

DoDDS-Europe Technology Plan
"Anytime, Anywhere Learning for the 21st Century"
SY 2005 – 2008

Vision

DoDDS-Europe will ensure that all members of the organization support and promote technology rich 21st century learning environments. Technology facilitates teaching and learning styles that are unrestricted by time, place, and modality. Technology enabled instruction will capture every learner's attention, breed enthusiasm for learning, and result in standards based highest student achievement.

Educational Philosophy

Every student attains highest achievement when technology is an integral part of the learning process.

Providing Equal Access

Every student will have a DoDDS-Europe issued technology device.

Every classroom will have an interactive white board.

Every classroom will have a digital projection device.

Every facility will have wireless access throughout.

Objectives

Technology enriched classrooms will result in improved test scores in:

- Criterion-Referenced assessments
- Norm-Referenced assessments
- NAEP assessments.

Technology makes thinking and learning visible.

Technology enables interactive teaching and learning.

Students are more engaged and motivated in learning.

Provide equitable access to all resources to support highest achievement.

All facilities support a wireless environment for technology enriched learning.

Strategies

Deployment Strategy

Phase One (SY05-06)

- Establish decision making technology committees at every school
- Remove any desktop other than the existing leased computers from all schools.
- Take ownership of the 6500 phase one computers for a maximum of two years. Keeping the current leased machines in place will give us the time to put newer technologies in place. Any previously leased machine that ceases to function, will be sent to DRMO. The leased machines that come off of warranty will need to be phased out by the end of the second year (or until they fail) whichever comes first.
- Begin the wireless infrastructure upgrade. This will begin with an assessment and identification of a prioritized list of schools. An upgraded infrastructure will be critical as the other components roll out.
- Acquire an Interactive White Board, Projector, Laptop package. (IWB,P,& L). Districts will determine the distribution of their allocation of IWB,P&L packages for their schools. Every classroom should have an IWB, P&L by the end of the second year. Preparation for this roll out must begin immediately
- Acquire workstations (the workstation may be a notebook, tablet PC, or desktop) on the eventual one to one ratio. A small number of notebooks should be deployed the first year to support the science implementation.

Phase Two (SY06-07)

- Continue the Infrastructure Upgrade
- Complete the deployment of IWB,P,& L.
- Continue the rollout of the workstations

Phase Three (SY07-08)

- Complete the Infrastructure Upgrade
- Complete the rollout of the workstations

Minimum Equipment Specifications

- Video Projectors and Interactive White Boards
 - Same Specs from FY04 ITRA
- Tablet PC
 - 512 RAM
 - 40 Gigs HD
 - Power Saving Processor (3gig P4, or Centrino Mobile)
 - DVD RW – External
 - 15” screen
 - 1 Serial Ports

- 2 USB
- 1394 Port
- Printers
 - Specs – From FY 04 ITRA
 - Networkable
 - Laser
 - Voltage 220V or 110V
 - USB Port
 - Parallel Port
- Laptops
 - Battery Life 6+ hours
 - 512 RAM
 - 40 Gigs HD
 - Power Saving Processor (3gig P4, or Centrino Mobile)
 - DVD RW – External
 - 15” screen
 - 1 Serial Ports
 - 2 USB
 - 1394 Port
- Biometrics
 - Finger print reader.

Funding Strategy

DoDDS-Europe will fund the initial plan out of the Director’s Technology Funds. All consumables will be funded by the districts and schools.

Acquisition Process

Do a lease vs. purchase assessment on printers, video projectors, interactive white boards, workstations, and network components.

In order to maximize competition and value for our dollars, the procurement process will be handled open market. This will allow the international community to participate in the competition.

- The process will start immediately
- Determine the best procurement strategy (Lease vs purchase)
- Develop the requirements package: AF9, IGCE, SOW
- For any purchased or leased equipment, vendor will provide full scope of on-site implementation and 3-year on-site warranty maintenance.
- DoDDS-Europe should investigate the use of vendor buy back programs of existing network components to leverage the remaining usefulness of that equipment.

Service and Support

- Video projector and interactive White Boards
 - 1 Year Warranty
 - Purchase additional bulbs
 - POC (Local)
 - Return Policy
 - On Site – During Warranty
- Tablet PC
 - Minimum 3 year hardware support
 - 72 hour on site support
 - Full on site exchange service
- Printers
 - 3 year warranty
 - 72 hour one site support
 - Extra Toner/Cartridges on hand drums
- Laptops
 - Accidental Damage
 - 3 year warranty
 - 72 hour on site support/exchange

Gaining Support

DoDDS-E will be responsible to develop on-line resources that communicate technology policies, technology committee guidance, and implementation plans.

- Parents & Community
 - Publish National Educational Technology Standards (NETS) and technology plans on web pages, in newsletters, etc. to provide constituents with information supporting the new DoDDS-E technology plan.
 - Presentations will be provided to parents and community during IAC, SAC, PTSA, school board and installation meetings that will model the use of new technologies.
- Administrators
 - Provide awareness training outlining all steps of the rollout, school level decisions and facilitation of the DoDDS-E technology vision implementation.
- Teachers
 - Attend meetings where new technologies are modeled.
 - Become familiar with research-based information supporting student achievement on technology instruction.
 - Participate in co-teaching opportunities.
- Technology Committee
 - Provided with information and guidance from DoDDS-E on the technology plan and the process toward implementation.

- Must be involved in recommendation to administration on all matters related to the reallocation and distribution of existing hardware to meet programmatic needs.
- Make recommendations to the administration on all matters related to technology infusion into the curriculum.

Teacher Training

- All staff development in DoDDS-E will be conducted using 21st Century techniques of standards based instruction infused with the technology envisioned for use with all students.
- The lead teacher model will be used to implement teacher-training programs in conjunction with educational technologists.
- Lead teachers will be provided training, resources and release time for infusing technologies into standards based curriculum.
- Co-teaching, peer observations and demonstrations will be used as models for teacher training.
- Training will be scheduled in conjunction with rollout plans of disseminating technologies in the schools.

Skills addressed in the above training model

- Awareness of 21st Century standards, technologies and research-based information supporting student achievement on technology instruction.
- Use of new software and hardware to deliver the standards based curriculum.
- Assessment techniques for monitoring and reporting student achievement using 21st Century technologies.

Technological Infrastructure

To support mobile access across a campus, a wireless infrastructure must be installed throughout the school. DoDDS-Europe schools currently have a wired network in place and that network will be the foundation for a wireless network. The wired network will provide the connectivity needed to install wireless access points throughout each school. DoDDS-Europe should investigate the use of vendor buy back programs of existing network components to leverage the remaining usefulness of that equipment.

The following steps are needed to make DoDDS-Europe a completely wireless environment within three years.

- Identify a prioritized list of schools based on known end state sites .
- Determine a standard configuration for wireless installation compliant with DoD wireless regulations.
 - Mandate that all future technology acquisitions are compliant to the standard.
 - Select a single partner under a long term contract to accomplish the task.
 - Perform a site survey in each school to include testing signal strength and availability of electrical power.
 - Schedule the installations, coordinate any disruptions with the school and minimize those disruptions.
 - Continue the DoDDS-Europe project to increase Internet bandwidth at every site.

Evaluation

- DoDDS Customer Satisfaction Survey includes questions to measure parental and student perceptions of student motivation and engagement.
 - All facilities have access to appropriate technologies as defined by a clearly articulated roll-out plan that is measureable.
 - School-level technology committees regularly assess school progress against a DoDDS-E implementation rubric.
 - Every staff member participates in staff development to realize full implementation of new technologies.
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