

**Draft Standards for Ed 507.22 Computer Technology Educator
Presentation to the NH Professional Standards Board on October 26, 2009**

In September and October, these draft standards were circulated among the New Hampshire educational community for feedback. The following four listservs were used to reach various audiences: [ETNews](#), [NHSTE](#), [NHEMA](#) (NHSLA), and [NHASP](#). As a result we received some great feedback, such as:

- These are great and long overdue.
 - It was smart to use the new NETS-T standards as a starting point.
 - These new draft standards look great but please change the name because the current name is outdated and creates confusion about what should be taught.
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The Computer Technology Educator Program shall provide the teaching candidate with the skills, competencies, and knowledge gained through a combination of academic and supervised practical experience in the following areas:

In the area of **authentic learning experiences and assessments**, the teaching candidate will have the ability to:

1. **design and implement** authentic digitally based learning experiences with multiple and varied formative and summative assessments
2. **manage** digital portfolio processes and procedures consistent with Ed 306.42 program requirements within Minimum Standards for School Approval
3. **collaborate** with content area teachers to incorporate contemporary digital tools and resources to maximize content learning in context
4. **utilize** adaptive technologies and other digital resources to personalize and differentiate learning activities for every student.

WHAT DOES THIS MEAN?

#1 - means that the educator has a large instructional toolbox to carry this out. This implies they've had a significant amount of professional development, know how to use a wide variety of tools, software, etc.
#2 - is important because the computer teacher is often the main player in the school or district's implementation and compliance with student digital portfolios.
#3 - may be more difficult to assess but it is the core of the minimum ICT standards. It took tech teaching out of the computer lab and put it into the classroom creating a more fully integrated model.
#4 - With the wide availability and capability of technologies, we have the ability to customize learning for each student using technology resources.

In the area of **facilitating and inspiring student learning and creativity**, the teaching candidate will have the ability to:

1. **use** their knowledge of digital tools and technology applications to facilitate experiences that advance student learning, creativity, and innovation in both face-to-face and virtual environments.
2. **collaborate** with teachers to promote creative thinking and inventiveness using digital tools to engage students in real-world problem solving and learning
3. **promote** student reflection using collaborative tools to reveal and clarify students' conceptual understanding
4. **model** collaborative knowledge construction to create more engaging learning experiences
5. **provide** leadership and assistance in the above areas to colleagues at all position levels.

WHAT DOES THIS MEAN?

#1 - refers to the importance of a variety of online experiences and tools, such as wikis, blogs, SecondLife, online course delivery systems, cloud computing, etc.
#2 - these standards imply use of digital tools beyond the basic curriculum, i.e., it's not just about word processing.
#3 - With the requirements of digital portfolios, it is increasingly important to support students in learning to reflect on their understandings.
#4 - The use of web 2.0 tools allows us to do things that weren't easy or possible without the tools. The results are often richer and deeper and promote ethical behavior.
#5 - We recognize that while NETS-T is for all teachers, a person with this credential is really in position to lead and support their colleagues to be competent in the new NETS-T standards. It is also important to recognize that colleagues in a 21st century workplace are those at all levels.

In the area of **modeling digital-age work and learning**, the teaching candidate will have the ability to:

1. **integrate** all available and emerging digital tools within the school community
2. **utilize and promote** digital tools for collaboration and communication with students, parents, peers, and community members
3. **illustrate** how state and national standards are implemented within the curriculum

WHAT DOES THIS MEAN?

Walk the talk.

In the area of **digital citizenship**, the teaching candidate will have the ability to:

1. **demonstrate** a comprehensive understanding of safe, ethical, legal, and moral practices related to digital information and technology, including respect for copyright, intellectual property, and the appropriate documentation of sources
2. **provide instruction and modeling** to the school community regarding digital etiquette and responsible social interactions related to the use of technology and information
3. **promote and utilize** digital tools and assistive technologies that provide equitable access for all school community members
4. **facilitate** access to digital-age resources which promote cross-cultural awareness and connections

WHAT DOES THIS MEAN?

The teacher provides leadership in the area of digital citizenship for the whole school community. With concerns that tend to be prevalent regarding open access, it is important that someone model the value of 21st century resources and teach responsible use of technology in a digital world.

In the area of **professional growth and leadership**, the teaching candidate will have the ability to:

1. **promote and demonstrate** effective use of digital tools and resources
2. **evaluate, adapt, and reflect** on emerging tools and trends by participating in local and global learning communities and by reviewing current research and professional literature
3. **demonstrate** the role of new media literacies to best equip young people to succeed in a globally interconnected, multicultural world
4. **provide** leadership and assistance to colleagues at all position levels
5. **participate** in developing policies, procedures, and budgets concerning digital resources

WHAT DOES THIS MEAN?

#1 - underscores the importance of this position as a leader who promotes and assists others in the school to effectively use technology

#2 - places importance on the process of keeping up with what's new and promising, evaluating carefully and finding ways to adapt and help colleagues to adapt as needed.

#3 – Visit www.newmedialiteracies.org for the importance of this standard within the leadership set.

#4 - This refers to all 5 standards within this certification.

For a list of committee members, comments, and discussions, please visit:

- Committee Wiki at <http://computertechedstandards.wikispaces.com/>
- NHDOE “ETNews Blog” at <http://www.nheon.org/oetb/?p=123>

A copy of this document is also downloadable at <http://www.nheon.org/oet/standards>.

Questions? Send an email to Dr. Cathy Higgins at chiggins@ed.state.nh.us.