CCR Computer Science Standards	CCR Computer Science Benchmarks (Grades K-2)*
CCR-CS CT 1. **Exhibit computational thinking.**	CCR-CS CT K-2, 1.1 Use technology resources (e.g., puzzles, logical thinking programs) to solve age appropriate problems. [US-CSTA CT K-3, 1.1.]
	CCR-CS CT K-2, 1.2. Use writing tools, digital cameras, and drawing tools to illustrate thoughts, ideas, and stories in a step-by-step manner. [US-CSTA CT K-3, 1.2.]
	CCR-CS CT K-2, 1.3. Understand how to arrange (sort) information into useful order, such as sorting students by birth date, without using a computer. [US-CSTA CT K-3, 1.3.]
	CCR-CS CT K-2, 1.4. Recognize that software is a set of ordered steps created to control computer operations. [US-CSTA CT K-3, 1.4.]
CCR-CS CPP 2. **Know computer programming.**	CCR-CS CPP K-2, 2.1. Construct a set of statements to be acted out to accomplish a simple task (e.g., Turtle instructions). [US-CSTA CPP K-3, 3.4.]
	CCR-CS CPP K-2, 2.2. Gather and organize information using concept-mapping tools, including flow charting. [US-CSTA CPP K-3, 3.6.]
	CCR-CS CPP K-2, 2.3. Construct simple programs using programming languages and tools for this age group (e.g., Scratch).
	CCR-CS CPP K-2, 2.4. Recognize safe and unsafe online behaviors (e.g., identifying which information should or should not be shared online and with whom).
CCR-CS CD 3. **Understand computer hardware and communication systems.**	CCR-CS CD K-2, 3.1. Use standard input and output devices to successfully operate computers and related technologies. [US-CSTA CD K-3, 4.1.]
	CCR-CS CD K-2, 3.2. Recognize that computers are devices that execute programs. [US-CSTA CD 6-9 [K-3], 4.1.]
	CCR-CS CD K-2, 3.3. Demonstrate an appropriate level of proficiency with input and output devices. [US-CSTA CD 3-6 [K-3], 4.1. (Modified)]
	CCR-CS CD K-2, 3.4. Understand the pervasiveness of computers and computing in daily life (e.g., voice mail, downloading videos and audio files, connected devices, wireless internet, mobile computing devices, GPS systems). [US-CSTA CD 3-6 [K-3], 4.2.]
	CCR-CS CD K-2, 3.5. Understand that information is coming to and from a computer from many sources over a network and/or the internet. [US-CSTA CD 3-6 [K-3], 4.4. (Modified)]
	CCR-CS CD K-2, 3.6. Identify factors that distinguish humans from machines. [US-CSTA CD 3-6 [K-3], 4.5.]
	CCR-CS CD K-2, 3.7. Recognize that computers are devices that execute programs. [US-CSTA CD 6-9 [K-3], 4.1.]

*CSTA source noted in brackets is 2011 version of national standards