

Preparing for Tomorrow: Risk and Reward

Computer Science	
Computational Thinking	
L1:CT.3	Demonstrate how a string of bits can be used to represent alphanumeric information.
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.
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).
L1:CPP.9	Identify a wide range of jobs that require knowledge or use of computing.
Computers and Communications Devices	
L1:CD.6	Recognize that computers model intelligent behavior (as found in robotics, speech and language recognition, and computer animation).
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.
English Language Arts	
Reading: Literature	
CCSS.ELA-LITERACY.RL.1	Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.
CCSS.ELA-LITERACY.RL.10	By the end of the year, read and comprehend literature, including stories, dramas, and poetry, at the high end of the grades 4-5 text complexity band independently and proficiently.
Reading: Informational Text	
CCSS.ELA-LITERACY.RI.1	Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.
Reading: Foundational Skills	
CCSS.ELA-LITERACY.RF.4A	Read grade-level text with purpose and understanding.
Writing	
CCSS.ELA-LITERACY.W.2	Write informative/explanatory texts to examine a topic and convey ideas and information clearly.
Speaking & Listening	
CCSS.ELA-LITERACY.SL.2	Summarize a written text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally.
Language	
CCSS.ELA-LITERACY.L.2	Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.
Fine Arts	
Creating	
MA:Cr2.1	Develop, present, and test ideas, plans, models, and proposals for media arts productions, considering the artistic goals and audience.

MA:Cr3.1	a. Create content and combine components to convey expression, purpose, and meaning in a variety of media arts productions, utilizing sets of associated principles, such as emphasis and exaggeration. b. Determine how elements and components can be altered for clear communication and intentional effects, and refine media artworks to improve clarity and purpose.
VA:Cr1.1	a. Combine ideas to generate an innovative idea for art-making. b. Identify and demonstrate diverse methods of artistic investigation to choose an approach for beginning a work of art.
Performing/Presenting/Producing	
MU:Pr6.1	a Perform music, alone or with others, with expression, technical accuracy, and appropriate interpretation. b Demonstrate performance decorum and audience etiquette appropriate for the context, venue, genre, and style .
TH:Pr6.1	a. Present drama/theatre work informally to an audience.
Responding	
DA:Re9.1	a. Define the characteristics of dance that make a dance artistic and meaningful. Relate them to the elements of dance in genres, styles, or cultural movement practices. Use basic dance terminology to describe characteristics that make a dance artistic and meaningful.
MA:Re9.1	Determine and apply criteria for evaluating media artworks and production processes, considering context, and practicing constructive feedback.
TH:Re9.1	a. Develop and implement a plan to evaluate drama/theatre work. b. Assess how technical elements represent the theme of a drama/theatre work. c. Recognize how a character's circumstances impact an audience's perspective in a drama/theatre work.
Connecting	
VA:Cn10.1	Apply formal and conceptual vocabularies of art and design to view surroundings in new ways through art-making.
Mathematics	
Numbers & Operations in Base Ten	
CCSS.MATH.CO NTENT.NBT.B/C .5/NS.C.5	Fluently multiply multi-digit whole numbers using the standard algorithm.
CCSS.MATH.CO NTENT.NBT.B/C .6/NS.C.6	Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.
CCSS.MATH.CO NTENT.NBT.B.7 /NS.C.7	Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.
Number & Operations - Fractions	
CCSS.MATH.CO NTENT.NF.B.4/ F.B.4	Apply and extend previous understandings of multiplication to multiply a fraction or whole number by a fraction.
CCSS.MATH.CO NTENT.NF.C.5/ F.B.5	Interpret multiplication as scaling (resizing)

CCSS.MATH.CO NTENT.NF.C.6	Solve real world problems involving multiplication of fractions and mixed numbers, e.g., by using visual fraction models or equations to represent the problem.
CCSS.MATH.CO NTENT.NF.C.7	Apply and extend previous understandings of division to divide unit fractions by whole numbers and whole numbers by unit fractions.
Physical Education and Health	
Motor Skills and Movement	
S1.E7	Combines balance and transferring weight in a gymnastics sequence or dance with a partner.
S1.E8	Transfers weight in gymnastics and dance environments.
S1.E9	Applies skill.
S1.E27	Creates a jump-rope routine with a partner, using either a short or long rope.
Health Enhancement & Fitness	
S3.E3	Differentiates between skill-related and health-related fitness.
Personal and Social Behavior	
S4.E5	Critiques the etiquette involved in rules of various game activities.
Value of Physical Activity	
S5.E2	Expresses (via written essay, visual art, creative dance) the enjoyment and/or challenge of a participating in a favorite physical activity.
Science	
Earth and Space Sciences	
ESS1-1	Support an argument that the apparent brightness of the sun and stars is due to their relative distances from the Earth.
ESS1-2	Represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night, and the seasonal appearance of some stars in the night sky.
Social/Emotional Learning	
Relationship Skills	
1C.a	Set a short-term goal and make a plan for achieving it.
Social Studies	
Economics and Financial Literacy	
NSS-E.1G	Know: People often use a portion of their savings to help themselves or their family members build human capital through education or job training. Explain why older family members such as parents might choose to use their savings to support the education and training of younger family members.
NSS-E.1H	Know: Entrepreneurs take the risk of starting a business because they expect to earn profits as their reward, despite the fact that many new businesses can and do fail; Some entrepreneurs gain satisfaction from working for themselves. Name a local business that recently failed as well as a business that has been successful. Speculate on why one business was successful and the other was not. Investigate what causes people to start their own businesses or to become self-employed.
NSS-E.1I	Know: . Interest, dividends, and capital appreciation (gains) are forms of income earned from financial investments. Find the interest rate a bank pays on a savings account. Find the dividend rate paid on a company stock and the percentage that the price of that stock rose or fell in the last year.

NSS-E.1J	Know: Some people receive income support from government because they have low incomes or qualify in other ways for government assistance. Look up government programs such as Medicaid or SNAP (Supplemental Nutrition Assistance Program) and explain the financial situation the programs are addressing.
NSS-E.1K	Know: Social Security is a government program that taxes the income of current workers to provide retirement, disability, and survivor benefits for workers or their dependents. Given information on a worker's income and today's Social Security tax rates, calculate what the worker and the worker's employer will pay in taxes. Find the average benefit paid to a retiree living on Social Security today.
NSS-E.2A	Know: When making choices about what to buy, consumers may choose to gather information from a variety of sources; The quality and usefulness of information provided by sources can vary greatly from source to source; While many sources provide valuable information, some sources provide information that is deliberately misleading. Gather information for an electronic good from sources such as manufacturers' websites, retail websites, and consumer review websites. Explain what information is most helpful in making their decision. Search the Internet and print materials and identify deceptive selling practices.
NSS-E.2B	Know: By understanding a source's incentives in providing information about a good or service, a consumer can better assess the quality and usefulness of the information. Explain why advice from a source such as a salesperson may or may not be useful when deciding which product to buy.