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Tech EDGE Student Rubric grades 4-5

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Grades 4-5 Tech EDGE Student Rubric

Subject _____ Project _____ Objective _____

	Emerging 1	Proficient 2	Advanced 3	ISTE Standards	Common Core Standards (LA, SS, Science, Technical)	NE Multiple Literacy Standards
<p>Creativity and Innovation</p> <p>Generates new ideas.</p> <p>Creates original work.</p> <p>Makes predictions.</p>	<p>Project demonstrates use of single option of feature in program to develop innovative product using technology. <i>(ie layouts, size, color, characters)</i></p>	<p>Project demonstrates playing with options in program to develop innovative product with at least two varying feature options using technology.</p>	<p>Project demonstrates playing with options in program to develop innovative products with more than two varying feature options using technology creatively.</p>	<p>a. Apply existing knowledge to generate new ideas, products, or processes.</p> <p>b. Create original works as a means of personal or group expression.</p> <p>c. Use models & simulations to explore complex issues.</p> <p>d. Identify trends & forecast possibilities.</p>	<p>Include multimedia components (e.g., graphics, sound) and visual displays in presentations when appropriate to enhance the development of main ideas or themes (CCSS.ELA-LITERACY.SL.5.5).</p>	
<p>Communication and Collaboration</p> <p>Online publishing.</p> <p>Communicating to/with multiple audiences.</p> <p>Collaborating.</p> <p>Developing cultural understanding.</p>	<p>Project demonstrates emerging level of digital media to communicate learning to single audience, and/or no collaboration used. <i>(ie multimedia presentations, podcasts, social networks)</i></p>	<p>Project demonstrates acceptable use of digital media to communicate learning to two audiences, and/or project involves working collaboratively in person to support individual learning and contribute to the learning of</p>	<p>Project demonstrates exceptional use of digital media to communicate learning to multiple audiences, and/or project involves collaboration at a distance, to support individual learning, contribute to the learning of others, and develop</p>	<p>a. Interact, collaborate, and publish with peers, experts, or others employing a variety of digital environments and media.</p> <p>b. Communicate information and ideas effectively to multiple</p>	<p>Make strategic use of digital media and visual displays of data to express information and enhance understanding of presentations (CCSS.ELA-LITERACY.CCRA.SL.5)</p> <p>With some guidance and support from adults, use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others (CCSS.ELA-LITERACY.W.5.6).</p>	<p>Engage in activities with learners from a variety of cultures through electronic means (podcasts, video chats, distance learning, e-pals)</p> <p>Gather & share information and opinions as a result of communication with others</p>

	Emerging 1	Proficient 2	Advanced 3	ISTE Standards	Common Core Standards (LA, SS, Science, Technical)	NE Multiple Literacy Standards
Use of digital media and visual displays in presentations.		others.	cultural understanding.	audiences using a variety of media and formats. c. Develop a cultural understanding and global awareness by engaging with learners of other cultures. d. Contribute to project teams to produce original works or solve problems.	Include multimedia components (e.g., graphics, sound) and visual displays in presentations when appropriate to enhance the development of main ideas or themes (CCSS.ELA-LITERACY.SL.5.5). Consult reference materials (e.g., dictionaries, glossaries, thesauruses), both print and digital, to find the pronunciation and determine or clarify the precise meaning of key words and phrases (CCSS.ELA-LITERACY.L.4.4.D).	(video/audio chat, interview, podcast, multi-media presentations) Use social networks and information tools to gather & share information (social bookmarking, online collaborative tools)
Research and Information Fluency Uses strategies to guide inquiry. Locates, evaluates, synthesizes information from a variety of sources. Reports results. Gather relevant information from multiple print and digital sources, assess credibility	Project demonstrates use of minimum of one digital tool to gather information. <i>(ie searching one website to locate information)</i>	Project demonstrates use of two or more sources, at least one being a digital tool, to gather and evaluate information. <i>(ie comparing two sources of information to confirm accuracy)</i>	Project demonstrates use of three or more sources, at least one being a digital tool, to gather, evaluate, and report information. <i>(ie searching multiple online sites, offline books, interviews to locate information; evaluating accuracy of information, reporting in multimedia format)</i>	a. Plan strategies to guide inquiry. b. Locate, organize, analyze, evaluate, synthesize, and ethically uses information from a variety of sources and media. c. Evaluate and select information sources and digital tools based on the appropriateness to	Reads informational text which includes biographies/autobiographies; books about history, social studies, science, and the arts; technical texts, including directions, forms, and information displayed in graphs, charts, or maps; and digital sources on a range of topics (CCSS.ELA-LITERACY.RI.K-5range). Recall relevant information from experiences or gather relevant information from print and digital sources; take notes and categorize information, provide a list of sources (CCSS.ELA-LITERACY.W.4.8)	Select and use multiple resources to answer guiding questions (print, subscription databases, web resources) Students will research, synthesize, and communicate information in a variety of media and formats (textual, visual, & digital)

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and accuracy of each source, and integrate information while avoiding plagiarism.				specific tasks. d. Process data and report results.	Summarize or paraphrase information in notes and finished work, and provide a list of sources (CCSS.ELA-LITERACY.W.5.8). Include multimedia components (e.g., graphics, sound) and visual displays in presentations when appropriate to enhance development of main ideas or themes (CCSS.ELA-LITERACY.SL.5.5). Conduct short research projects that use several sources to build knowledge through investigation of different aspects of a topic (CCSS.ELA-LITERACY.W.4.7). Draw on information from multiple print or digital sources, demonstrating the ability to locate an answer to a question quickly or to solve a problem efficiently (CCSS.ELA-LITERACY.RI.5.7).	
Critical Thinking, Problem Solving, and Decision Making Asks important questions. Makes plan to find solution.	Project demonstrates emerging use of critical thinking to ask question, solve problems, and/or make decisions using appropriate digital tools and	Project demonstrates acceptable use of critical thinking skills to plan & conduct research, solve problems, and/or make informed decisions using appropriate	Project demonstrates high use of critical thinking skills to plan & conduct research, manage project, solve problems, and/or make informed decisions using	a. Identify and define authentic problems and significant questions for investigation. b. Plan and manage activities to develop a	Draw on information from multiple print or digital sources, demonstrating the ability to locate an answer to a question quickly or to solve a problem efficiently (CCSS.ELA-LITERACY.RI.5.7). Ask and answer questions about, recount or describe key ideas or details from a text read aloud or	Identify bias & commercialism (product placement, advertising)

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<p>Summarize information in diverse formats.</p> <p>Identify bias.</p>	<p>resources. <i>(ie chosen image does not match text)</i></p>	<p>digital tools and resources. <i>(ie all elements of media match)</i></p>	<p>appropriate digital tools and resources. <i>(ie dug further to find solutions)</i></p>	<p>solution or complete a project.</p> <p>c. Collect and analyze data to identify solutions and/or make informed decisions.</p> <p>d. Use multiple processes and diverse perspectives to explore alternative solutions.</p>	<p>information presented orally or through other media (CCSS.ELA-LITERACY.RI.5.9).</p> <p>Summarize a written text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally (CCSS.ELA-LITERACY.SL.5.2).</p>	
<p>Digital Citizenship</p> <p>Responsible use of online resources.</p> <p>Positive use of technology for collaboration, learning, and productivity.</p> <p>Ethical and legal use of information.</p> <p>Online safety.</p>	<p>Project demonstrates emerging safety precautions, mostly positive attitude and use of technology, and/or leadership, when using online resources. When appropriate, no citations noted.</p>	<p>Project demonstrates acceptable safety precautions, positive attitude and use of technology, leadership, and/or ethical guidelines when using online resources. When appropriate, citations could be noted orally.</p>	<p>Project demonstrates exceptional safety precautions, very positive attitude and use of technology, leadership, and/or follows legal/ethical guidelines when using online sources. When appropriate, citations noted in writing.</p>	<p>a. Advocate and practice safe, legal, and responsible use of information and technology.</p> <p>b. Exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity.</p> <p>c. Demonstrate personal responsibility for lifelong learning.</p>	<p>Recall relevant information from experiences or gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work, and provide a list of sources. (CCSS.ELA-LITERACY.CCRA.W.5.8)</p>	<p>Demonstrate ethical & legal use of information by citing sources using a prescribed format (simplified citation)</p> <p>Practice safe & ethical behaviors when communicating and interacting with others (safe information to share online, appropriate language use, utilizing appropriate sites and materials, respecting diverse perspectives)</p>

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				d. Exhibit leadership for digital citizenship.		
Technology Operations and Concepts Effective use of technology. Transfer knowledge to learn new technologies. Keyboarding skills.	Project demonstrates emerging use of required technology. Able to use it but errors may be present. <i>(ie picture half off screen)</i>	Project demonstrates acceptable use of required technology. Able to correctly use the available technology. <i>(ie puppet stays on screen and moves when speaking)</i>	Project demonstrates exceptional use of technology. Uses a new feature of the technology or uses it in a new way. Where appropriate student-transferred knowledge to new technologies. <i>(ie using iPad to take picture in new environment)</i>	a. Understand and use technology systems. b. Select and use applications effectively and productively. c. Troubleshoot systems and applications. d. Transfer current knowledge to learning of new technologies.	Demonstrate sufficient command of keyboarding skills to type a minimum of one page in a single sitting (CCSS.ELA-LITERACY.W.4.6) Demonstrate sufficient command of keyboarding skills to type a minimum of two pages in a single sitting (CCSS.ELA-LITERACY.W.5.6)	
Point Total						

International Society for Technology in Education student standards: <http://www.iste.org/standards/nets-for-students/nets-student-standards-2007.aspx>

Common Core State Standards for English Language Arts & Literacy in History/Social Studies, Science, and Technical Subjects: http://www.corestandards.org/assets/CCSSI_ELA%20Standards.pdf

Nebraska State Multiple Literacy Standards: <http://nlc1.nlc.state.ne.us/epubs/E2000/R059-2009.pdf>