

2015-2016 Regular Meeting of the Technology Advisory Committee (TAC)

Fremont Unified School District, Technology Training Center, District Office, 4210 Technology Drive, Fremont, CA 94536

October 5, 2015, 7:00 p.m. – 8:30 p.m.

NOTE: Those who wish to speak under Oral Communications must be present prior to 7:00 PM to request to do so.

OPENING ACTIVITIES

Call to Order 7:03 p.m. by Chair Jeff Downing.

Roll Call & Introductions:

Fremont Community Member	Present (Y/N)	FUSD Staff Member	Present (Y/N)
Biju Abraham, American Attendance Area, Ardenwood Elementary	N	Jeff Downing, Computer Specialist, Millard Elementary, TAC Chair	Y
Goutam Das, Mission Attendance Area, Hopkins Jr. High	Y	Anne Damron, School Secretary, & CSEA Rep., TAC Secretary	Y
Sameer Desai, Parent, Forest Park Elementary, TAC Vice-Chair	Y	Thom Birbeck, Teacher, Hopkins Jr. HS & FUDTA Rep.	Y
Linda Licari, Washington Attendance Area, Niles Elementary	Y	Maile Ferreira, Teacher Librarian, MSJ High, FUDTA Rep. & FUSD Librarian	Y (8:11)
Robert Hou, Mission Attendance Area, MSJ High	Y	Danielle Girard, Instructional Tech Coordinator	Y
Vikram Jung, Mission Attendance Area, MSJ High	Y	Michelle Hartman-Gruber, Campus Supervisor, & SEIU Rep.	N
Rebecca Smith, Mission Attendance Area, Chadbourne/Hopkins/MSJ High	N	Prince Padania, Teacher, Oliveira Elementary	Y
Peter Xie, Parent, Parkmont Elementary	Y	Rob Reibenschuh, Asst. Principal, American HS	Y
Seated Voting Members: <u> 13 </u>		Quorum Met: Yes <u> 13 </u> /16	
		Joe Siam, FUSD Chief Technology Officer (CTO) ex officio-non voting	

Approval of Minutes: Minutes will be approved at the next meeting as this meeting was quick after the last one and minutes were not distributed

Approval of Agenda: Agenda is to continue to discuss the Technology Proposal Review Form and the Hardware Refresh Cycle.

Oral Communications—comments from public or members on items not on agenda, approx. 7:30 p.m. Goutam asked questions about items on previous agenda to gain background. Goutam asked about the video systems for buses and were the systems for FUSD owned busses (yes, 36-40 busses). Another question from Goutam was about upgrading phone systems. No longer e-rate on phone system so would be looking at VOIP system. Rob asked another question about VOIP and ACOE connection, etc. Background is important for new members; Anne mentioned that new members should review previous minutes posted on the FUSD website on the TAC page. Connection issues during the meeting made the FUSD network connection great food for thought. Joe shared his “in house” Technology Roadmap to new members to help with background knowledge.

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Thom's oral communication is that newly purchased computers be setup to be connected to any network in FUSD. Joe noted that if staff is at Ardenwood, Vallejo Mill, Brookvale and Kennedy for meetings they are already on the SSID so time that staff takes to get on the network at trainings should be minimal. All noted that this is the goal with Measure E funds.

AGENDA ITEMS

Scheduled Items: Technology Proposal Review Form. As members looked at a draft that was briefly discussed at the last meeting, Joe talked about some of the items that would be important. Members threw out questions such as cost per student? What is student benefit? How many students will this project serve? What is the goal of the project? What policies relate to the project? Does it affect students? Or does it not affect students? Who is the audience for the project?

Other questions that came up last time were What is the current previous/system? Does it match with equipment we have? Will this project be eligible for e-rate funding? Is there training & support or does that cost more? What is the cost for professional services? Does it run on LAN/WAN? Who are your immediate competitors? What about references to other School Districts you work with?

Members also asked if there are different domains that the Tech Department is procuring stuff for.

TAC will look at a second draft from the subcommittee at the November meeting. Vikram asked for the scope to be clarified for the subcommittee. Sameer asked that we clarify that this is a minimum set of questions. Joe will convene a subcommittee (possibly via email) Peter, Sameer, Goutam have volunteered for the committee.

Hardware Refresh Cycle—Update

Joe spoke on the progress in the last two weeks since the last TAC meeting. Kameron Simranchough, the Systems Administrator, is out on his honeymoon and will be back this week. He has a Computer Science degree and then worked at Cisco. He has a networking background.

The Technology Department has two funding sources for hardware refresh this fiscal year. \$500,000 normally designated from Tech budget for refresh, plus an additional \$250,000 of one time money. Joe's idea is to use unduplicated enrollment numbers and give each site a percentage of the \$250,000 based on each school's unduplicated student numbers. FUSD current enrollment is 34,939. It would be smart for FUSD to use the \$500,000 for a set device to make it more practical for support, training, upgrades, etc. For the \$250,000, let each school, with approval of its School Site Council; use its percentage to spend on whatever edTech hardware. Joe spoke a little bit about the Measure E projects for tech. Jeff noted that hardware was outpacing infrastructure.

Goutam feels that the right hand is not seeing what left hand is doing. Robert agreed that that happens in our district. They want to make sure that the tech brought in can be supported by infrastructure that already exists. Goutam continued to reference different forms of hardware and noted that we are often considering purchases in isolation. Thom noted that from his experience, 99% of the time the network works and over the last ten years internet accessibility is much better than before.

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Regarding internet access upgrades, the next set of 12 schools will be done June/July 2016. The rest of the schools should be done by June 2017. In conjunction with that WAN will be upgraded. Joe noted that the Comcast contract expires in June of 2017.

Hardware refresh funds all need to be spent on hardware. Jeff likes the proposal to use \$500,000 for Chromebooks and \$250,000 for each school to use for their site needs, possibly robotics or coding labs. One member asked, Is every school happy with ChromeBooks? Many members liked the flexibility of the suggested plans for the \$250,000. Robert suggested a long-range plan.

Teacher laptops will need to be replaced. How much does \$500,000 really buy? In the past two years that Joe has been hear, the 1880 teacher Dell laptops consumed \$1,378,942.40 of hardware funds in the Tech Department budget. Robert also mentioned that we haven't considered clerical staff. Millard and Hopkins both bought for clerical. Anne spoke about the number of clerical staff that will change to a new financial system and that may mean new systems for clerical staff and sites, district office, and satellite district clerical operations such as transportation, facilities and maintenance. Robert asked for an estimate of what it would cost to upgrade all clerical.

Peter asked what do schools really need? TAC discussed equity, Title 1 funds at secondary, etc. Peter likes setting overall goal and let CTO do the nitty gritty. Linda asked what procedure is for aging out oldest devices. Networks that haven't been upgraded can't handle more than 256 devices due to the IP address configuration. Joe's experience is a ratio of 3 to 1 student to device is good. This conversation of access to devices needs to be had with curriculum.

Vikram noted that we shouldn't be doing the "rich get richer" kind of thing. Do we have numbers about this? This is a fear? What is FUSD asset management system? Sites that haven't been making purchases—this system will help. Members commented that schools that have been making purchases would always make purchases. Members asked to make the information of "who has what" visible—publicly available.

Jeff noted increase of devices the movement of carts and responsibility of them, locked storage, alarms. Joe will ask lead tech for Millard area to give Jeff an update. Many teachers cannot physically move the carts. TAC is wondering about the cost of alarming more rooms (and offices) for security. Electrical load is another concern. At larger sites (especially secondary) moving carts is a great issue.

Several members expressed they are not ready to vote on a motion regarding the hardware refresh cycle. Others asked the source of the \$250,000, and noted it should be spent on hardware for students this year (clarify the source of the funding and any restrictions). Robert wants to develop a long-term plan for the Tech budget refresh dollars over the long-term. If clerical were selected for a refresh, would all clerical systems be standardized? Machines removed from service can and will be repurposed. Goutam asked if we have a set date to decide something? While TAC does not, Joe noted the last large purchase was in December (good timing for receiving, imaging and distributing).

Possible Future Agenda Items:

November--Report from Subcommittee –Tech Proposal Review form

November--Hardware Refresh & Cycle

November--Portfolio of applications from District Level—Danielle

December—Technology Road Map Update

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MEETING ADJOURNED 8:30 p.m.

NEXT MEETING:

Monday, November 2, 2015

Monday, December 7, 2015

Monday, January 11, 2016

Monday, February 1, 2016

Monday, March 7, 2016

Monday, April 4, 2016

Monday, May 2, 2016

Technology and Education Acronyms

GAFE: Google Account for Education

C & I: Curriculum & Instruction Department

SIS: Student Information System

CMS: Content Management Solutions

DRS: Disaster Recovery Site

SchoolLoop – Communication/website used by secondary sites

Schoolwires -- host of FUSD website

Engrade—Grading program used in Elementary Schools

SSID: A service set identifier (**SSID**) is a sequence of characters that uniquely names a wireless local area network (WLAN)

Unduplicated students: An **unduplicated student** headcount is the actual number of individual **students** enrolled.

TAC Acronyms (humorously!)

UE: Unduplicated Enrollment

UT Unduplicated Teacher

US: Unduplicated Staff