

WARREN APEL

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Goals

I want to improve student learning through the well-managed and purposeful integration of technology. I would like to accomplish this through an administrative or faculty-level position working with teachers and students. With my help, teachers will be able to use technology tools to enhance their teaching; and students will use 21st Century skills to improve their learning.

Certification and Degrees

National Board Certification (NBPTS) Library/Media/Information Technology	2005-2015
New Jersey Permanent Teacher's Certification: Secondary Education, Biology	2001-life
M.A., Secondary Education The College of New Jersey	2001
B.S., Molecular Biology Arizona State University	1991

Employment

American Embassy School, New Delhi, India	
Director of Technology	2007-present
Elementary School Technology Coordinator	2002-2007
California State University, Northridge	
Adjunct Professor (graduate-level course in educational web design)	2005
Cairo American College, Cairo, Egypt	
Middle School Technology Teacher	2001-2002
Elementary Science Coordinator	1999-2001
Middle School Science Assistant	1998-1999
Middle School Technology Teacher, Part-time	1998-1999
National Institutes of Health	
Molecular Biologist, diabetes research	1994-1998
Educational Management Group	
Educational documentary screenwriter and on-air broadcast talent	1996-1997
Genetrix Human Leukocyte Antigen Laboratory	
Histocompatibility Technologist	1992-1994

Web Design Proficiency

Over sixteen years of personal, educational, non-profit and commercial web development

Websites featured in Newsweek, *Details*, *The Dallas Morning News*, *The Arizona Republic*, *The Houston Chronicle*, *The Wall Street Journal*, *The Los Angeles Times*, *The Sydney (Australia) Morning Herald*, NBC News, TV.COM, CNN, Microsoft Bookshelf, *HotWired*, *Art & Design*, *The Village Voice*, and E! TV, among many others.

Technology Publications

<i>Good Housekeeping India</i>	2005
Wrote a special-interest article on technology and the family	
<i>PC World Egypt</i> and <i>Business Today Egypt</i>	1999-2002
Wrote between eight and twelve feature articles per year, on such varied subjects as artificial intelligence, website design, cutting-edge hardware, effective business presentations, handheld computing, and network security. For three years I wrote a regular monthly question-and-answer column.	
<i>Biotechnology Software and Internet Journal</i>	1996-1997
Wrote four software reviews, including GelPro, SGEL, and GelWorks	

Presentations

21 st Century Learning Conference, Hong Kong	Sept 2009
<i>Data Literacy for Students: Teaching a Critical 21st Century Skill</i>	
ECIS Technology Conference, London	Mar 2009
<i>Making Meaningful Data-Driven Decisions for International Schools</i>	
Learning 2.008 Conference, Shanghai	Sept 2008
<i>Making Meaningful Data-Driven Decisions for International Schools</i>	
edAccess Conference, Delaware	June 2008
<i>Data-Driven Decision Making with TinkerPlots</i>	
NESA Fall Leadership Conference, Bangkok	Oct 2007
<i>Digging Into Data: Technology Tools for Improving Instruction through Data Analysis</i>	
NESA Spring Educator's Conference, Athens	Apr 2007
<i>SmartBoards, Graphing Calculators, and Linker Cubes: Hands-on Methods for Exploring Data Analysis</i>	
MapIndia International Conference on GIS and GPS, New Delhi	Feb 2005
<i>How GPS Technology Can Help India Success Globally - An American's Perspective</i>	
NESA Spring Educator's Conference, Bangkok	Apr 2004
<i>Technology Roundtable Forum (Moderator)</i>	

Technology Proficiencies

I've been using a personal computer since I was in 5th grade. I'm comfortable with both Apple and Windows platforms. Both of the schools I've taught at were cross-platform, although CAC was predominately Mac and AES is predominately Windows XP. I'm a trained FirstClass Administrator. I'm good with photo and video editing, spreadsheets and databases, creating data visualizations, and designing websites. I don't think "technology" should be limited to computers; I am experienced at using science data probes, GPS devices, digital cameras and video cameras, mobile devices, and other gadgets. I have a true passion for technology of all sorts.

Some of my more recent successes include:

A campus-wide network overhaul and creation of a “wireless campus”

My network team and I replaced nearly every piece of old category-5 cable with faster, better category-6 – in many places because the aging cable had been chewed through by rodents! We upgraded the switches to handle faster gigabit traffic, installed wireless network points in every classroom, re-organized and labeled every plug and point in every switch, and in general turned an outdated, failing and frustrating mess into a fast, reliable network.

Switching email systems to encourage collaboration and communication

The faculty had been using Eudora, an outdated platform that wouldn't work for off-campus users. I led a task force to choose a better email system. We picked FirstClass, which has enabled an amazing level of electronic communication between students and teachers. It has ensured reliable, solid communication between teachers and parents, enhanced our website with shared calendars, allowed safe student-published blogs, and provides a venue for distance learning. It wouldn't have been such a success without a lot of professional development and teamwork.

Our first Technology Plan

AES never had a comprehensive technology plan. I led a group of parents, students, and teachers who engaged in a visioning process to develop our technology goals. The technology coordinators and I worked on a strategic plan to accomplish these goals, plan a five-year technology budget, and create a professional development plan that is helping teachers integrate technology into their curriculum in meaningful ways.

Creating the “Classroom of the Future”

The technology representatives at each grade level and department worked together to design the ideal technology-rich classroom for their specific needs. After piloting a variety of cutting-edge tools, we developed a plan to purchase, install, and train teachers in the use of the ideal set of technology: a ceiling-mounted projector, document camera, SmartBoard, and wireless access point in every classroom. I was also heavily involved in the planning, moving, budgeting, purchasing, and allocation of technology for our brand new purpose-built high school building.

An emergency, crisis, and disaster recovery plan

Technology is never 100% reliable, but we needed a plan to make it as reliable as possible, and cover us in the event that it did fail for some reason. Between written plans, backup strategies, off-site storage, practice exercises, and tabletop drills, the technology team has a solid plan in place. This plan is crucial in the event of an evacuation, disaster, or a campus closure due to flu.

A new website

I led a committee of teachers, parents, and school board members who designed the ideal school website. Over the course of 18 months, my programming and design team worked and revised to achieve the goals outlined by the committee. We didn't outsource the job – the work was all done in house, the photos were taken by students and teachers, and a middle school graphic design class even made decisions about the fonts. The end result (check it out – <http://aes.ac.in>) is a social network that ties our community together and gets over 2,500 visits per day.