

Preparing for Tomorrow: Cause and Effect

Computer Science

Computational Thinking

L1:CT.3	Demonstrate how a string of bits can be used to represent alphanumeric information.
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Collaboration

L1:CL.2	Use online resources (e.g., email, online discussions, collaborative web environments) to participate in collaborative problem-solving activities for the purpose of developing solutions or products.
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Computing Practice & Programming

L1:CPP.5	Construct a program as a set of step-by-step instructions to be acted out (e.g., make a peanut butter and jelly sandwich activity).
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L1:CPP.9	Identify a wide range of jobs that require knowledge or use of computing.
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Computers and Communications Devices

L1:CD.6	Recognize that computers model intelligent behavior (as found in robotics, speech and language recognition, and computer animation).
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Community Global, and Ethical Impacts

L1:CI.2	Identify the impact of technology (e.g., social networking, cyber bullying, mobile computing and communication, web technologies, cyber security, and virtualization) on personal life and society.
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English Language Arts

Reading: Literature

CCSS.ELA-LITERACY.RL.7	Explain how specific aspects of a text's illustrations contribute to what is conveyed by the words in a story (e.g., create mood, emphasize aspects of a character or setting).
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Reading: Informational Text

CCSS.ELA-LITERACY.RI.1	Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers.
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CCSS.ELA-LITERACY.RI.5	Use text features and search tools (e.g., key words, sidebars, hyperlinks) to locate information relevant to a given topic efficiently.
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CCSS.ELA-LITERACY.RI.10	By the end of the year, read and comprehend informational texts, including history/social studies, science, and technical texts, at the high end of the grades 2-3 text complexity band independently and proficiently.
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Reading: Foundational Skills

CCSS.ELA-LITERACY.RF.4	Read with sufficient accuracy and fluency to support comprehension.
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Writing

CCSS.ELA-LITERACY.W.5	With guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, and editing.
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Speaking & Listening

CCSS.ELA-LITERACY.SL.5	Create engaging audio recordings of stories or poems that demonstrate fluid reading at an understandable pace; add visual displays when appropriate to emphasize or enhance certain facts or details.
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Language

CCSS.ELA-LITERACY.L.6	Acquire and use accurately grade-appropriate conversational, general academic, and domain-specific words and phrases, including those that signal spatial and temporal relationships (e.g., <i>After dinner that night we went looking for them</i>).
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Fine Arts	
Creating	
MA:Cr2.1	Form, share, and test ideas, plans, and models to prepare for media arts productions.
TH:Cr2.1	a. Participate in methods of investigation to devise original ideas for a drama/theatre work. b. Compare ideas with peers and make selections that will enhance and deepen group drama/theatre work.
Performing/Presenting/Producing	
DA:Pr6.1	a. Identify the main areas of a performance space using production terminology (for example, stage right, stage left, center stage, upstage, downstage). b. Explore simple production elements (costumes, props, music, scenery, lighting, or media) for a dance performed for an audience in a designated specific performance space.
MU:Pr5.1	a. Apply teacher provided and collaboratively developed criteria and feedback to evaluate accuracy of ensemble performances. b. Rehearse to refine technical accuracy, expressive qualities, and identified performance challenges.
TH:Pr5.1	a. Participate in a variety of physical, vocal, and cognitive exercises that can be used in a group setting for drama/theatre work. b. Identify the basic technical elements that can be used in drama/theatre work.
Responding	
DA:Re8.1	a. Select specific context cues from movement. Explain how they relate to the main idea of the dance using basic dance terminology.
MA:Re8.1	Determine the purposes and meanings of media artworks while describing their context.
VA:Re7.1	a. Speculate about processes an artist uses to create a work of art. b. Determine messages communicated by an image.
Connecting	
VA:Cn10.1	Develop a work of art based on observations of surroundings.
Mathematics	
Measurement & Data	
CCSS.MATH.CO NTENT.MD.A.1	Tell and write time to the nearest minute and measure time intervals in minutes. Solve word problems involving addition and subtraction of time intervals in minutes, e.g., by representing the problem on a number line diagram.
CCSS.MATH.CO NTENT.MD.A.2	Measure and estimate liquid volumes and masses of objects using standard units of grams (g), kilograms (kg), and liters (l). Add, subtract, multiply, or divide to solve one-step word problems involving masses or volumes that are given in the same units, e.g., by using drawings (such as a beaker with a measurement scale) to represent the problem.
CCSS.MATH.CO NTENT.MD.A/B .3	Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step "how many more" and "how many less" problems using information presented in scaled bar graphs. <i>For example, draw a bar graph in which each square in the bar graph might represent 5 pets.</i>
CCSS.MATH.CO NTENT.MD.A/B /C.4	Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch. Show the data by making a line plot, where the horizontal scale is marked off in appropriate units— whole numbers, halves, or quarters.
CCSS.MATH.CO NTENT.MD.C.7	Relate area to the operations of multiplication and addition.

CCSS.MATH.CO NTENT.MD.C/D .8	Solve real world and mathematical problems involving perimeters of polygons, including finding the perimeter given the side lengths, finding an unknown side length, and exhibiting rectangles with the same perimeter and different areas or with the same area and different perimeters.
Physical Education and Health	
Motor Skills and Movement	
S1.E5	Performs teacher-selected and developmentally appropriate dance steps and movement patterns.
S1.E6	Performs a sequence of locomotor skills, transitioning from one skill to another smoothly and without hesitation.
S1.E7	Balances on different bases of support, demonstrating muscular tension and extensions of free body parts.
S1.E8	Transfers weight from feet to hands for momentary weight support.
S1.E27	Performs intermediate jump-rope skills (e.g., a variety of tricks, running in and out of long rope) for both long and short ropes.
Health Enhancement & Fitness	
S3.E3	Describes the concept of fitness and provides examples of physical activity to enhance fitness.
Personal and Social Behavior	
S4.E5	Recognizes the role of rules and etiquette in physical activity with peers.
Value of Physical Activity	
S5.E2	Discusses the challenge that comes from learning a new physical activity.
Science	
Life Sciences	
LS3-1	Analyze and interpret data to provide evidence that plants and animals have traits inherited from parents and that variation of these traits exists in a group of similar organisms.
LS3-2	Use evidence to support the explanation that traits can be influenced by the environment.
Social/Emotional Learning	
Responsible Decision Making	
1C.b	Monitor progress on achieving a short-term personal goal.
Social Studies	
U.S. History	
NSS-US.3d6	Investigate the influence of geography on the history of the state or region and identify issues and approaches to problems such as land use and environmental problems.
Geography	
NSS-G.9	The characteristics, distribution, and migration of human populations on Earth's surface
NSS-G.10	The characteristics, distribution, and complexity of Earth's cultural mosaics
NSS-G.11	The patterns and networks of economic interdependence on Earth's surface
NSS-G.12	The processes, patterns, and functions of human settlement
NSS-G.13	How the forces of cooperation and conflict among people influence the division and control of Earth's surface