2921 Illinois Road · Wilmette, IL 60091

www.avoca37.org · 847-251-3587

Kevin Jauch, Ed.D.
Superintendent
jauchk@avoca37.org
847-728-4128

May 7, 2018

TO:	Board of Education
FROM:	Kevin Jauch, Superintendent
RE:	Staff Refresh
CC:	Beth Dever
	Beth Haugeberg

Accompanying this memo is a graphic chart that shares some data regarding the recommended refresh of staff machines. The first column lists the details and cost at the time of purchase of the 5 year old machines that the staff is currently using. The second column reflects the features and costs related to replacing the old staff machines with the current equivalent. The third column has the information associated with replacing staff machines with a similar sized, but much less expensive MacBook Air. As a matter of fact, the 2018 MacBook Airs cost $123 less than the staff's current machines did in 2012.

The last column, titled Considerations, explains why it is necessary to replace the staff machines at this time. The cost of repairs is at a point where they are more than the value of the machines themselves. You will also note the limitation noted with a 4G machine. The 6th grade laptops, which were discussed as possible alternatives to buying new staff machines, are also 4G. They, too, bog down trying to operate the current operating system when other functions are open, such as an internet browser, Powerschool/Gradebook and the Promethean software. They are also not powerful enough to effectively run High Sierra, the next operating system that Apple has already launched.

It is for those reasons that I am recommending that the BOE agree to purchase the 13" 2018 MacBook Airs with 128 GB, which was recommended by the Avoca Research & Device Committee.

Avoca West Elementary
235 Beech Drive • Glenview, IL 60025
847-724-6800

The Mission of Avoca School District is to maximize the unique potential of each child.

Marie Murphy School
2921 Illinois Road • Wilmette, IL 60091
847-251-3617

2018 Teacher Refresh Device Comparison

**Current Teacher Device
13" - 2012 MacBook Pro**

- 13.3-inch LED backlit widescreen display
- 2.5GHz dual-core Intel Core i5 processor (Turbo Boost up to 3.1GHz with 3MB L3 cache
- 4GB of 1600MHz DDR3 memory
- 500GB 5400-rpm hard drive
- 8x SuperDrive (CD/DVD drive)

July 2013 Cost
**Device - $999
AppleCare - $136.22**

Total Device $1135.22

13" - 2018 MacBook Pro

- 13.3-inch LED backlit widescreen display
- 2.3GHz dual-core Intel Core i5 processor (Turbo Boost up to 3.6GHz with 64MB of eDRAM
- 8GB of 2133MHz LPDDR3 memory
- 256GB PCIe-based SSD
- No SuperDrive

**Device - $1449
AppleCare - $199**

Total Device $1648

13" - 2018 MacBook Air

- 13-inch LED backlit widescreen display
- 1.8GHz dual-core Intel Core i5 processor (Turbo Boost up to 3.2GHz with 3MB shared L3 cache
- 8GB of 1600MHz LPDDR3 memory
- 128GB or 256GB PCIe-based SSD
- No SuperDrive

**Device - $829 (128GB)
$1199 (256GB)
AppleCare - $183**

Total Device $1012 (128GB) $1382 (256GB)

Considerations:

- 4G machine barely runs Sierra operating system; not powerful enough to run future upgrades
  - RAM upgrade to 8GB - $80

- Mechanical hard drives are starting to fail
  - 15 district-wide
  - $75
  - 1-2 hours to replace, IF teacher has performed backup, considerably more if backup is not recent, lost data may happen

- SATA cables starting to fail
  - 16 district-wide
  - $15
  - 1 hour to replace

- Batteries are starting to fail
  - 21 district-wide
  - $90
  - 30 minutes to replace

- Logic Boards starting to fail
  - 4 district-wide
  - $700
  - 2 hours to replace

- Extended Apple Care expired two years ago. All repairs done at district cost.

- All repairs involve several days of loaner machine while waiting for parts to be delivered