

Deployment Narrative and 3 yr projections:

The narratives are designed to accompany the schematic representations that are included. Though all of the charts look similar, the details are different. They all begin with the 2017-2018 current deployment and then progress one year at a time. Subsequent pages show future deployments out through the 2020-2021 school year.

The narratives for subsequent models use Model 1 as their base. The Plus/Delta charts on subsequent models only reflect the differences from Model 1.

Model 1: 7th & 2nd grade iPads and Staff Refresh of MacBook Airls:

- 7th grade iPad pilot in lieu of 6th grade MacBook Air refresh.
- Staff refresh: replace 5 year old mechanical drive, 13” MacBooks 4GB with 13” MacBook Air with solid state drive 8GB
- 2nd grade iPad (new)

2018-2019

Device	Projected Cost of Refresh	Actual Cost	Difference
iPad- 7th (90)	\$100,000	\$38,395	\$61,606
iPad- 2nd (85)	\$0	\$27,540	(\$27,540)
Total (175)	\$100,000	\$65,935	\$34,066

Device	Projected Cost of Refresh	Actual Cost	Difference
MacBook Air- Staff (96)	\$100,000	\$99,072	\$928

Total Budgeted 18-19: \$200,000

Total cost of Refresh 18-19: \$165,007

Total Under Budget: \$34,993

2019-2020

Device	Projected Cost of Refresh	Actual Cost	Difference
iPad- 7th (84)	\$100,000	~\$40,000	\$60,000
iPad- 6th (87)	\$0	~\$40,000	(\$40,000)
Total (171)	\$100,000	~\$80,000	~\$20,000

Total Projected 19-20: \$100,00**Total cost of Refresh 19-20: ~\$80,000****Total Under Projection: ~\$20,000****2020-2021**

Device	Projected Cost of Refresh	Actual Cost	Difference
iPad- 5th (69)	\$100,000	~\$40,000	\$60,000
iPad- 6th (88)	\$0	~\$40,000	(\$40,000)
Total (157)	\$100,000	~\$80,000	~\$20,000

Total Projected 20-21: \$100,00**Total cost of Refresh 20-21: ~\$80,000****Total Under Projection: ~\$20,000**

7th Grade iPad Pilot	
Plus	Delta
Significantly less expensive	Need a cart of laptops for science
Students and staff comfortable in Apple environment	Change of device
Less bulky and cumbersome for students	
Device longevity	

7th Grade iPad Pilot continued...	
Plus	Delta
If successful, continued refresh with iPads over 3 years, ~\$75,000 below projections.	
If successful, over 3 yrs: D37 1:1 iPads at 2, 3, 5, 6, 7, 8.	

Staff MacBook Air Refresh	
Plus	Delta
13" screen is same as current computer	Only \$928 under budget
8GB RAM (current machines have 4GB) Can handle multiple functions and web pages simultaneously	
Will be able to handle upgrades in Apple operating system	
Will not need to refresh staff machines for at least 5 years.	
Allows for graduating 8th grade student machines to be distributed for 3 laptop carts, and an additional 17 machines for move ins, substitute teachers and loaners	
Less bulky and cumbersome	
Solid state drives	
No learning curve	
Connotes to staff that the work they do outside of their classrooms and in nontraditional locations is valued and appreciated	
\$928 under budget	

2nd Grade iPad Purchase	
Plus	Delta
Students and teachers will be able to use iPads for whole group activity (previously only 5 students could do activity at a time)	Was not in the refresh projections
Will facilitate privacy for students' personal learning (differentiation) academically, behaviorally and social/emotionally	
Real time, self adjusting tools for reading, mathematics and assessment	
Apple Classroom application for managing classroom activities of ALL students simultaneously	
2nd grade teachers' knowledge of and previous experience using iPads in a limited capacity will assure the tools are used deliberately and purposefully	
Multiple 2nd grade standards refer to the use of technology, digital sources and digital tools	
Aligns with the District's Technology Innovation Plan	

Model 1 - Device Deployment

7th & 2nd iPads - Teacher Refresh MacBook Airs - Original

17-18 School Year



18-19 School Year



Cost - \$99,072

Cost - \$27.540

Cost - \$38.395

557 Deployed Devices
(grades 3,4,5,6,8, teachers & carts/lab)
17 Unassigned 4 yr old district-wide*
15 Unassigned 5-7 yr old district-wide*
***Move-ins, sub, loaner pool**

- 94 Unassigned from 8th grade
 - 1 cart of 25 to Science and Allied Arts at Marie Murphy
 - 1 cart of 25 to 2nd floor Allied Arts at Marie Murphy
 - 1 set of 25 to AW Technology Spaces
 - 1 computer for Superintendent's Office
 - 1 computer for Board of Education
 - 17 remaining unassigned computers for sub and loaner pool
- 15 unassigned computers (5-7 years old) from AW for sub and loaner pool

Total Cost of Refresh 18-19 \$165,007

* This assumes all numbers stay the same. Last year we had 36 move-ins in the 1:1 grades. The average number of move-ins over the last 3 years would be approximately 22 students.

Model 1 - Device Deployment

7th & 2nd iPads - Teacher Refresh MacBook Airs - Original

18-19 School Year



19-20 School Year



Cost ~ \$80,000

Deployed Devices
 346 iPad
 234 MacBook Air
 60 iPad Mini

CART 2 - 3 yo
 25 to create another cart at MM for Sciences and Allied Arts

CART 1 - 5 yo
 Marie Murphy Original Cart remains

Loaner Pool
 4 - 4 yo
 146? - 7-8 yo

Total Cost - 19-20 Refresh ~ \$80,000

Model 1 - Device Deployment

7th & 2nd iPads - Teacher Refresh MacBook Airs - Original

19-20 School Year



20-21 School Year



Subsequent years will continue a two grade level refresh, to be distributed to grade levels still without 1:1 devices and to bolster loaner pool.

Total Cost 20-21 Refresh ~ \$80,000