

## CRE and 7e Excellence

	CReaTE Levels	<b>C</b> ognitive Complexity <small>(Bloom's Cognitive Processes in parentheses)</small>	<b>R</b> eal World	<b>E</b> ngagement	<b>T</b> echnology Integration	
<b>Lower Cognitive Complexity</b>	<b>Level 1 Knowing</b>	<ul style="list-style-type: none"> <li>Teacher directs student interaction with content/standard at <b>REMEMBER</b> level (Recognizing; Recalling)</li> </ul>	<ul style="list-style-type: none"> <li><u>Non-relevant</u> problems using textbook/worksheets</li> </ul>	<ul style="list-style-type: none"> <li><u>Teacher lecture</u> or questioning and students take notes <b>OR</b></li> <li><u>One correct answer</u> expected</li> </ul>	<ul style="list-style-type: none"> <li>Code 0 for no technology</li> </ul>	<b>Teacher-Directed</b>
	<b>Level 2 Practicing</b>	<ul style="list-style-type: none"> <li>Teacher directs student interaction with content/standard at <b>UNDERSTAND</b> level (Interpreting; Exemplifying; Classifying; Summarizing; Inferring; Comparing; Explaining) and <b>APPLY</b> (Executing; Implementing)</li> </ul>	<ul style="list-style-type: none"> <li>Provide some application to real world using <u>real objects or topics</u></li> </ul>	<ul style="list-style-type: none"> <li>Students engaged in a <u>task directed by the teacher</u></li> <li><b>AND</b></li> <li><u>Multiple solutions</u> for one task are accepted</li> </ul>	<ul style="list-style-type: none"> <li>Students use technology for <u>Understand</u> or <u>Apply</u> thinking tasks <b>OR</b></li> <li>Students use technology for <u>gathering information</u></li> </ul>	
<b>Higher Cognitive Complexity</b>	<b>Level 3 Investigating</b>	<ul style="list-style-type: none"> <li><u>Teacher directs</u> student interaction with content/standard at an <b>ANALYZE</b> level (Differentiation; Organizing; Attributing), <b>EVALUATE</b> level (Checking; Critiquing), or <b>CREATE</b> level (Generating; Planning; Producing)</li> </ul>	<ul style="list-style-type: none"> <li>Learning <u>simulates the</u> real-world (such as a class store or assuming the role of a political commentator)</li> </ul>	<ul style="list-style-type: none"> <li>Student choice for task <b>AND</b></li> <li>Task differentiated by content, process, and/or product (such as addressing learning preferences, interests, or ability levels).</li> </ul>	<ul style="list-style-type: none"> <li>Technology use appears to be an <u>add-on</u> or alternative—not essential for task completion <b>AND</b></li> <li>Students use technology for <u>Analyze</u>, <u>Evaluate</u>, or <u>Create</u> thinking tasks.</li> </ul>	<b>Student-Directed</b>
	<b>Level 4 Integrating</b>	<ul style="list-style-type: none"> <li><u>Student-generated</u> questions/projects with content/standard at <b>ANALYZE</b> level (Differentiation; Organizing; Attributing), <b>EVALUATE</b> (Checking; Critiquing), or <b>CREATE</b> level (Generating; Planning; Producing)</li> </ul>	<ul style="list-style-type: none"> <li>Learning emphasizes and impacts the classroom, school, or community <b>AND</b></li> <li>Learning is integrated across subject areas</li> </ul>	<ul style="list-style-type: none"> <li>Students partner with the teacher to define the content, process, and/or product <b>AND</b></li> <li>Student <u>inquiry-based</u> approach <b>AND</b></li> <li>Students <u>collaborate with other</u> students</li> </ul>	<ul style="list-style-type: none"> <li>Student technology use:                             <ul style="list-style-type: none"> <li>is <u>embedded in content and essential</u> to project completion <b>AND</b></li> <li>promotes <u>collaboration among students and partnership with teacher</u> <b>AND</b></li> <li>helps them <u>solve authentic problems</u> at the Analyze, Evaluate, or Create levels.</li> </ul> </li> </ul>	
	<b>Level 5 Specializing</b>	<ul style="list-style-type: none"> <li><u>Student-generated</u> questions/projects with content/standard at <b>CREATE</b> level (Generating; Planning; Producing) <b>AND</b></li> <li>Complex <u>thinking like a content expert</u> <b>OR</b> open-ended, global learning emphasis</li> </ul>	<ul style="list-style-type: none"> <li>Learning has a positive <u>impact on a national or global</u> issue or problem <b>AND</b></li> <li><u>Collaborates with experts</u> in a field or discipline</li> </ul>	<ul style="list-style-type: none"> <li>Students <u>initiate their own inquiry-</u> based learning projects; thorough immersion; full implementation from topic to solution <b>AND</b></li> <li>Students <u>initiate appropriate collaborations</u> pertaining to their project</li> </ul>	<ul style="list-style-type: none"> <li>Student-directed technology use:                             <ul style="list-style-type: none"> <li>is <u>seamlessly integrated in content at the</u></li> <li><b>Create</b> level <b>AND</b></li> <li>has <u>several technologies</u> <b>AND</b></li> <li>include _____ <u>expert</u></li> <li>and/or <u>global organizations</u> to find solutions to an in-depth “real” problem</li> </ul> </li> </ul>	