

Educational Technology Course Description

Educational Technology - 2060 (6-8) [2000]

Course Description

PERFORMANCE INDICATORS GRADES 6-8

All students should have opportunities to demonstrate the following performances as a consequence of learning about other core content. Students will be assessed during the spring of their 7th or 8th grade year. The assessment will include a keyboarding skill test, a technology literacy self-assessment, and the inclusion of at least two pieces of student work in an electronic portfolio.

Numbers in parentheses following each performance indicator refer to the standards category to which the performance is linked.

The *categories* are:

1. Basic operations and concepts
2. Social, ethical, and human issues
3. Technology productivity tools
4. Technology communications tools
5. Technology research tools
6. Technology problem-solving and decision-making tools

Prior to completion of Grade 8 students will:

Core Standards of the Course

TOPIC: Student Technology Use

STANDARD: 2060 - 01

Apply strategies for identifying and solving routine hardware and software problems that occur during everyday use. (1)

TOPIC: Student Technology Use

STANDARD: 2060 - 02

Demonstrate knowledge of current changes in information technologies and the effect those changes have on the workplace and society. (2)

TOPIC: Student Technology Use

STANDARD: 2060 - 03

Exhibit legal and ethical behaviors when using information and technology, and discuss consequences of misuse. (2)

TOPIC: Student Technology Use

STANDARD: 2060 - 04

Use content-specific tools, software and simulations (e.g., environmental probes, graphing calculators, exploratory environments, Web tools) to support learning and research. (3, 5)

TOPIC: Student Technology Use

STANDARD: 2060 - 05

Apply productivity/multimedia tools and peripherals to support personal productivity, group collaboration, and learning throughout the curriculum. (3, 6)

TOPIC: Student Technology Use

STANDARD: 2060 - 06

Design, develop, publish and present products (e.g., Web pages, videotapes) using technology resources that demonstrate and communicate curriculum concepts to audiences inside and outside the classroom. (4,5,6)

TOPIC: Student Technology Use

STANDARD: 2060 - 07

Collaborate with peers, experts, and others using telecommunications and collaborative tools to investigate curriculum-related problems, issues, and information, and to develop solutions or products for audiences inside and outside the classroom. (4, 5)

TOPIC: Student Technology Use

STANDARD: 2060 - 08

Select and use appropriate tools and technology resources to accomplish a variety of tasks and solve problems. (5, 6)

TOPIC: Student Technology Use

STANDARD: 2060 - 09

Demonstrate an understanding of concepts underlying hardware, software, and connectivity, and practical applications to learning and problem solving. (1, 6)

TOPIC: Student Technology Use

STANDARD: 2060 - 10

Research and evaluate the accuracy, relevance, appropriateness, comprehensiveness, and bias of electronic information sources concerning real-world problems. (2, 5, 6)

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