

# Emerging Technologies

Stage 1 Desired Results		
<p>ESTABLISHED GOALS:</p> <p><u>Competencies:</u></p> <ul style="list-style-type: none"> <li>• Students will demonstrate the ability to use technology in order to create and publish real world products.</li> <li>• Students will demonstrate the ability to analyze new technologies in order to make informed decisions.</li> <li>• Students will demonstrate the ability to analyze and summarize text and integrate knowledge to make meaning of discipline-specific materials.</li> <li>• Students will demonstrate the ability to produce coherent and supported writing in order to communicate effectively for a range of discipline-specific tasks, purposes, and audiences.</li> <li>• Students will demonstrate the ability to speak purposefully and effectively by strategically making decisions about content, language use, and discourse style.</li> </ul> <p><u>Content Standards:</u> ISTE - International Society for Technology in Education</p> <ul style="list-style-type: none"> <li>• <u>ISTE Standard 1:</u> Students leverage technology to take an active role in choosing, achieving and demonstrating competency in their learning goals, informed by the learning sciences.</li> <li>• <u>ISTE Standard 2:</u> Students recognize the rights, responsibilities and opportunities of living, learning and working in an interconnected digital world, and they act and model in ways that are safe, legal and ethical.</li> <li>• <u>ISTE Standard 3:</u> Students critically curate a variety of resources using digital tools to construct knowledge, produce creative artifacts and make meaningful learning experiences for themselves and others.</li> <li>• <u>ISTE Standard 4:</u> Students use a variety of technologies within a design process to identify and solve problems by creating new, useful or imaginative solutions.</li> <li>• <u>ISTE Standard 5:</u> Students develop and employ strategies for understanding and solving problems in ways that leverage the power of technological methods to develop and test solutions.</li> <li>• <u>ISTE Standard 6:</u> Students communicate clearly and express themselves creatively for a variety of purposes using the platforms, tools, styles, formats and digital media appropriate</li> </ul>	<b>Transfer</b>	
	<p><i>Students will be able to independently use their learning to <b>communicate and collaborate using appropriate digital tools and resources.</b></i></p>	
	<b>Meaning</b>	
	<p>ENDURING UNDERSTANDINGS <i>Students will understand that...</i></p> <ul style="list-style-type: none"> <li>• technology influences people, culture, and society.</li> <li>• people, culture, and society influence technology.</li> <li>• technology is ever changing.</li> </ul>	<p>ESSENTIAL QUESTIONS</p> <ul style="list-style-type: none"> <li>• How can new technology change one's thinking?</li> </ul>
<b>Acquisition</b>		
	<p><i>Students will know...</i></p> <ul style="list-style-type: none"> <li>• that digital tools can assist in communication and collaboration including at a distance.</li> <li>• that collective intelligence increases productivity.</li> <li>• that knowledge and creativity is necessary for innovation.</li> <li>• lifelong learning is important to being a digital citizen.</li> <li>• there are consequences for online actions.</li> </ul> <p><u>vocabulary:</u> blog, wiki, social media, bookmarking, animate, text-to-speech, screencast, virtual reality, digital footprint</p>	<p><i>Students will be skilled at...</i></p> <ul style="list-style-type: none"> <li>• understanding the fundamental concepts of technology operations, demonstrating the ability to choose, use and troubleshoot current technologies and are able to transfer their knowledge to explore emerging technologies.</li> <li>• engaging in positive, safe, legal and ethical behavior when using technology, including social interactions online or when using networked devices.</li> <li>• curating information from digital sources using a variety of tools and methods to create collections of artifacts that demonstrate meaningful connections or conclusions.</li> <li>• exhibiting a tolerance for ambiguity, perseverance and the capacity to work with open-ended problems.</li> <li>• collecting data or identifying relevant data</li> </ul>

<p>to their goals.</p> <ul style="list-style-type: none"> <li>• <u>ISTE Standard 7</u>: Students use digital tools to broaden their perspectives and enrich their learning by collaborating with others and working effectively in teams locally and globally.</li> </ul>		<p>sets, using digital tools to analyze them, and representing data in various ways to facilitate problem-solving and decision-making.</p> <ul style="list-style-type: none"> <li>• choosing the appropriate platforms and tools for meeting the desired objectives of their creation or communication.</li> <li>• using collaborative technologies to work with others, including peers, experts or community members, to examine issues and problems from multiple viewpoints.</li> </ul>
<p><b>Content Area Literacy Standards</b></p>		<p><b>21<sup>st</sup> Century Skills</b></p>
<p>RST.11-12.3 Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text</p> <p>RST.11-12.4 Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to <i>grades 11-12 texts and topics</i>.</p> <p>WHST.9-10.4 Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.</p> <p>WHST.11-12.6 Use technology, including the Internet, to produce, publish, and update individual or shared writing products in response to ongoing feedback, including new arguments or information.</p>		<ul style="list-style-type: none"> <li>• Reason effectively</li> <li>• Make judgments and decisions</li> <li>• Solve problems</li> <li>• Think creatively</li> <li>• Work creatively with others</li> <li>• Communicate clearly</li> <li>• Collaborate with others</li> <li>• Create media products</li> <li>• Apply technology effectively</li> <li>• Adapt to change</li> <li>• Be flexible</li> <li>• Be self-directed learners</li> <li>• Interact effectively with others</li> </ul>

## Stage 2 - Evidence

<i>Evaluative Criteria</i>	<i>Assessment Evidence</i>
	PERFORMANCE TASK(S):
	OTHER EVIDENCE:

## Stage 3 – Learning Plan

*Summary of Key Learning Events and Instruction*

<i>Language Arts Integration</i>	<i>Mathematics Integration</i>
<ul style="list-style-type: none"><li>• 1.OA.1 Use</li></ul>	<ul style="list-style-type: none"><li>• 1.OA.1 Use</li></ul>
<i>Technology Integration</i>	<i>District Materials</i>
<ul style="list-style-type: none"><li>• 1.OA.1 Use</li></ul>	