- from MBUSD Educational Technology Use Plan, June 2009.

3d. Improving Teaching and Learning Using Technology

Using the International Society for Technology in Education (ISTE) National Education Technology Standards and Performance Indicators for Students (NETS•S), the MBUSD has developed the following student objectives across the District.

E = ENTRY R = REINFORCE I = INDEPENDENT USER

#		K	1	2	3	4	5	6	7	8	9	10	11	12
Technology Operations and Concepts														
1	Basic use of audio and audio/visual equipment (e.g., DVD player, voice amplification system, LCD projector, microphone, CD player, cassette player, headphones)	E	E	E	R	R	I	I	I	I	I	I	I	I
2	Use basic calculator for class use					E	R	I	I	I	I	I	I	I
3	Use graphing, scientific calculator for class use										E	E	R	R
4	Use basic computer operations (on/off/restart, opening an application, file extension, and also locating, opening, editing, & saving a file)		E	E	R	R	R	I	I	I	I	I	I	I
5	Operate peripheral devices, e.g., printers.		E	R	I	I	I	I	I	I	I	I	I	I
6	Basic use of storage devices.		E	R	I	I	I	I	I	I	I	I	I	I
7	Use basic technology vocabulary, progressively, vocabulary expands relative to skill level	E	R	R	R	R	R	R	R	R	R	R	R	R
8	Develop basic keyboarding skills	E	E	E	R	R	R	I	I	I	I	I	I	I
Digital Citizenship														
9	Practice ethical use of computers, expands with skill level (i.e., plagiarism, cyber bullying, privacy, copyright, etiquette)	E	E	E	E	E	E	E	E	E	E	R	R	R
10	Exhibit a positive attitude embracing the possibilities of technology	E	R	R	R	R	R	R	R	R	R	R	R	R
Creativity and Innovation														
11	Create documents using word processing applications (e.g., Word) and tools (e.g., spell-check)		E	E	R	R	R	I	I	I	I	I	I	I
12	Create, access and manipulate graphics	E	E	R	R	R	R	I	I	I	I	I	I	I
13	Create, access and manipulate spreadsheets (e.g., Excel)						E	R	R	I	I	I	I	I

14	Create, access and manipulate presentations (e.g., Presentation software)			E	E	R	R	I	I	I	I	I	I	I
15	Provide access to advanced learning opportunities that allow students to pursue specific technological interests and skills (e.g., software, electives, after-school)					E	E	E	E	E	E	E	E	E
16	Use software and/or web-based tools that enhances curriculum standards, may include applications for models and simulations (e.g., Oregon Trail, Math Blaster, Interactive Physics, House Series, Word Champ)	E	E	E	E	E	E	E	E	E	E	E	E	E
Communication and Collaboration														
17	Interact, collaborate, and publish with peers, experts, or others employing a variety of digital environments and media, expand with grade level	E	E	E	E	E	E	E	E	E	E	E	E	E
18	Communicate information and ideas effectively to multiple audiences using a variety of media and formats (e.g., email, WIKI, social network systems), expand with grade level							E	E	E	E	E	E	E
Research, Information Literacy and Critical Thinking														
19	Plan strategies to guide inquiry, expand by grade level			E	E	E	E	R	R	R	R	I	I	I
20	Determine appropriateness and validity of information from electronic sources (find sources of information)			E	E	E	E	R	R	R	R	I	I	I
21	Develop information literacy skills to locate, evaluate and ethically use information and cite information sources, expand by grade level (find data)			E	E	E	E	R	R	R	R	I	I	I
22	Use electronic resources and applications to organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media, expand by grade level (use the information)			E	E	E	E	R	R	I	I	I	I	I