Nebraska CS Standards Alignment with CodeX Curriculum

	Unit 1	Unit 2	Unit 3
HARDWARE/SOFTWARE			
Demonstrate an understanding of the relationship between hardware and software.			
Troubleshoot basic hardware and software problems.	[1]		
Identify major computer components.			
Describe the components and functions of computers and networks.			
Apply strategies for identifying and solving routine problems that occur during everyday computer use.			
COMPUTATIONAL THINKING			
Create algorithms, or series of ordered steps, to solve problems.	[2]		
Decompose a problem into smaller more manageable parts.			
Collect, analyze, and represent data effectively.			
Demonstrate and understanding of how information is represented, stored, and processed by a computer			
Optimize an algorithm for execution by a computer.			
Create simulations/models to understand natural phenomena and test hypotheses.			
Evaluate algorithms by their efficiency, correctness, and clarity.			
PROGRAMMING			
Write programs using visual (block-based) programming languages (scratch, code.org).			
Create and modify animations, and present work to others.			
Write programs using text-based programming languages.	[3]		
Create web pages with a practical, personal, and/or societal purpose.			

[1] Mission 2 and the teachers' manual discuss troubleshooting

[2] These are the remixes

[3] These are all of our lessons