

Ingenuity and Opportunity: Pitches and Promises

Computer Science	
Computational Thinking	
L1:CT.7	Represent data in a variety of ways including text, sounds, pictures, and numbers.
L1:CT.8	Use visual representations of problem states, structures, and data (e.g., graphs, charts, network diagrams, flowcharts).
Collaboration	
L1:CL.1	Apply productivity/multimedia tools and peripherals to group collaboration and support learning throughout the curriculum.
Computing Practice & Programming	
L1:CPP.2	Use a variety of multimedia tools and peripherals to support personal productivity and learning throughout the curriculum.
L1:CPP.3	Design, develop, publish, and present products (e.g., webpages, mobile applications, animations) using technology resources that demonstrate and communicate curriculum concepts.
Computers and Communications Devices	
L1:CD.4	Use developmentally appropriate, accurate terminology when communicating about technology.
Community Global, and Ethical Impacts	
L1:CI.6	Discuss how the unequal distribution of computing resources in a global economy raises issues of equity, access, and power.
English Language Arts	
Reading: Literature	
CCSS.ELA-LITERACY.RL.2	Determine a theme or central idea of a text and analyze its development over the course of the text; provide an objective summary of the text.
Reading: Informational Text	
CCSS.ELA-LITERACY.RI.2	Determine two or more central ideas in a text and analyze their development over the course of the text; provide an objective summary of the text.
CCSS.ELA-LITERACY.RI.9	Analyze how two or more authors writing about the same topic shape their presentations of key information by emphasizing different evidence or advancing different interpretations of facts.
Writing	
CCSS.ELA-LITERACY.W.4	Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
CCSS.ELA-LITERACY.W.7	Conduct short research projects to answer a question, drawing on several sources and generating additional related, focused questions for further research and investigation.
Speaking & Listening	
CCSS.ELA-LITERACY.SL.5	Include multimedia components and visual displays in presentations to clarify claims and findings and emphasize salient points.
Language	
CCSS.ELA-LITERACY.L.4	Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on <i>grade 7 reading and content</i> , choosing flexibly from a range of strategies.

Writing in Science & Technical Subjects	
CCSS.ELA-LITERACY.WHS T.4	Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
CCSS.ELA-LITERACY.WHS T.7	Conduct short research projects to answer a question (including a self-generated question), drawing on several sources and generating additional related, focused questions that allow for multiple avenues of exploration.
Fine Arts	
Creating	
DA:Cr1.1	a. Compare a variety of stimuli (for example, music, observed dance, literary forms, notation, natural phenomena, personal experience/recall, current news or social events) and make selections to expand movement vocabulary and artistic expression. b. Explore various movement vocabularies to express an artistic intent in choreography. Explain and discuss the choices made using genre-specific dance terminology.
DA:Cr2.1	a. Use a variety of choreographic devices and dance structures to develop a dance study with a clear artistic intent. Articulate reasons for movement and structural choices. b. Determine artistic criteria to choreograph a dance study that communicates personal or cultural meaning. Articulate how the artistic criteria serve to communicate the meaning of the dance.
TH:Cr3.1	a. Demonstrate focus and concentration in the rehearsal process to analyze and refine choices in a devised or scripted drama/theatre work. b. Develop effective physical and vocal traits of characters in an improvised or scripted drama/theatre work. c. Consider multiple planned technical design elements during the rehearsal process for a devised or scripted drama/theatre work.
VA:Cr2.1	a. Demonstrate persistence in developing skills with various materials, methods, and approaches in creating works of art or design. b. Demonstrate awareness of ethical responsibility to oneself and others when posting and sharing images and other materials through the Internet, social media, and other communication formats. c. Apply visual organizational strategies to design and produce a work of art, design, or media that clearly communicates information or ideas
Performing/Presenting/Producing	
MA:Pr4.1	Integrate multiple contents and forms into unified media arts productions that convey consistent perspectives and narratives, such as an interactive video game.
Responding	
VA:Re8.1	Interpret art by analyzing art-making approaches, the characteristics of form and structure, relevant contextual information, subject matter, and use of media to identify ideas and mood conveyed.
Connecting	
DA:Cn11.1	a. Compare, contrast, and discuss dances performed by people in various localities or communities. Formulate possible reasons why similarities and differences developed in relation to the ideas and perspectives important to each social group.
MU:Cn11.1	Demonstrate understanding of relationships between music and the other arts, other disciplines, varied contexts, and daily life.

Mathematics	
Expressions and Equations	
CCSS.MATH.CONTENT.7.EE.A.1	Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients.
CCSS.MATH.CONTENT.7.EE.A.2	Understand that rewriting an expression in different forms in a problem context can shed light on the problem and how the quantities in it are related.
CCSS.MATH.CONTENT.7.EE.B.3	Solve multi-step real-life and mathematical problems posed with positive and negative rational numbers in any form (whole numbers, fractions, and decimals), using tools strategically. Apply properties of operations to calculate with numbers in any form; convert between forms as appropriate; and assess the reasonableness of answers using mental computation and estimation strategies.
CCSS.MATH.CONTENT.7.EE.B.4	Use variables to represent quantities in a real-world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities.
Physical Education and Health	
Motor Skills and Movement	
S1.M4	Passes and receives with feet in combination with locomotor patterns of running and change of direction & speed with competency in invasion games such as soccer or speedball.
S1.M5	Throws, while moving, a leading pass to a moving receiver.
S1.M6	Executes at least one of the following designed to create open space during small-sided game play: pivots, fakes, jab steps.
S1.M7	Performs the following offensive skills with defensive pressure: pivot, give & go, and fakes.
S1.M8	Dribbles with dominant and non-dominant hands using a change of speed and direction in a variety of practice tasks.
Movement and Performance	
S2.M7	Creates open space in net/wall games with a long-handled implement by varying force and direction, and by moving opponent from side to side.
S2.M8	Selects offensive shot based on opponent's location (hit where opponent is not).
S2.M9	Varies the speed and/or trajectory of the shot based on location of the object in relation to the target.
Health Enhancement & Fitness	
S3.M7	Distinguishes between health-related and skill-related fitness.
S3.M15	Designs and implements a program of remediation for 2 areas of weakness based on the results of health-related fitness assessment.
S3.M16	Maintains a physical activity and nutrition log for at least 2 weeks and reflects on activity levels and nutrition as documented in the log.
Personal and Social Behavior	
S4.M6	Demonstrates knowledge of rules and etiquette by self-officiating modified physical activities and games or following parameters to create or modify a dance.
Value of Physical Activity	
S5.M1	Identifies different types of physical activities and describes how each exerts a positive effect on health.

Science	
Life Sciences	
LS1-5	Construct a scientific explanation based on evidence for how environmental and genetic factors influence the growth of organisms.
LS1-6	Construct a scientific explanation based on evidence for the role of photosynthesis in the cycling of matter and flow of energy into and out of organisms.
LS1-7	Develop a model to describe how food is rearranged through chemical reactions forming new molecules that support growth and/or release energy as this matter moves through an organism.
LS1-8	Gather and synthesize information that sensory receptors respond to stimuli by sending messages to the brain for immediate behavior or storage as memories.
English/Science Connections	
CCSS.ELA-LITERACY.RST.2	Determine the central ideas or conclusions of a text; provide an accurate summary of the text distinct from prior knowledge or opinions.
CCSS.ELA-LITERACY.RST.7	Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table)
Social/Emotional Learning	
Responsible Decision Making	
1C.b	Analyze why one achieved or did not achieve a goal.
Social Studies	
U.S. History	
NSS-US5-1	The causes of the Civil War
NSS-US5-2	The course and character of the Civil War and its effects on the American people
NSS-US5-3	How various reconstruction plans succeeded or failed
NSS-US6-1	How the rise of corporations, heavy industry, and mechanized farming transformed the American people
NSS-US6-2	Massive immigration after 1870 and how new social patterns, conflicts, and ideas of national unity developed amid growing cultural diversity
NSS-US6-3	The rise of the American labor movement and how political issues reflected social and economic changes
NSS-US6-4	Federal Indian policy and United States foreign policy after the Civil War
NSS-US7-1	How Progressives and others addressed problems of industrial capitalism, urbanization, and political corruption
English/Social Studies Connections	
CCSS.ELA-LITERACY.RH.2	Determine the central ideas or information of a primary or secondary source; provide an accurate summary of the source distinct from prior knowledge or opinions.
CCSS.ELA-LITERACY.RH.7	Integrate visual information (e.g., in charts, graphs, photographs, videos, or maps) with other information in print and digital texts