Eau Claire Area School District Mathematics ITLS

Course : Information Technology Literacy Standards, 6-8 Date: February 24, 2005

Content Standards Strand (Letter):

A. MEDIA AND TECHNOLOGY

Content Standard

Students in Wisconsin will select and use media and technology to access, organize, create, and communicate information for solving problems and constructing new knowledge, products, and systems.

Rationale:

Success in the 21st century will depend upon an understanding of and the capability to use current and emerging media and technology. The following performance standards list the behaviors which show that students recognize the various types of media and technology, know how to operate and use these technologies, and make sound judgments regarding the most effective technologies to use in specific situations. As the growth of media and technology continues to escalate, students meeting these performance standards will be better prepared to continue to learn and utilize them for the analysis, construction, and presentation of knowledge.

	Performance Standards	2002 I	2006-2007	Learning Targets	Assessment Type(s)
ITLS A.8.1	**Use common media and technology terminology and equipment**				
	use simple graphing calculator functions to solve a problem	Math 7 & 8 (assess in both grades)		use simple graphing calculator functions to solve a problem Grade 7 – Var. & Patterns Grade 8 – MSA, GGG, TWMM, CMP & Algebra	PA O

Assessment Types: SR = Selected Response (matching, multiple choice, T/F) PA = Performance Assessment (performance or authentic tasks)
CR = Constructed Response (short Answer/essay) O = Observation (interactive and non-interactive)

ITLS A.8.3	**Use a computer and productivity software to organize and create information**				
	construct a simple spreadsheet, enter data, and interpret the information	Math 6, 7, 8		Math 6 – Data About Us construct a simple spreadsheet, enter data, and interpret the information	PA O
	plot and use different types of charts and graphs (e.g., line, bar, stacked, scatter diagram, area, pie charts, pictogram) from a spreadsheet program	Math 6, 7, 8		Math 6 – Data About Us plot and use different types of charts and graphs (e.g., line, bar, stacked, scatter diagram, area, pie charts, pictogram) from a spreadsheet program	PA O

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B. INFORMATION AND INQUIRY

Content Standard

Students in Wisconsin will access, evaluate, and apply information efficiently and effectively from a variety of sources in print, nonprint, and electronic formats to meet personal and academic needs.

Rationale:

Today's students face a present and future in which they will encounter unprecedented access to ever increasing amounts of information. Students must be prepared to evaluate critically each item of information in order to select and use information effectively in learning and decision-making for personal growth and empowerment. This critical evaluation requires that students have frequent opportunities to learn how knowledge is organized, how to find information, and how to use information in such a way that others can learn from them. Mastery of information and inquiry skills will prepare students to participate in a rapidly changing, information-based environment.

	Performance Standards	Course Phase I	Course Phase II	Content Standards	Assessment Type(s)
ITLS B.8.4	**Evaluate and select information from a variety of print, nonprint, and electronic formats**				
	analyze and evaluate information presented in charts, graphs, and tables	Math		Grade 6 – Data about us Grade 7 – Variables, Patterns Grade 8 – MSA, TWMM, GGG	Not a stretch

Assessment Types: SR = Selected Response (matching, multiple choice, T/F) PA = Performance Assessment (performance or authentic tasks)
CR = Constructed Response (short Answer/essay) O = Observation (interactive and non-interactive)