



# Indiana Department of Education

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## Kindergarten - Grade 2 Computer Science Correlation Guide 2022 Science Indiana Academic Standards to 2016 Indiana Academic Standards

Data & Information (DI)	
2022 Academic Standard	2016 Academic Standard
<b>K-2.DI.1:</b> In order to solve a problem, sort information into a useful order.	<b>K-2.DI.2</b> Understand how to arrange (sort) information into useful order, such as sorting students by birth date, without using a computer.
<b>K-2.DI.2:</b> Identify and collect data using digital tools (e.g., take pictures of all blue items, create a document with things that start with “a”).	<b>K-2.DI.2</b> Understand how to arrange (sort) information into useful order, such as sorting students by birth date, without using a computer.
<b>K-2.DI.3:</b> Define stored information as data and when appropriate, copy, search, retrieve, modify, and delete it.	
<b>K-2.DI.4:</b> Model that data can be stored and manipulated using numbers or symbols to represent information.	<b>K-2.DI.3</b> Recognize that software is created to control computer operations.
<b>K-2.DI.5:</b> Organize and present data in different visual formats such as charts, graphs, and symbols, and identify and describe patterns to make predictions.	<b>K-2.DI.1</b> Use technology resources to solve age-appropriate problems and communicate thoughts, ideas, or stories in a step-by-step manner.
Computing Devices & Systems (CD)	
2022 Academic Standard	2016 Academic Standard
<b>K-2.CD.1:</b> Use appropriate terminology in identifying and describing computer hardware.	<b>K-2.CD.1</b> Use standard input and output devices to operate computers and other technologies.
<b>K-2.CD.2:</b> Describe and troubleshoot basic hardware and software problems using appropriate terminology.	<b>K-2.CD.1</b> Use standard input and output devices to operate computers and other technologies.
<b>K-2.CD.3:</b> Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for the technology they use.	<b>K-2.DI.3</b> Recognize that software is created to control computer operations.
Programs & Algorithms (PA)	
2022 Academic Standard	2016 Academic Standard

<b>K-2.PA.1:</b> Breakdown the steps needed for a desired outcome and plan the order to accomplish the goal.	<b>K-2.PA.3</b> Arrange information using concept mapping tools and a set of statements that accomplish a simple task.
<b>K-2.PA.2:</b> Using age-appropriate vocabulary, explain steps taken and choices made to improve the design of a sequence.	<b>K-2.PA.3</b> Arrange information using concept mapping tools and a set of statements that accomplish a simple task.
<b>K-2.PA.3:</b> Develop programs with sequences and simple loops, to express ideas or address a problem.	
<b>K-2.PA.4:</b> Identify and fix (debug) errors in sequences and simple loops.	
<b>K-2.PA.5:</b> Model daily processes by creating and following algorithms (sets of step-by-step instructions) to complete tasks.	
<b>K-2.PA.6:</b> Give attribution when using the ideas and creations of others while developing programs.	<b>K-2.IC.1</b> Practice responsible digital citizenship (legal and ethical behaviors) in use of technology.

### Networking & the Internet (NI)

2022 Academic Standard	2016 Academic Standard
<b>K-2.NI.1:</b> Explain what passwords are, why they are used, and why it is important to develop strong passwords to protect devices and information.	

### Impact & Culture (IC)

2022 Academic Standard	2016 Academic Standard
<b>K-2.IC.1:</b> Practice digital citizenship by giving credit when using the ideas and creations of others.	<b>K-2.IC.1</b> Practice responsible digital citizenship (legal and ethical behaviors) in use of technology.
<b>K-2.IC.2:</b> Compare and contrast the effects of technology on communities and social interactions.	<b>K-2.IC.2</b> Identify positive and negative social and ethical behaviors for using technology.
<b>K-2.IC.3:</b> Identify expected behaviors for working responsibly with others online.	<b>K-2.IC.1</b> Practice responsible digital citizenship (legal and ethical behaviors) in use of technology.
<b>K-2.IC.4:</b> Keep login information private, and log off of devices appropriately.	<b>K-2.IC.1</b> Practice responsible digital citizenship (legal and ethical behaviors) in use of technology.

## Digital Literacy (DL)

2022 Academic Standard	2016 Academic Standard
<b>K-2.DL.1:</b> Use technology to research and create multimedia products that support learning across the curriculum.	<b>K-2.PA.1</b> Use technology and developmentally appropriate multimedia resources to conduct age-appropriate research and learning across the curriculum.
<b>K-2.DL.2:</b> With support, communicate and work collaboratively with peers using technology.	<p><b>K-2.PA.2</b> Create developmentally appropriate multimedia products with support from teachers, family members, or students.</p> <p><b>K-2.NC.1</b> Use technology to work cooperatively and collaboratively with peers, teachers, and others.</p> <p><b>K-2.NC.2</b> Gather information and communicate electronically with others with support from teachers, family members, or student partners.</p>
<b>K-2.DL.3:</b> Use standard input and output devices to operate computers and other technologies.	<b>K-2.CD.1</b> Use standard input and output devices to operate computers and other technologies.