

Competency taught	Playing Minecraft	Playing with Lego	Playing “Settlers of Catan” board game
Knows how to learn	<ul style="list-style-type: none"> <li>• Get models for building new things.</li> <li>• No built-in instructions.</li> <li>• Must work with interface to experiment.</li> </ul>	<ul style="list-style-type: none"> <li>• Learn which blocks fit together the best.</li> </ul>	<ul style="list-style-type: none"> <li>• Learn how to read game instructions.</li> </ul>
Can apply critical thinking	<ul style="list-style-type: none"> <li>• Make decisions such as where to put the floor plan – can’t be next to the forest.</li> <li>• Apply building to a mental conceptual plan.</li> </ul>	<ul style="list-style-type: none"> <li>• Must figure out how to make structure strong.</li> </ul>	<ul style="list-style-type: none"> <li>• Plan where to put settlements and roads to maximize resources.</li> </ul>
Can identify and solve problems	<ul style="list-style-type: none"> <li>• Learn how to manage resources.</li> <li>• Must figure out how to make corners and rounded pieces.</li> </ul>	<ul style="list-style-type: none"> <li>• Must figure out how to make corners and rounded pieces.</li> </ul>	<ul style="list-style-type: none"> <li>• Figure out how to get resources when the dice is not giving them to you</li> </ul>
Can manage information effectively	<ul style="list-style-type: none"> <li>• Use and find online guides for information and building recipes.</li> </ul>	<ul style="list-style-type: none"> <li>• Use the internet to seek out instructions.</li> </ul>	<ul style="list-style-type: none"> <li>• Decide what the next move is – build a road, settlement or trade?</li> </ul>
Can innovate through creativity	<ul style="list-style-type: none"> <li>• Create a world.</li> <li>• Learn to build parts of structure to solve a problem.</li> <li>• Create anything.</li> </ul>	<ul style="list-style-type: none"> <li>• Create anything.</li> </ul>	<ul style="list-style-type: none"> <li>• Invent new ways of negotiating with other players.</li> </ul>
Knows how to create opportunities	<ul style="list-style-type: none"> <li>• Help each other through in-game talk.</li> <li>• Can play in groups or alone.</li> </ul>	<ul style="list-style-type: none"> <li>• Can play in groups or alone.</li> <li>• Can engage in imaginary play with build items.</li> <li>• Can make movies with the items and a camera.</li> </ul>	<ul style="list-style-type: none"> <li>• Find ways of acquiring ports.</li> </ul>



Can apply multiple literacies of math, reading, writing, language and listening	<ul style="list-style-type: none"> <li>• Learn about perimeter and area.</li> <li>• Speak to players outside game through writing or video.</li> <li>• Need to estimate how many blocks required for a structure.</li> <li>• Reading required for online guides.</li> </ul>	<ul style="list-style-type: none"> <li>• Apply spatial geometry and math skills .</li> <li>• Reading instruction sheets.</li> <li>• Need to estimate how many blocks required for a structure.</li> </ul>	<ul style="list-style-type: none"> <li>• Read game instructions.</li> </ul>
Can communicate and work cooperatively with other people	<ul style="list-style-type: none"> <li>• Learn not to wreck others' things.</li> <li>• Build/explore cooperatively.</li> </ul>	<ul style="list-style-type: none"> <li>• Negotiate with others for pieces.</li> </ul>	<ul style="list-style-type: none"> <li>• Negotiate with others for resources.</li> </ul>
Possesses global and cultural understanding	<ul style="list-style-type: none"> <li>• Learn about scarce resources and how to conserve.</li> <li>• Express ideas in models.</li> </ul>	<ul style="list-style-type: none"> <li>• Express ideas in models.</li> </ul>	<ul style="list-style-type: none"> <li>• Learn about resource management.</li> </ul>
Is able to apply career and life skills	<ul style="list-style-type: none"> <li>• Obtain tools.</li> <li>• Must work for resources.</li> <li>• Must build many walls to ward off creatures before one can mine again.</li> </ul>	<ul style="list-style-type: none"> <li>• Enjoy creation.</li> </ul>	<ul style="list-style-type: none"> <li>• Enjoy a well-played game.</li> <li>• Learn how to be a good sport</li> </ul>

