

*DOIT and the President's Education and Training Goals:*

President's Goals in Education <sup>1</sup>	Learning Technology's Contribution
<p><b>Stronger accountability:</b> “close the achievement gap and make sure all students, including those who are disadvantaged, achieve academic proficiency.”</p>	<ul style="list-style-type: none"> <li>• Instruction continuously tailored to each student using automated systems and improved methods for letting teachers spend more time with individuals or small groups when needed.</li> <li>• Continuous assessment of each student's performance ensuring that the no child is left behind in the classroom because the teacher must move on when most of the class is ready. Assessments built on simulations can provide rich, detailed measures of competence that make sense to teachers, employers, parents, and the kids (can he survey a field, can she demonstrate that she understands the immune system)</li> <li>• Assessment systems can immediately pinpoint deficiencies in the student's grasp of the subject (as a good tutor can do) and provide targeted help using automated systems and engaging teachers when they're most needed</li> <li>• They also ensure that talented students can progress rapidly if they continue to demonstrate competence and mastery.</li> </ul>
<p>More Freedom for States and Communities: <b>“states and school districts have unprecedented flexibility in how they use federal education funds”</b></p>	<ul style="list-style-type: none"> <li>• Powerful, proven tools developed by DOIT will let state and local education systems develop curricula and approaches to instruction suited for the unique needs of each community.</li> <li>• Tools will let students demonstrate expertise using examples relevant to each community – including the employers in the community.</li> <li>• Digital libraries will make the riches of federal, state, and local libraries and museums available in a form that can be easily incorporated into these instructional ideas</li> </ul>
<p>Proven Education Methods <b>“emphasis on determining which educational programs and practices have been proven effective through</b></p>	<ul style="list-style-type: none"> <li>• Provide a new level of rigor in educational research. The DOIT research will be based directly on the most rigorous available research on what works in learning. It will build and test tools for brining new instructional concepts to life that are affordable and test them in a “spiral development” process learning from experiments with small groups and building to tests involving increasingly larger numbers of students if concepts demonstrate real results.</li> </ul>

<sup>1</sup> Taken from U.S. Department of Education's No Child Left Behind website: <http://www.ed.gov/nclb/overview/intro/4pillars.html>

<b>rigorous scientific research”</b>	The digital format can provide a huge, continuously improving base of data to evaluate what is and is not working with detailed information about success rates for all types of students (sex, race, educational background, native language, challenged and gifted). No data will be left behind.
<b>More Choices for Parents:</b> “parents may transfer their children to a better-performing public school”	<ul style="list-style-type: none"> <li>• New technologies make it possible to deliver high quality instruction in diverse subjects even in small remote schools where the local instructor may not have special expertise. Personal help with instruction and even counseling can be provided through advanced communications.</li> <li>• The systems can easily adapt to different approaches to instruction – including home schooling.</li> </ul>
<b>Presidential Goals in Training<sup>2</sup></b>	<b>DOIT contributions</b>
President's call to improve job training and prepare more Americans for the growing and changing economy, ensuring that no worker is left behind	<ul style="list-style-type: none"> <li>• Instructional tools that can adapt to workers with any background of formal education and job experience</li> <li>• Learning experiences comfortable to people who may not feel comfortable in formal classroom settings and that can provide individualized, targeted remediation where needed</li> <li>• Simulations and other tools that can let workers apply knowledge in situations that mimic actual job experiences (whether this is operating or repairing equipment or working collaboratively to address a management problem)</li> <li>• Assessments that measure skills in ways that make sense to the employers and the employees (can the person actually operate the equipment in routine and emergency situations, can they provide patient care without making dangerous errors, can they find the information they need quickly using access to information resources and human experts, etc.)</li> <li>• Language skill training systems allowing people with weak English skills to gain mastery in reading and speaking</li> </ul>

<sup>2</sup> From presentation of FY2006 budget by Secretary Chao: [http://www.dol.gov/sec/media/speeches/20050317\\_house\\_appropriations.htm](http://www.dol.gov/sec/media/speeches/20050317_house_appropriations.htm).

<p>Innovation Training Accounts to provide workers ownership over the education and training they pursue</p>	<ul style="list-style-type: none"> <li>• Alternatives to conventional classroom training that may be more affordable and compatible with the workers interests</li> <li>• Training opportunities available in many locations on the job site or at home</li> <li>• Powerful training opportunities available even to workers located in remote communities</li> <li>• Training available on flexible schedules that can adapt to the complex schedules of people who may hold multiple jobs and/or responsibilities in caring for children or other dependents</li> </ul>
<p>The President's High Growth Job Training Initiative is designed to develop a demand-driven workforce training system. ... partnerships that include the workforce investment system, business and industry, education and training providers, and economic development entities working collaboratively to develop industry-specific workforce solutions.</p>	<ul style="list-style-type: none"> <li>• Simulations and other tools that can easily be converted from generic training to firm-specific training needed by an individual firm</li> <li>• Just in time training when unfamiliar tasks must be performed on short notice</li> </ul>
<p>The Community College Initiative will help fully utilize the expertise of America's community colleges as part of our job training programs and better train workers for jobs in high growth sectors</p>	<ul style="list-style-type: none"> <li>• Community colleges will be active participants in DOIT helping to develop and test tools designed for diverse student bodies</li> </ul>
<p><b>Prisoner Re-Entry Initiative</b></p>	<ul style="list-style-type: none"> <li>• Prisoners could be provided high quality training for a range of job opportunities, and</li> </ul>

<p>designed to strengthen urban communities through an employment-centered program that incorporates job training, short-term housing, mentoring, and other transitional services to help recently released prisoners make a successful transition back to society and long-term employment.</p>	<p>demonstrate their competence in these jobs, without leaving prison</p>