## PENNSYLVANIA CURRICULUM STANDARDS

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**Computer Science** 

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## **COMPUTER SCIENCE**

#### Standards

Section	Specific Expectations	
Standard 1:	Communication and collaboration	
SC.68.CS-CC.1.2	Apply productivity and or multimedia tools for local and global group collaboration.	
	Resources:	
	Ashaware Careers, Geography, History, Language Arts,	
	Math, Music, Science, Social Studies, Library	
	https://www.ashaware.com/subjects.html	
SC.68.CS-CC.1.3	Design, develop, and publish a collaborative digital product using a variety of digital tools and media-rich resources that	
	demonstrate and communicate concepts to inform, persuade, and/or entertain.	
	Resources:	
	Ashaware Careers, Geography, History, Language Arts,	
	Math, Music, Science, Social Studies, Library	
	https://www.ashaware.com/subjects.html	
Section	Specific Expectations	
Standard 2:	The impact of computing resources on local and global society	
SC.912.CS-PC.2.12	Explore a variety of careers to which computing is central.	
	Resources:	
	Ashaware Science -> Technology	
	https://www.ashaware.com/subjects/Science/technology.html	
SC.912.CS-PC.2.3	Discuss and analyze the impact of values and points of view that are	

	presented in media messages (e.g., racial, gender, and political).
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies
	https://www.ashaware.com/subjects.html
SC.912.CS-PC.2.4	Analyze the positive and negative impacts of technology on popular culture and personal life.
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies
	https://www.ashaware.com/subjects.html
Section	Specific Expectations
Standard 3: Evaluation	on of digital information resources
SC.35.CS-PC.3.1	Identify digital information resources used to answer research questions (e.g., online library catalog, online encyclopedias, databases, and websites).
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies, Library
	Math, Music, Science, Social Studies, Library
	https://www.ashaware.com/subjects.html
SC.35.CS-PC.3.2	
SC.35.CS-PC.3.2	https://www.ashaware.com/subjects.html

	Math, Music, Science, Social Studies, Library
	https://www.ashaware.com/subjects.html
SC.35.CS-PC.3.3	Compare digital resources for accuracy, relevancy, and appropriateness.
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies https://www.ashaware.com/subjects.html
SC.68.CS-PC.3.1	Answer research questions using digital information resources.
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies
	https://www.ashaware.com/subjects.html
SC.912.CS-PC.3.1	Evaluate the quality of digital resources for reliability (i.e., currency, relevancy, authority, accuracy, and purpose of digital information).
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies
	https://www.ashaware.com/subjects.html
SC.912.CS-PC.3.2	Evaluate the accuracy, relevance, comprehensiveness, appropriateness, and bias of electronic information resources.
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies
	https://www.ashaware.com/subjects.html

### **ENGLISH LANGUAGE ARTS**

#### 1.1 Foundational Skills

Students gain a working knowledge of concepts of print, alphabetic principle, and other basic conventions.

Students gain a working knowledge of concepts of prin			
	Grade Pre K	Grade K	
Print Concepts	Identify basic features of print.  Differentiate between numbers and letters and letters and letters and letters and letters and lowercase and lowercase letters of the alphabet.  Resources: Ashaware Alphabet: <a href="https://www.ashaware.com/subjects/Alphabet/alphabet-details.html">https://www.ashaware.com/subjects/Alphabet/alphabet-details.html</a>	CC.1.1.K.B  Demonstrate understanding of the organization and basic features of print.  • Follow words left to right, top to bottom, and page by page.  • Recognize that spoken words are represented in written language by specific sequences of letters.  • Understand that words are separated by spaces in print.  • Recognize and name all uppercase and lowercase letters of the alphabet.  Resources:  Ashaware Alphabet: https://www.ashaware.com/subjects/Alphabet/alphabet-details.html  Ashaware Library: https://www.ashaware.com/subjects/Library/librarydetails.html	

#### 1.1 Foundational Skills

Students gain a working knowledge of concepts of print, alphabetic principle, and other basic conventions.

	Grade Pre K	Grade K	Grade 1
Phonological Awareness		Ashaware Alphabet: <a href="https://www.ashaware.co">https://www.ashaware.co</a> m/subjects/Alphabet/alph  abet-details.html  Ashaware Library:	CC.1.1.1.C  Demonstrate understanding of spoken words, syllables, and sounds (phonemes).  Distinguish long from short vowel sounds in spoken singlesyllable words.  Count, pronounce, blend, and segment syllables in spoken and written words.  Orally produce single-syllable words, including consonant blends and digraphs.  Isolate and pronounce initial, medial vowel, and final sounds (phonemes) in spoken singlesyllable words.  Add or substitute individual sounds (phonemes) in onesyllable words to make new words.  Resources: Ashaware Alphabet: https://www.ashaware.com/subjects/Alphabet/alphabet-details.html  Ashaware Library: https://www.ashaware.com/subjects/Library/librarydetails.html

Grade Pre k	Grade K	Grade 1	Grade 2	Grade 4	Grade 5
United Spinors and word skills.  Output  Develop beginning phonics and word skills.  Associat e some letters with their names and sounds.  Identify familiar words and environ mental print.  Resources: Ashaware Alphabet: https://wwww.ashaware.com/subject s/Alphabet/alphabet-details.html	CC.1.1.K.D Know and apply grade-level phonics and word analysis skills in decoding words.  • Demonstrate basic knowledge of one-to-one letter-sound correspondence.  • Associate the long and short sounds with common spellings for the five major vowels.  • Read grade-level high-frequency sight words with automaticity.  • Distinguish between similarly spelled words by identifying the sounds of the letters that differ.  Resources: Ashaware Alphabet: https://www.ashaware.com/subjects/Alphabet/alphabet-details.html Ashaware Library: https://www.ashaware.com/subjects/Library/librarydetails.html	ojects/Library/Horaryactaris.in	common spelling-	words.  Resources: Ashaware Careers, Geography, History, Language	CC.1.1.5.D Know and apply grade- level phonics and word analysis skills in decoding words.  Use combined knowledge of all letter- sound correspondences, syllabication patterns, and morphology to read accurately unfamiliar multisyllabid words.  Resources: Ashaware Careers, Geography, History, Language Arts, Math, Music, Science, Social Studies https://www.ashaware.com. ubjects.html

#### **Progression of Foundational Skills**

Section	Specific Expectations
Print Concepts	
ELA.K.F.1.1	Demonstrate knowledge of the basic concepts of print.
	a. Locate a printed word on a page. Resources: Ashaware Library: https://www.ashaware.com/subjects/Library/library-details.html
	Ashaware Alphabet:
	https://www.ashaware.com/subjects/Alphabet/alphabet-details.html
	b. Distinguish letters from words within sentences. Resources: Ashaware Library: https://www.ashaware.com/subjects/Library/library-details.html
	Ashaware Alphabet:
	https://www.ashaware.com/subjects/Alphabet/alphabet-details.html
	d. Identify parts of a book (front cover, back cover, title page). Resources: Ashaware Library: <a href="https://www.ashaware.com/subjects/Library/library-details.html">https://www.ashaware.com/subjects/Library/library-details.html</a>
	Ashaware Alphabet:
	https://www.ashaware.com/subjects/Alphabet/alphabet-details.html

	f. Identify all upper- and lowercase letters of the alphabet. Resources: Ashaware Alphabet: <a href="https://www.ashaware.com/subjects/Alphabet/alphabet-details.html">https://www.ashaware.com/subjects/Alphabet/alphabet-details.html</a>
	g. Recognize that print conveys specific meaning and pictures may support meaning.
	Resources: Ashaware Library:
	https://www.ashaware.com/subjects/Library/library-details.html Ashaware Alphabet:
	https://www.ashaware.com/subjects/Alphabet/alphabet-details.html
ELA.1.F.1.1	Locate the title, table of contents, names of author(s) and illustrator(s), and glossary of books.
	Resources: Ashaware Library: https://www.ashaware.com/subjects/Library/library-details.html
Section	Specific Expectations
Phonics and Word Analysis	5
ELA.K.F.1.3	Use knowledge of grade-appropriate phonics and word-analysis skills to decode words accurately.
	a. Demonstrate knowledge of the most frequent sound for each consonant.
	Resources: Ashaware Library: https://www.ashaware.com/subjects/Library/library-details.html
	Ashaware Alphabet:

	https://www.ashaware.com/subjects/Alphabet/alphabet- details.html
	b. Demonstrate knowledge of the short and long sounds for the five major vowels.
	Resources: Ashaware Library: https://www.ashaware.com/subjects/Library/library-details.html
	Ashaware Alphabet:
	https://www.ashaware.com/subjects/Alphabet/alphabet-details.html
ELA.1.F.1.3	Use knowledge of grade-appropriate phonics and word-analysis skills to decode words accurately.
	a. Decode words using knowledge of spelling-sound correspondences for common consonant digraphs, trigraphs, and blends.
	Resources:
	Ashaware Library:
	https://www.ashaware.com/subjects/Library/library-details.html
	c. Decode and encode regularly spelled one-syllable words.
	Resources:
	Ashaware Library:
	https://www.ashaware.com/subjects/Library/library-details.html
	e. Decode two-syllable words with regular patterns by breaking the words into syllables.
	Resources:
	Ashaware Library:
	https://www.ashaware.com/subjects/Library/library-detais.html

ELA.2.F.1.3	Use knowledge of grade-appropriate phonics and word-analysis skills to decode words.
	a. Decode words with variable vowel teams (e.g., oo, ea, ou) and vowel diphthongs (e.g., oi, oy, ow).
	Resources:
	Ashaware Library: https://www.ashaware.com/subjects/Library/library-details.html
	b. Decode regularly spelled two-syllable words with long and short vowels.
	Resources: Ashaware Library:
	https://www.ashaware.com/subjects/Library/library-details.html
	c. Decode words with open (e.g., hi, baby, moment) and closed (e.g., bag, sunshine, chop) syllables and consonant -le (e.g., purple, circle, stumble).
	Resources: Ashaware Library:
	https://www.ashaware.com/subjects/Library/library-details.html
	d. Decode words with common prefixes and suffixes.
	Resources: Ashaware Library:
	https://www.ashaware.com/subjects/Library/library-details.html
	e. Decode words with silent letter combinations (e.g., knight, comb, island, ghost
	Resources: Ashaware Library:
	https://www.ashaware.com/subjects/Library/library-details.html

Section	Specific Expectations		
Fluency			
ELA.K.F.1.4	Recognize and read with automaticity grade-level high frequency words.		
	Resources: Ashaware Library: https://www.ashaware.com/subjects/Library/library-details.html		
	Ashaware Alphabet:		
	https://www.ashaware.com/subjects/Alphabet/alphabet-details.html		
ELA.1.F.1.4.	Read grade-level texts with accuracy, automaticity, and appropriate prosody or expression.		
	Resources: Ashaware Library: <a href="https://www.ashaware.com/subjects/Library/library-details.html">https://www.ashaware.com/subjects/Library/library-details.html</a>		
	Ashaware Alphabet:		
	https://www.ashaware.com/subjects/Alphabet/alphabet- details.html		
	a. Recognize and read with automaticity the grade-level sight words.		
	Resources: Ashaware Library:		
	https://www.ashaware.com/subjects/Library/library-details.html		

	Ashaware Alphabet:
	https://www.ashaware.com/subjects/Alphabet/alphabet-
	details.html
ELA.4.F.1.4	Read grade-level texts with accuracy, automaticity, and appropriate prosody or expression.
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies
	https://www.ashaware.com/subjects.html
ELA.5.F.1.4	Read grade-level texts with accuracy, automaticity, and appropriate prosody or expression.
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies
	https://www.ashaware.com/subjects.html
ELA.612.F.2.4	Read grade-level texts with accuracy, automaticity, and appropriate prosody or expression.
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies
	https://www.ashaware.com/subjects.html

### Reading Informational Text

Section Specific Expectations	Sectio	Specific Expectations	
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R.2.1 Structure	R.2.1 Structure	
ELA.K.R.2.1	Use titles, headings, and illustrations to predict and confirm the topic of texts.	
	Resources: Ashaware Library: https://www.ashaware.com/subjects/Library/library-details.html	
	Ashaware Alphabet:	
	https://www.ashaware.com/subjects/Alphabet/alphabet-details.html	
ELA.1.R.2.1	Use <b>text features</b> including titles, headings, <b>captions</b> , <b>graphs</b> , <b>maps</b> , <b>glossaries</b> , and/or illustrations to <b>demonstrate understanding</b> of texts.	
	Resources: Ashaware Library:	
	https://www.ashaware.com/subjects/Library/library-details.html	
	Ashaware Alphabet:	
	https://www.ashaware.com/subjects/Alphabet/alphabet- details.html	
ELA.2.R.2.1	<b>Explain</b> how text features—including titles, headings, captions, graphs, maps, glossaries, and/or illustrations— <b>contribute to the meaning</b> of texts.	
	Resources: Ashaware Library:	
	https://www.ashaware.com/subjects/Library/library-details.html	
	Ashaware Alphabet:	
	https://www.ashaware.com/subjects/Alphabet/alphabet- details.html	

ELA.4.R.2.1	Explain how text features contribute to the meaning and identify the text
	structures of <b>problem/solution</b> , sequence, and description in texts.
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies
	https://www.ashaware.com/subjects.html
ELA.5.R.2.1	Explain how text structures and/or features contribute to the overall meaning of texts.
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies
	https://www.ashaware.com/subjects.html
ELA.6.R.2.1	Explain how <b>individual text sections</b> and/or features <b>convey meaning</b> in texts.
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies
	https://www.ashaware.com/subjects.html
ELA.7.R.2.1	Explain how individual text sections and/or features convey a purpose in texts.
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies
	https://www.ashaware.com/subjects.html
ELA.8.R.2.1	Analyze how individual text sections and/or features convey a purpose and/or meaning in texts.
	Resources:

Ashaware Careers, Geography, History, Language Arts,
Math, Music, Science, Social Studies
https://www.ashaware.com/subjects.html

Section	Specific Expectations
ELA.K.R.2.2	Identify the topic of and multiple details in a text.
	Resources: Ashaware Library: <a href="https://www.ashaware.com/subjects/Library/library-details.html">https://www.ashaware.com/subjects/Library/library-details.html</a>
	Ashaware Alphabet:
	https://www.ashaware.com/subjects/Alphabet/alphabet-details.html
ELA.1.R.2.2	Identify the topic of and <b>relevant</b> details in a text.
	Resources: Ashaware Library: https://www.ashaware.com/subjects/Library/library-details.html
	Ashaware Alphabet:
	https://www.ashaware.com/subjects/Alphabet/alphabet- details.html
ELA.4.R.2.2	Explain how relevant details support the central idea, implied or explicit.
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies <a href="https://www.ashaware.com/subjects.html">https://www.ashaware.com/subjects.html</a>

ELA.5.R.2.2	Explain how relevant details support the <b>central idea(s)</b> , implied or explicit.
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies
	https://www.ashaware.com/subjects.html
ELA.6.R.2.2	<b>Analyze</b> the central idea(s), implied or explicit, <b>and its development throughout</b> a text.
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies
	https://www.ashaware.com/subjects.html
ELA.7.R.2.2	<b>Compare two or more</b> central ideas and their development throughout a text.
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies
	https://www.ashaware.com/subjects.html
ELA.8.R.2.2	Analyze two or more central ideas and their development throughout a text.
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies
	https://www.ashaware.com/subjects.html

Section	Specific Expectations
R.2.3 Author's Purpose and Perspective	

ELA.1.R.2.3	Explain similarities and differences between information provided in visuals and words in an informational text.
	Resources:
	Ashaware Library:
	https://www.ashaware.com/subjects/Library/library-details.html
	Ashaware Alphabet:
	https://www.ashaware.com/subjects/Alphabet/alphabet- details.html
ELA.2.R.2.3	Explain an author's purpose in an informational text.
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies
	https://www.ashaware.com/subjects.html
ELA.3.R.2.3	Explain the development of an author's purpose in an informational text.
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies
	https://www.ashaware.com/subjects.html
ELA.4.R.2.3	Explain an author's perspective toward a topic in an informational text.
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies
	https://www.ashaware.com/subjects.html
ELA.5.R.2.3	Analyze an author's purpose and/or perspective in an informational text.

	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies
	https://www.ashaware.com/subjects.html
ELA.6.R.2.3	Analyze authors' purpose(s) in multiple accounts of the same event or topic.
	Resources:
	Ashaware Careers, Geography, History, Language Arts,
	Math, Music, Science, Social Studies
	https://www.ashaware.com/subjects.html

## MATH

### Standards

Section	Specific Expectations
Number Sense and	Operations
MA.K.NSO.1	Develop an understanding for counting using objects in a set.
MA.K.NSO.1.1	Given a group of up to 20 objects, count the number of objects in that group and represent the number of objects with a written numeral. State the number of objects in a rearrangement of that group without recounting.
	Resource: Ashaware Numbers - > Counting:
	https://www.ashaware.com/subjects/Numbers/ExerciseNum1.html

MA.K.NSO.1.2	Given a number from 0 to 20, count out that many objects.
	Resource:
	Ashaware Numbers - > Counting:
	https://www.ashaware.com/subjects/Numbers/ExerciseNum1.htm
MA.K.NSO.1.4	Compare the number of objects from 0 to 20 in two groups using the terms less than, equal to or greater than.
	Resource:
	Ashaware Numbers
	https://www.ashaware.com/subjects/Numbers/numbers-details.html
MA.K.NSO.3	Develop an understanding of addition and subtraction operations with one-digit whole numbers.
MA.K.NSO.3.1	Explore addition of two whole numbers from 0 to 10, and related subtraction facts.
	Resource:
	Ashaware Numbers
	https://www.ashaware.com/subjects/Numbers/numbers-details.html
MA.K.NSO.3.2	Add two one-digit whole numbers with sums from 0 to 10 and subtract using related facts with procedural reliability.
	Resource:
	Ashaware Numbers
	https://www.ashaware.com/subjects/Numbers/numbers-details.html
MA.K.AR.2	Develop an understanding of the equal sign.

MA.K.AR.2.1	Explain why addition or subtraction equations are true using objects or drawings.
	Resource:
	Ashaware Numbers
	https://www.ashaware.com/subjects/Numbers/numbers-details.html
MA.1.AR.2	Develop an understanding of the relationship between addition and subtraction.
MA.1.AR.2.1	Restate a subtraction problem as a missing addend problem using the relationship between addition and subtraction.
	Example: The equation $12 - 7 = ?$ can be restated as $7 + ? = 12$ to determine the difference is 5.
	Resource:
	Ashaware Numbers
	https://www.ashaware.com/subjects/Numbers/numbers-details.html
Section	Specific Expectations
MA.3.FR.1	Understand fractions as numbers and represent fractions.
MA.3.FR.1.1	Represent and interpret unit fractions in the form 1/n as the quantity formed by one part when a whole is partitioned into n equal parts.
	Example:
	<sup>1</sup> / <sub>4</sub> can be represented as <sup>1</sup> / <sub>4</sub> of a pie (parts of a shape), as 1 out of 4 trees (parts
	of a set) or as ¼ on the number line.
	Resource:
	Ashaware Math -> Fractions:
	https://www.ashaware.com/subjects/Math/MATH4.html
MA.4.FR.1	Develop an understanding of the relationship between different
	fractions and the relationship between fractions and decimals.

Resource:
Ashaware Math -> Fractions:
https://www.ashaware.com/subjects/Math/MATH4.html

# MUSIC

Section	Specific Expectations	
MU.4.H.1.1	Examine and describe a cultural tradition, other than one's own, learned through its musical style and/or use of authentic instruments.	
	Resources:	
	Ashaware Music	
	https://www.ashaware.com/subjects/Music/music-details.html	
MU.4.H.1.3	Identify pieces of music that originated from cultures other than one's own.	
	Resources:	
	Ashaware Music	
	https://www.ashaware.com/subjects/Music/music-details.html	

MU.4.H.2.2	Identify ways in which individuals of varying ages and cultures
	experience music.
	Resources:
	Ashaware Music
	https://www.ashaware.com/subjects/Music/music-details.html
MU.4.F.2.1	Describe roles and careers of selected musicians.
	Resources:
	Ashaware Music
	https://www.ashaware.com/subjects/Music/music-details.html
MU.5.H.1.1	Identify the purposes for which music is used within various cultures.
1410.03111111	ruentily the purposes for which music is used within various cultures.
	Resources:
	Ashaware Music
	https://www.ashaware.com/subjects/Music/music-details.html
MU.5.H.1.3	Compare stylistic and musical features in works originating from
	different cultures.
	Resources:
	Ashaware Music
	https://www.ashaware.com/subjects/Music/music-details.html
MU.5.H.2.1	Examine the contributions of musicians and composers for a specific
	historical period.
	Resources:
	Ashaware Music
	https://www.ashaware.com/subjects/Music/music-details.html
MU.68.H.1.1	Describe the functions of music from various cultures and time
	periods.

	Resources:	
	Ashaware Music	
	https://www.ashaware.com/subjects/Music/music-details.html	
MU.68.H.1.2	Identify the works of representative composers within a specific style or time period.	
	Resources:	
	Ashaware Music	
	https://www.ashaware.com/subjects/Music/music-details.html	
MU.68.H.1.3	Describe how American music has been influenced by other cultures.	
	Resources:	
	Ashaware Music	
	https://www.ashaware.com/subjects/Music/music-details.html	
MU.68.H.1.4	Classify authentic stylistic features in music originating from various cultures.	
	Resources:	
	Ashaware Music	
	https://www.ashaware.com/subjects/Music/music-details.html	
MU.68.H.1.5	Using representative musical works by selected composers, classify compositional characteristics common to a specific time period and/or genre.	
	Resources:	
	Ashaware Music	
	https://www.ashaware.com/subjects/Music/music-details.html	
MU.68.H.2.1	Describe the influence of historical events and periods on music composition and performance.	

	Resources:
	Ashaware Music
	https://www.ashaware.com/subjects/Music/music-details.html
MU.68.H.2.3	Classify the literature being studied by genre, style, and/or time period.
	Resources:
	Ashaware Music
	https://www.ashaware.com/subjects/Music/music-details.html
MU.912.H.1.1	Investigate and discuss how a culture's traditions are reflected through its music.
	Resources:
	Ashaware Music
	https://www.ashaware.com/subjects/Music/music-details.html
MU.912.H.1.4	Analyze how Western music has been influenced by historical and current world cultures.
	Resources:
	Ashaware Music
	https://www.ashaware.com/subjects/Music/music-details.html
MU.912.H.1.5	Analyze music within cultures to gain understanding of authentic
	performance practices.
	Resources:
	Ashaware Music
	https://www.ashaware.com/subjects/Music/music-details.html
MU.912.H.2.1	Evaluate the social impact of music on specific historical periods.
	Resources:
	Ashaware Music

	https://www.ashaware.com/subjects/Music/music-details.html	
MU.912.H.2.3	Analyze the evolution of a music genre.	
	Resources:	
	Ashaware Music	
	https://www.ashaware.com/subjects/Music/music-details.html	

## SCIENCE

Section	Specific Expectations	
Body of Knowledge		
SC.35.CS-PC.2.4	Explain how access to technology helps empower individuals and groups (e.g., gives them access to information, the ability to communicate with others around the world, and allows them to buy and sell things).	
	Resources: Ashaware Careers, Geography, History, Language Arts, Math, Music, Science, Social Studies <a href="https://www.ashaware.com/subjects.html">https://www.ashaware.com/subjects.html</a>	

SC.35.CS-PC.3.1	Identify digital information resources used to answer research	
	questions (e.g., online library catalog, online encyclopedias, databases,	
	and websites).	
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	Resources:	
	Ashaware Careers, Geography, History, Language Arts,	
	Math, Music, Science, Social Studies, Library	
	https://www.ashaware.com/subjects.html	
SC.35.CS-PC.3.2	Gather, organize, and analyze information from digital resources.	
	Resources:	
	Ashaware Careers, Geography, History, Language Arts,	
	Math, Music, Science, Social Studies, Library	
	https://www.ashaware.com/subjects.html	
SC.35.CS-PC.3.3	Compare digital resources for accuracy, relevancy, and	
	appropriateness.	
	Resources:	
	Ashaware Careers, Geography, History, Language Arts,	
	Math, Music, Science, Social Studies, Library	
	https://www.ashaware.com/subjects.html	
MA.K.NSO.3	Develop an understanding of addition and subtraction operations with one-digit whole numbers.	
MA.K.NSO.3.1	Explore addition of two whole numbers from 0 to 10, and related	
	subtraction facts.	
	Resource:	
	Ashaware Numbers	
	https://www.ashaware.com/subjects/Numbers/numbers-details.html	

MA.K.NSO.3.2	Add two one-digit whole numbers with sums from 0 to 10 and subtract using related facts with procedural reliability.
	Resource:
	Ashaware Numbers
	https://www.ashaware.com/subjects/Numbers/numbers-details.html
MA.K.AR.2	Develop an understanding of the equal sign.
MA.K.AR.2.1	Explain why addition or subtraction equations are true using objects or drawings.
	Resource:
	Ashaware Numbers
	https://www.ashaware.com/subjects/Numbers/numbers-details.html
MA.1.AR.2	Develop an understanding of the relationship between addition and subtraction.
SC.6.N.2.3	Recognize that scientists who make contributions to scientific knowledge come from all kinds of backgrounds and possess varied talents, interests, and goals.
	Resources:
	Ashaware Science
	https://www.ashaware.com/subjects/Science/science-details.html
SC.8.E.5.10	Assess how technology is essential to science for such purposes as access to outer space and other remote locations, sample collection, measurement, data collection and storage, computation, and communication of information.
	Resources:
	Ashaware Science:
	Aeronautics

	https://www.ashaware.com/subjects/Science/aeronautics-details.html Astronomy https://www.ashaware.com/subjects/Science/astronomy-details.html
SC.912.N.2.5	Describe instances in which scientists' varied backgrounds, talents, interests, and goals influence the inferences and thus the explanations that they make about observations of natural phenomena and describe that competing interpretations (explanations) of scientists are a strength of science as they are a source of new, testable ideas that have the potential to add new evidence to support one or another of the explanations.
	Resources:
	Ashaware Science: <a href="https://www.ashaware.com/subjects/Science/science-details.html">https://www.ashaware.com/subjects/Science/science-details.html</a>

## SOCIAL STUDIES

Benchmark#	Description	Idea/Standard & Resource(s)
SS.2.C.2.5	Evaluate the contributions of various African	Civic and Political Participation  Resources:
	Americans, Hispanics, Native Americans, veterans, and women.	Ashaware Careers, Geography, History, Language Arts, Math, Music, Science, Social Studies <a href="https://www.ashaware.com/subjects.html">https://www.ashaware.com/subjects.html</a>
SS.4.A.3.5	Identify the significance of Fort Mose as the first	Exploration and Settlement of Florida

	free African community in the United States.	Resource: Ashaware Social Studies: Fort Mose: 1st Free Black Community <a href="https://www.ashaware.com/subjects/SocStud/FortMose.html">https://www.ashaware.com/subjects/SocStud/FortMose.html</a>
SS.5.A.3.3	Describe interactions among Native Americans, Africans, English, French, Dutch, and Spanish for control of North America.	Exploration and Settlement of North America  Resource: Ashaware Social Studies: African, Native & European Interactions https://www.ashaware.com/subjects/ SocStud/InteractionswithANE.html
SS.912.A.2.5	Assess how Jim Crow Laws influenced life for African Americans and other racial/ethnic minority groups.	Understand the causes, course, and consequences of the Civil War and Reconstruction and its effects on the American people.  Resource: Ashaware Social Studies: <a href="https://www.ashaware.com/subjects/SocStud/JimCrow.html">https://www.ashaware.com/subjects/SocStud/JimCrow.html</a>
SS.912.A.3.5	Identify significant inventors of the Industrial Revolution including African Americans and	Analyze the transformation of the American economy and the changing social and political conditions in response to the Industrial Revolution.

	women.	
		Resourced:
		Ashaware Science:
		Inventors
		https://www.ashaware.com/subjects/Scie
		nce/inventors.html
		Technology
		https://www.ashaware.com/subjects/Scie
SS.912.A.7.6	Assess key figures and	nce/technology.html Understand the rise and continuing international
SS.912.A.7.0	organizations in shaping	influence of the United States as a world leader
	the Civil Rights	and the impact of contemporary social and
	Movement and Black	political movements on American life.
	Power Movement.	
		Resources:
		Ashaware Social Studies:
		Civil Rights Issues
		https://www.ashaware.com/subjects/
		SocStud/civil.html
		Three Great M's
		https://www.ashaware.com/subjects/
		SocStud/social2.html
SS.912.W.3.9	Trace the growth of major sub-Saharan African	Recognize significant events, figures, and contributions of Islamic, Meso and
	kingdoms and empires.	South American, and Sub- Saharan
	kingdoms and empires.	African civilizations.
		Resources:
		Ashaware Social Studies:

Ghana Empire
https://www.ashaware.com/subjects/Soc Stud/wscghana.html
Mali Empire
https://www.ashaware.com/subjects/ SocStud/wscmali.html
Songhai Empire
https://www.ashaware.com/subjects/ SocStud/wscsongh.html