

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



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

