

Change and Continuity: Structure

Computer Science	
Computational Thinking	
L1:CT.4	Describe how a simulation can be used to solve a problem.
Collaboration	
Computing Practice & Programming	
L1:CPP.6	Implement problem solutions using a blockbased visual programming language.
L1:CPP.10	Gather and manipulate data using a variety of digital tools.
Computers and Communications Devices	
L1:CD.5	Identify factors that distinguish humans from machines.
English Language Arts	
Reading: Literature	
CCSS.ELA-LITERACY.RL.3	Describe how a particular story's or drama's plot unfolds in a series of episodes as well as how the characters respond or change as the plot moves toward a resolution.
CCSS.ELA-LITERACY.RL.9	Compare and contrast texts in different forms or genres (e.g., stories and poems; historical novels and fantasy stories) in terms of their approaches to similar themes and topics.
Reading: Informational Text	
CCSS.ELA-LITERACY.RI.5	Analyze how a particular sentence, paragraph, chapter, or section fits into the overall structure of a text and contributes to the development of the ideas.
CCSS.ELA-LITERACY.RI.6	Determine an author's point of view or purpose in a text and explain how it is conveyed in the text.
Writing	
CCSS.ELA-LITERACY.W.10	Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.
Speaking & Listening	
CCSS.ELA-LITERACY.SL.6	Adapt speech to a variety of contexts and tasks, demonstrating command of formal English when indicated or appropriate.
Language	
CCSS.ELA-LITERACY.L.6	Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases; gather vocabulary knowledge when considering a word or phrase important to comprehension or expression.
Writing in Science & Technical Subjects	
CCSS.ELA-LITERACY.WHS T.9	Draw evidence from informational texts to support analysis, reflection, and research.
Fine Arts	
Creating	
MU:Cr1.1	a Generate simple rhythmic, melodic, and harmonic phrases within AB and ABA forms that convey expressive intent.
TH:Cr1.1	a. Identify possible solutions to staging challenges in a drama/theatre work. b. Identify solutions to design challenges in a drama/theatre work. c. Explore a scripted or improvised character by imagining the given circumstances in a drama/theatre work.

TH:Cr2.1	a. Use critical analysis to improve, refine, and evolve original ideas and artistic choices in a devised or scripted drama/theatre work. b. Contribute ideas and accept and incorporate the ideas of others in preparing or devising drama/theatre work.
Performing/Presenting/Producing	
DA:Pr6.1	a. Recognize needs and adapt movements to performance area. Use performance etiquette and performance practices during class, rehearsal and performance. Post-performance, accept notes from choreographer and make corrections as needed and apply to future performances. b. Compare and contrast a variety of possible production elements that would intensify and heighten the artistic intent of the work. Select choices and explain reasons for the decisions made using production terminology.
MA:Pr6.1	a. Analyze various presentation formats and fulfill various tasks and defined processes in the presentation and/or distribution of media artworks. b. Analyze results of and improvements for presenting media artworks. c. Present the final version of their documented personal composition or arrangement, using craftsmanship and originality to demonstrate an effective beginning, middle, and ending, and convey expressive intent.
Responding	
MU:Re7.1	a. Select or choose music to listen to and explain the connections to specific interests or experiences for a specific purpose. b. Describe how the elements of music and expressive qualities relate to the structure of the pieces. c. Identify the context of music from a variety of genres, cultures, and historical periods.
VA:Re7.1	a. Identify and interpret works of art or design that reveal how people live around the world and what they value. b. Analyze ways that visual components and cultural associations suggested by images influence ideas, emotions, and actions.
Connecting	
DA:Cn10.1	a. Observe the movement characteristics or qualities observed in a specific dance genre. Describe differences and similarities about what was observed to one's attitudes and movement preferences. b. Conduct research using a variety of resources to find information about a social issue of great interest. Use the information to create a dance study that expresses a specific point of view on the topic. Discuss whether the experience of creating and sharing the dance reinforces personal views or offers new knowledge and perspectives
MA:Cn11.1	a. Research and show how media artworks and ideas relate to personal life, and social, community, and cultural situations, such as personal identity, history, and entertainment. b. Analyze and interact appropriately with media arts tools and environments, considering fair use and copyright, ethics, and media literacy.
Mathematics	
The Number System	
CCSS.MATH.CONTENT.6.NS.C.8	Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane. Include use of coordinates and absolute value to find distances between points with the same first coordinate or the same second coordinate.
Statistics & Probability	
CCSS.MATH.CONTENT.6.SP.A.1	Recognize a statistical question as one that anticipates variability in the data related to the question and accounts for it in the answers.

CCSS.MATH.CO NTENT.MD.6.S P.A.2	Understand that a set of data collected to answer a statistical question has a distribution which can be described by its center, spread, and overall shape.
CCSS.MATH.CO NTENT.MD.6.S P.A.3	Recognize that a measure of center for a numerical data set summarizes all of its values with a single number, while a measure of variation describes how its values vary with a single number.
CCSS.MATH.CO NTENT.6.SP.B.4	Display numerical data in plots on a number line, including dot plots, histograms, and box plots.
CCSS.MATH.CO NTENT.6.SP.B.5	Summarize numerical data sets in relation to their context.
Physical Education and Health	
Motor Skills and Movement	
S1.M18	Demonstrates a mature pattern for a modified target game such as bowling, bocce or horseshoes.
S1.M19	Strikes, with an implement, a stationary object for accuracy and distance in activities such as croquet, shuffleboard or golf.
S1.M20	Strikes a pitched ball with an implement with force in a variety of practice tasks.
S1.M21	Catches, with a mature pattern, from different trajectories using a variety of objects in a varying practice tasks.
Health Enhancement & Fitness	
S3.M8	Sets and monitors a self-selected physical activity goal for aerobic and/ or muscle- and bone-strengthening activity based on current fitness level.
S3.M17	Identifies foods within each of the basic food groups and selects appropriate servings and portions for his/ her age and physical activity levels.
S3.M18	Identifies positive and negative results of stress and appropriate ways of dealing with each.
Personal and Social Behavior	
S4.M3	Demonstrates self-responsibility by implementing specific corrective feedback to improve performance
Value of Physical Activity	
S5.M2	Identifies components of physical activity that provide opportunities for reducing stress and for social interaction.
Science	
Physical Sciences	
PS1-1	Develop models to describe the atomic composition of simple molecules and extended structures.
PS1-2	Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred.
PS1-3	Gather and make sense of information to describe that synthetic materials come from natural resources and impact society.
Engineering Design	
ETS1-3	Analyze data from tests to determine similarities and differences among several design solutions to identify the best characteristics of each that can be combined into a new solution to better meet the criteria for success.
English/Science Connections	
CCSS.ELA- LITERACY.RST.9	Compare and contrast the information gained from experiments, simulations, video, or multimedia sources with that gained from reading a text on the same topic.

Social/Emotional Learning	
Self-Management	
1A.b	Apply strategies to manage stress and to motivate successful performance.
Social Studies	
U.S. History	
NSS-US1-1	Comparative characteristics of societies in the Americas, Western Europe, and Western Africa that increasingly interacted after 1450
NSS-US1-2	How early European exploration and colonization resulted in cultural and ecological interactions among previously unconnected peoples
NSS-US2-1	Why the Americas attracted Europeans, why they brought enslaved Africans to their colonies, and how Europeans struggled for control of North America and the Caribbean
NSS-US2-2	How political, religious, and social institutions emerged in the English colonies
NSS-US2-3	How the values and institutions of European economic life took root in the colonies, and how slavery reshaped European and African life in the America
World History	
NSS-WS6-1	How the transoceanic interlinking of all major regions of the world from 1450-1600 led to global transformations
NSS-WS6-2	How European society experienced political, economic, and cultural transformations in an age of global intercommunication, 1450-1750
NSS-WS6-3	How large territorial empires dominated much of Eurasia between the 16th and 18th centuries
NSS-WS6-4	Economic, political, and cultural interrelations among peoples of Africa, Europe, and the Americas, 1500-1750
NSS-WS6-5	Transformations in Asian societies in the era of European expansion
NSS-WS6-6	Major global trends from 1450-1770
English/Social Studies Connections	
CCSS.ELA-LITERACY.RH.9	Analyze the relationship between a primary and secondary source on the same topic.