Topic 5.2: Integrate Technology Standards into the Classroom

For everything you do in the classroom there should be an objective and a method for assessing that objective, integrating technology is no different. This topic will discuss the technology objectives as defined by the International Society for Technology in Education and discuss the process of developing a plan to meet these objectives.

International Society for Technology in Education
The International Society for Technology in Education (ISTE) is an international, nonprofit organization that provides leadership in improving teaching and learning by advancing the effectivness of technology useing K-12 education. ISTE is known for it's development of the 2007 National Educational Technology Standards (NETS), which has been adopted by many states as acceptable technology standards in education. The NETS are a foundational set of standards by which to set classroom technology objectives.

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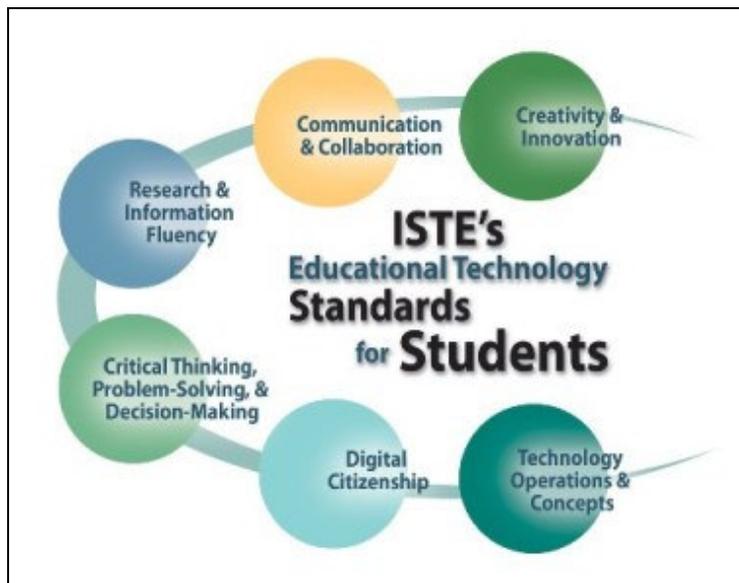

Figure 4.19: NETS Graphic as displayed at http://www.iste.org

1. **Creativity and Innovation**
   The creativity and innovation standard necessitates that students:
   - demonstrate creative thinking
   - construct knowledge
   - develop innovative products and processes using technology.

2. **Communication and Collaboration**
   The communication and collaboration standard necessitates that students use digital media and environments to:
   - communicate and work collaboratively both in class and from a distance.
   - support individual learning
   - contribute to the learning of others

3. **Research and Information Fluency**
   The research and information fluency standard necessitates that students apply digital tools to:
   - gather information
   - evaluate information
   - use information

4. **Critical Thinking, Problem Solving, and Decision Making**
   The critical thinking, problem solving, and decision making standard necessitates that students use critical thinking skills to:
   - plan and conduct research
   - manage projects
   - solve problems
   - make informed decisions using appropriate digital tools and resources

5. **Digital Citizenship**
   The digital citizenship standard necessitates that students:
   - understand human, cultural, and societal issues related to technology
   - practice legal and ethical behavior

6. **Technology Operations and Concepts**
   The technology operations and concepts standard necessitaties that students demonstrate a sound understanding of technology:
   - concepts
   - systems
   - operations

Asynchronous Project 5.1: Online Discussion: NETS Application Plan

Your final assignment for this class will be to participate in a final online discussion where you discuss the following questions:

- ☐ What activities in your classroom currently help to meet the NETS objectives?
- ☐ What objectives do you feel you need to work harder at meeting?
- ☐ What activities (those mentioned in this class or perhaps others) can help you better reach these needed objectives?