

MEMORANDUM

TO: Members, Utah State Board of Education

FROM: Thalea Longhurst
Director, Career & Technical Education

DATE: May 12-13, 2016

INFORMATION: Digital Studies

Background:

In 2012, the Board's Digital Literacy Task Force recommended the movement of the 0.5 credit 9-12 grade "Computer Technology" requirement to the 8th grade with updated course standards. The Task Force also recommended that a 0.5 credit requirement of "Digital Studies" be implemented in grades 9-12 with expanded offerings with a higher rigor allowing students to be creators of technology.

In March 2016, the Board approved the move of the course, to now be known as Digital Literacy, to the 8th grade, effective in the 2018-19 school year. The Board also approved the Digital Studies 0.5 credit requirement for grades 9-12. Staff has created a rubric by which existing courses have been measured, and a potential list of courses that can be offered to meet the Digital Studies requirement has been developed.

Board Strategic Plan:

This item supports the following imperative(s) and strategies in the Board's Strategic Plan:

- Educational Equity
- Quality Learning

Anticipated Action:

No action anticipated, informational only.

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Digital Studies



Prepared by the
Utah State Office of Education

May 12 - 13, 2016

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Utah State Board of Education

Standards for Students

1	2	3	4	5	6	7
Demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.	Use digital media and tools to communicate and work collaboratively, including at a distance, to support individual learning and to contribute to the learning of others.	Apply digital tools to gather, evaluate, and use information.	Use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.	Understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.	Demonstrate a sound understanding of technology concepts, systems, and operations.	Demonstrate technology proficiency and plan for future technology use after high school graduation.

International Standards for Technology Education

Standards for Students

A	B	C	D	E	F
Creativity and innovation	Communication and collaboration	Research and information fluency	Critical thinking, problem solving and decision making	Digital citizenship	Technology operations and concepts
<p>Students demonstrate creative thinking, construct knowledge, and develop innovating products and process of using technology.</p> <ul style="list-style-type: none"> Apply existing knowledge to generate new ideas, products, or processes Create original works as a means of personal or group expression Use models of simulations to explore complex systems and issues Identify trends and forecast possibilities 	<p>Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.</p> <ul style="list-style-type: none"> Interact, collaborate, and publish with peers, experts, or others employing a variety of digital environments and media Communicate information and ideas effectively to mutable audiences using a variety of media formats Develop cultural understanding and global awareness by engaging with learners of other cultures Contribute to project teams to produce original works or solve problems 	<p>Students apply digital tools to gather, evaluate and use information</p> <ul style="list-style-type: none"> Plan strategies to guide inquiry Locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media Evaluate and select information sources and digital tools based on the appropriateness to specific tasks Process data and report results 	<p>Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.</p> <ul style="list-style-type: none"> Identify and define authentic problems and significant questions for investigation Plan and manage activities to develop a solution or complete a project Collect and analyze data to identify solutions and/or make informed decisions 	<p>Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.</p> <ul style="list-style-type: none"> Advocate and practice safe, legal, and responsible use of information and technology Exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity Demonstrate personal responsibility for lifelong learning Exhibit leadership for digital citizenship 	<p>Students demonstrate a sound understanding of technology concepts, systems, and operations.</p> <ul style="list-style-type: none"> Understand and use technology systems Select and use application effectively and productively Troubleshoot systems and applications Transfer current knowledge to learning of new technologies

Utah Digital Studies Requirements Rubric

Mandatory Course Requirements					Credit Test-Out Options:
Requirement 1	Requirement 2	Requirement 3	Requirement 4	Requirement 5	
Identify and define problems and questions for exploration: Apply existing knowledge to produce new ideas, create original works, explore complex systems, and forecasting potential outcomes. (UT 1 & 3, ISTE A)	Communicate and collaborate to learn with others: Use technology to produce and publish writing. Communicate ideas through effectively designing a computing artifact for audiences with integrated peer feedback. (UT 2, ISTE B)	Critical thinking and problem solving: Use critical thinking skills to conduct research using appropriate digital tools and resources. Identify and define authentic problems, collect and analyze data to find resolutions and/or make informed decisions. (UT 3 & 4, ISTE B C, & D)	Modeling innovation and technology literate: Demonstrate personal responsibility for safe and legal use of technology for future use after high school. Exhibit leadership and lifelong digital learning. (UT 7, ISTE E & F)	Course must have all: <ul style="list-style-type: none"> At least 0.5 units of credit. At least 70% of course time is hands-on computer use Creating using technology Creating technology using a computer Industry recognized certification(s) aligns to the course 	Industry recognized certification(s) aligns to courses on the approved list. Course content must reflect the content of industry level certificate or certificates by 75% or higher.
Examples:	Examples:	Examples:	Examples:		Industry Recognized Exam
<i>Design relation to curriculum:</i> <ul style="list-style-type: none"> Webpage Creation Online research Media rich presentation 	<i>Writing (production):</i> <ul style="list-style-type: none"> Document Processing Webpage Creation <i>Speaking and Listening (presentation of knowledge):</i> <ul style="list-style-type: none"> Digital Presentation Audio, visual, interactive 	<i>Problem solving:</i> <ul style="list-style-type: none"> Database Game Development <i>Critical thinking</i> <ul style="list-style-type: none"> Analysis 	<i>Digital Citizenship:</i> <ul style="list-style-type: none"> Digital Access Digital Law Digital Security Digital Etiquette 		Examples: <ul style="list-style-type: none"> Adobe Certified Expert Adobe Certified Associate Microsoft Technology Associate Master Level Microsoft Office Specialist

Course Name: [Click here to enter text.](#)

Course Length: [Click here to enter text.](#)

Please describe in detail how this course meets the requirements.

Requirement 1: [Click here to enter text.](#)

Requirement 2: [Click here to enter text.](#)

Requirement 3: [Click here to enter text.](#)

Requirement 4: [Click here to enter text.](#)

Does the course meet all of requirement 5? [Choose an item.](#)

Name of Test-out option: [Click here to enter text.](#)

Name of Certification Provider: [Click here to enter text.](#)

Education Specialist: _____

Content Area: _____

Date: [Click here to enter a date.](#)