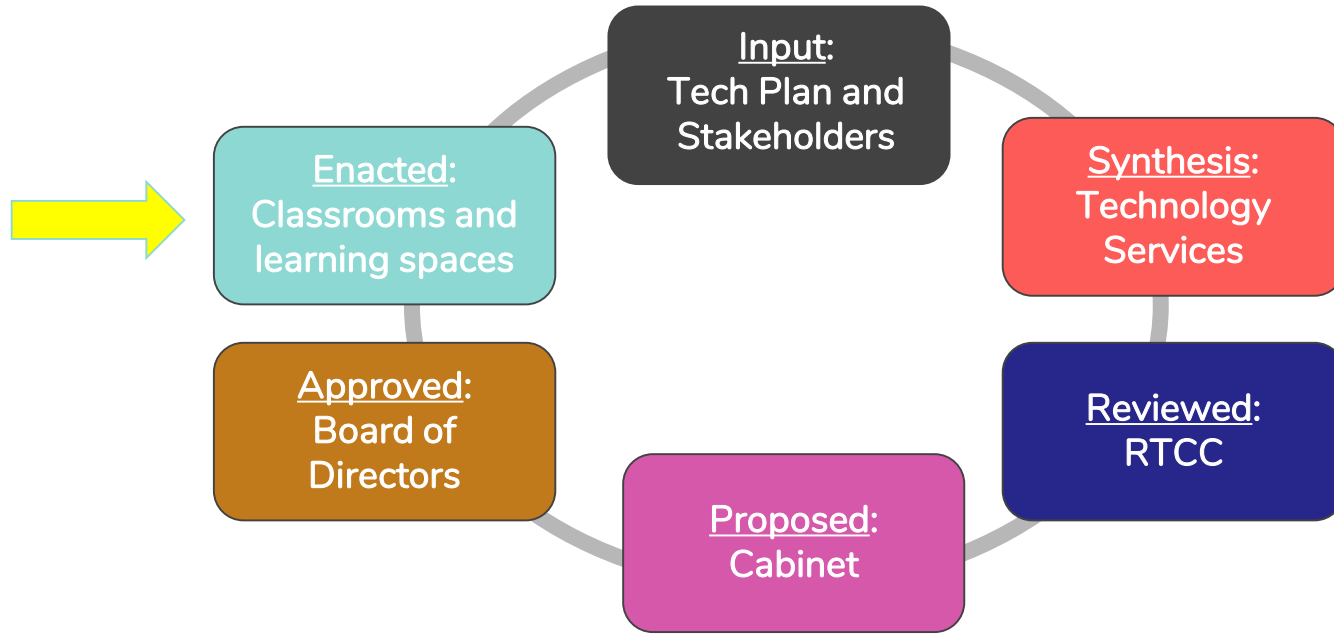
Technology Plan: 2019-20 Priorities

- Continue to increase the number of devices for student use across the district
 - 1:1 in remaining high schools
 - Support ratio in elementary schools (approximately 2:1 overall, 4:1 in K-1, close to 1:1 in intermediate)
- Implement appropriate network redundancy phase across the district
- Continue instructional/technology support model for all schools
- Review and evaluate 2019-20 implementation, revise 2021 plans

Improvement Cycle



Improvement Cycle





Digital Learning Vision

Using technology intentionally and innovatively will lead to greater equity and achievement for all students by...

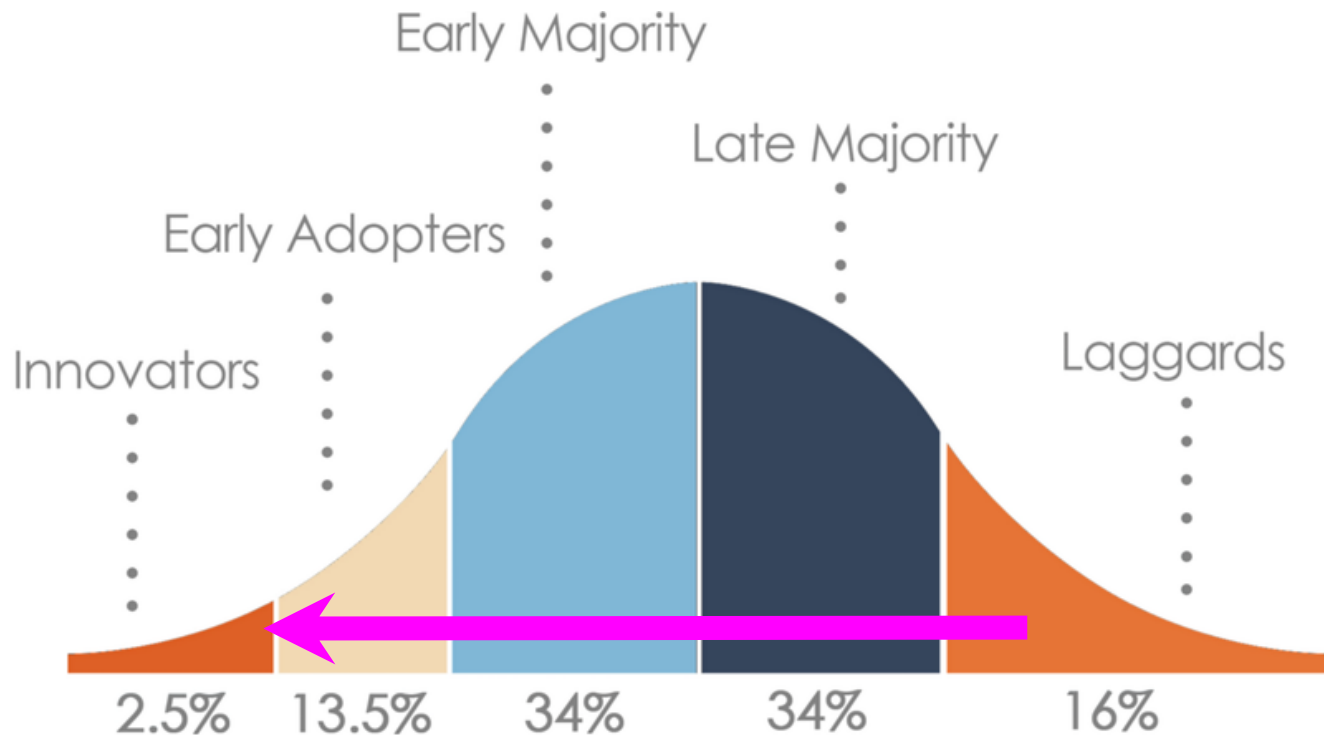
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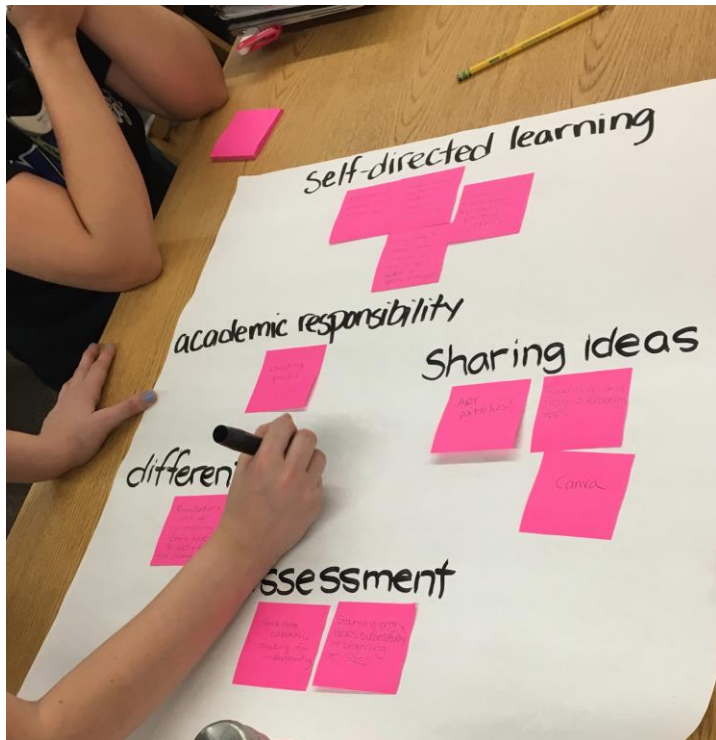
Digital Learning

Grade Level Standards & Curriculum

Technology Integration Specialists (TIS)



Teacher Perspectives: current successes and possibilities of take-home



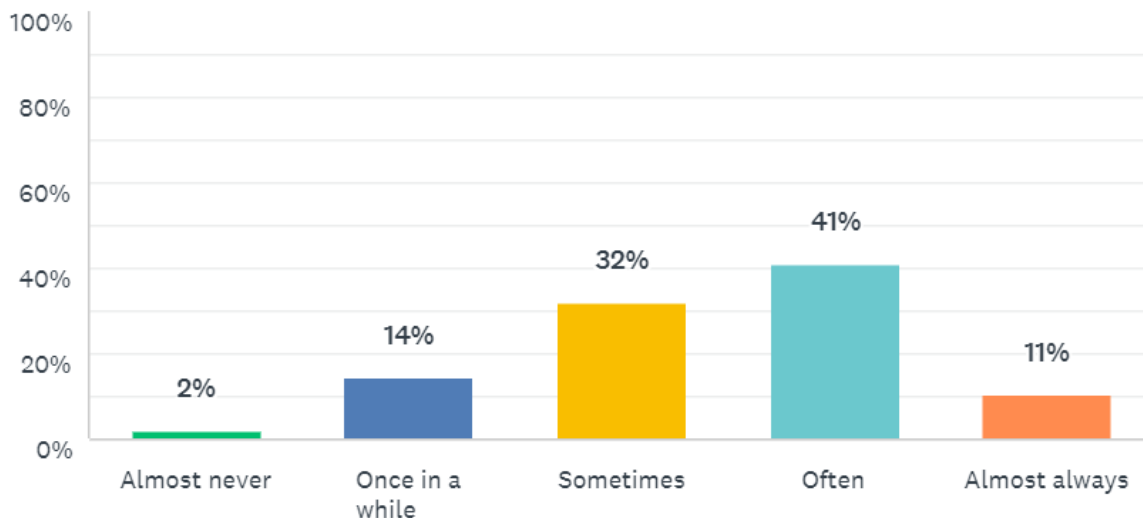
"I'm excited by the idea of students be able to **access materials at home and give further effort on projects**. I am also excited by students being able to **engage in passion projects** around social studies topics that we will not cover this year, but that I can celebrate in class."
(Teacher at Risdon Middle School)

"My students are speakers of other languages. By taking Chromebooks home they will have **more opportunities to engage with the English language** through online learning platforms and books at their levels."
(Teacher at Nelsen Middle School)

Student Perspectives

How often do you use your device (Chromebook) in your classes?

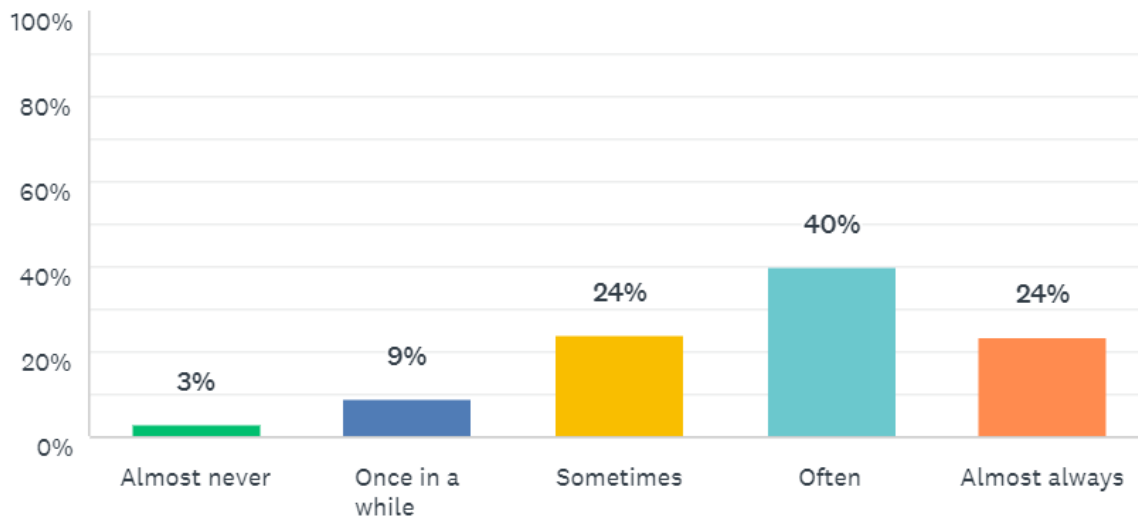
Answered: 2,163 Skipped: 9



Student Perspectives

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

Answered: 2,162 Skipped: 10





Student Perspectives

- “I am much better at typing than I am at writing, and **the Chromebook has encouraged me to type up long paragraphs** instead of writing as little as possible (It makes my hands hurt if I write for too long).” (6th grader at Risdon)
- “**I get to write down all my thinking down on the chromebook without being judged** at and like if I have a thought I can write it down right away without some teacher telling me to hold my thought.” (8th grader at Nelsen)
- “I’ve noticed a **huge improvement in my grades** since it is easier to maintain what I am working on and know what I need to get done.” (10th grader at Renton High)



Questions

