Name of Reviewer:			DLCS Curriculum Evaluation Too		6-8	Dat	to:	
Name of Reviewer:			School/District:				.e:	
Name of Curriculum Materials:			Pul	olication I	Date:		Grade Lev	rei(s):
Scale:		- L L						
Not Found Low	N L	_	al literacy and computer science conter ps in the digital literacy and computer :			e found		
Marginal	M		he digital literacy and computer science				d these ga	ps may
Acceptable	Α	Few gaps	in the digital literacy and computer sci	ience con	tent, as de	scribed in the Standards, were found	d and thes	se gaps
High	Н	The digita	al literacy and computer science conter	nt was ful	ly formed	as described in the Standards.		
Overaching Considerations:								
To what extent do the materials:	N-L-M-A-H	Comme	ents:					
Provide a multitude of avenues to								
meet standards (unplugged, online,								
visual, auditory, kinesthetic) Meet accessibility standards								
(physically and digitally)								
Address a variety of comprehension								
levels (Blooms, DOK)								
Guidance for teachers in effectively								
teaching the standards (clear procedures are provided to assist in								
implementation of the materials;								
essential learning material such as								
handouts, student text, and other								
instructional tools provided)								
Provide varied assessment strategies that include:								
Basic response items (e.g.,								
multiple								
choice, matching, true and								
false)								
Performance Assessments								
Reflect, over time, on what and how they have learned								
Project-based Tasks								
Provide opportunities for cross-								
curricular integration								
The resource provides guidance to								
the student regarding practicing and applying the skill using real life								
scenarios/ experiences								
Glossaries, bibliographies, indices,								
appendices, and tables of content are								
included, comprehensive, and easy to								
use								
	Chapter,			Chapter,			Chapter,	
DLCS Grade 6	Pages, Resource	N-L-M-A-H	DLCS Grade 7	Pages, Resource	N-L-M-A-H	DLCS Grade 8	Pages, Resource	N-L-M-A-H
Recurring Standards	Resource		Recurring Standards	Resource		Recurring Standards	Resource	
Safety, Privacy, and Security			Safety, Privacy, and Security			Safety, Privacy, and Security		
R1. Identify, demonstrate, and apply			R1. Identify, demonstrate, and apply			R1. Identify, demonstrate, and		
personal safe use of digital devices.			personal safe use of digital devices.			apply personal safe use of digital		
Land and Fabinal Rabanian			Land and Ethical Debanian			devices.		
Legal and Ethical Behavior R2. Recognize and demonstrate age-			Legal and Ethical Behavior  R2. Recognize and demonstrate age-			Legal and Ethical Behavior R2. Recognize and demonstrate		
appropriate responsible use of digital			appropriate responsible use of digital			age-appropriate responsible use of		
devices and resources as outlined in			devices and resources as outlined in			digital devices and resources as		
school/district rules.			school/district rules.			outlined in school/district rules.		
lune at af Cananatina			lungs at af Communication					
Impact of Computing R3. Assess the validity and identify			R3. Assess the validity and identify			R3. Assess the validity and identify		
the purpose of digital content.			the purpose of digital content.			the purpose of digital content.		
Systems			Systems			Systems		
R4. Identify and employ appropriate			R4. Identify and employ appropriate			R4. Identify and employ		
troubleshooting techniques used to solve computing or connectivity			troubleshooting techniques used to solve computing or connectivity			appropriate troubleshooting techniques used to solve		
issues.			issues.			computing or connectivity issues.		

Collaborative Research	Collaborative Research	Collaborative Research
R5. Locate and curate information	R5. Locate and curate information	R5. Locate and curate information
from digital sources to answer	from digital sources to answer	from digital sources to answer
research questions.	research questions.	research questions.
Digital Tools	Digital Tools	Digital Tools
R6. Produce, review, and revise	R6. Produce, review, and revise	R6. Produce, review, and revise
authentic artifacts that include	authentic artifacts that include	authentic artifacts that include
multimedia using appropriate digital	multimedia using appropriate digital	multimedia using appropriate
tools.	tools.	digital tools.
Computational Thinker	Computational Thinker	Computational Thinker
Abstraction	Abstraction	Abstraction
1. Lemove background details from an everyday process to highlight	1.@reate a function to simplify a task.	1.Design a function using a programming language that
essential properties.	Example: Get a writing utensil, get	demonstrates abstraction.
Examples: When making a sandwich,	paper, jot notes can collectively be	Example: Create a program that
the type of bread, condiments,	named "note taking".	utilizes functions in an effort
meats, and/or vegetables do not		remove repetitive sequences of
affect the fact that one is making a		steps.
sandwich.		
2.Define a process as a function.		2. Explain how abstraction is used
Example: Functions or sets of steps		in a given function.
combined to produce a process:		Example: Examine a set of block-
turning off your alarm + getting out		based code and explain how
of bed + brushing your teeth +		abstraction was used.
getting dressed = morning routine.		
Algorithms	Algorithms	Algorithms
3.@reate pseudocode that uses conditionals.	2. Dreate complex pseudocode using conditionals and Boolean statements.	3.@reate an algorithm using a programming language that
Examples: Using if/then/else (If it is	Example: Automated vacuum	includes the use of sequencing,
raining then bring an umbrella else	pseudocode - drive forward until the	selections, or iterations.
get wet).	unit encounters an obstacle; reverse	Example: Use a block-based or
get wety.	2"; rotate 30 degrees to the left,	script programming language
	repeat.	Step 1: Start
		Step 2: Declare variables a, b and c.
		Step 3: Read variables a, b and c.
		Step 4: If a>b
		of a>c
		Display a is the largest number.
		⊠lse
		Display c is the largest number.
		Else
		₫ b>c
		Display b is the largest number.
		Else
		Display c is the greatest number.
		Step 5: Stop
4.Differentiate between flowcharts	3.@reate algorithms that	Create a function to simplify
and pseudocode.	demonstrate sequencing, selection or	a task.
Example: Flowcharts use shapes to	iteration.	Example: 3^8 = 3*3*3*3*3*3*3;
indicate what to do at each step	Examples: Debit card transactions are	=(Average) used in a spreadsheet
while pseudocode uses text.	approved until the account balance is	to average a given list of grades.
	insufficient to fund the transaction =	
	iteration, do until.	
5. Identify algorithms that make	4.Design a complex algorithm that	
use of sequencing, selection or	contains sequencing, selection or	
iteration.	iteration.	
Examples: Sequencing is doing steps	Examples: Lunch line algorithm that	
in order (put on socks, put on shoes,	contains parameters for bringing your	
tie laces); selection uses a Boolean condition to determine which of two	lunch and multiple options available in the lunch line.	
parts of an algorithm are used (hair is	in the functione.	
dirty? True, wash hair; false, do not);		
iteration is the repetition of part of		
an algorithm until a condition is met		
(if you're happy and you know it clap		
your hands, when you're no longer		
happy you stop clapping).		
Programming and Development	Programming and Development	Programming and Development

6. dentify steps in developing	5.Solve a complex problem using	5.Discuss the efficiency of an
solutions to complex problems using	computational thinking.	algorithm or technology used to
computational thinking.		solve complex problems.
7.Describe how automation works	6.@reate and organize algorithms in	6.Describe how algorithmic
to increase efficiency.	order to automate a process	processes and automation increase
Example: Compare the amount of	efficiently.	efficiency.
time/work to hand wash a car vs.	Example: Set of recipes (algorithms)	
using an automated car wash.	for preparing a complete meal.	
8.@reate a program that initializes a	7.@reate a program that updates the	7.@reate a program that includes
variable.		selection, iteration, or abstraction,
	value of a variable in the program.	
Example: Create a flowchart in which	Examples: Update the value of score	and initializes, and updates, at least
the variable or object returns to a	when a coin is collected (in a	two variables.
starting position upon completion of	flowchart, pseudocode or program).	Examples: Make a game,
a task.		interactive card, story, or
		adventure game.
	8.Pormulate a narrative for each	datental e gamei
	step of a process and its intended	
	result, given pseudocode or code.	
Citizen of a Digital Culture	Citizen of a Digital Culture	Citizen of a Digital Culture
Safety, Privacy, and Security	Safety, Privacy, and Security	Safety, Privacy, and Security
9.Differentiate between a secure	9. Dentify common methods of	8.Compare and contrast common
and a non-secure website including	· · · · · · · · · · · · · · · · · · ·	methods of securing data.
8	securing data.	methous of securing data.
how they affect personal data.	Examples: Permissions, encryption,	
Example: HTTP vs. HTTPS.	vault, locked closet.	
		9. Secure a file or other data.
		Examples: lock spreadsheet cell(s),
		password protect, encrypt.
Lood or deploy lands to a	Lood and Edition Balancia	
Legal and Ethical Behavior	Legal and Ethical Behavior	Legal and Ethical Behavior
10.Describe the causes and effects	10.Explain social engineering,	10.Analyze different modes of
of illegal use of intellectual property	including countermeasures, and its	social engineering and their
as it relates to print and digital	impact on a digital society.	effectiveness.
media, considering copyright, fair	Examples: Phishing, hoaxes,	Examples: Phishing, hoaxes,
use, licensing, sharing, and	impersonation, baiting, spoofing.	impersonation, baiting, spoofing.
attribution.	impersonation, batting, spooning.	impersonation, builting, spooning.
	44 5 4 4 4 4	44 77 1 4 6 10 6
11.Differentiate between	11.Demonstrate positive, safe, legal,	11. Advocate for positive, safe,
appropriate and inappropriate digital	and ethical habits when creating and	legal, and ethical habits when
content and the use of that content.	sharing digital content and identify	creating and sharing digital
	the consequences of failing to act	content.
	responsibly.	Example: Students create a
	responsibily.	· ·
		brochure that highlights the
		consequences of illegally
		downloading media.
Digital Identity	Digital Identity	Digital Identity
12.Define digital permanence.	12.Discuss the impact of data	12.Dite evidence of the positive
, , , , , , , , , , , , , , , , , , ,	permanence on digital identity	and negative effects of data
	, ,	
	including best practices to protect	permanence on personal and
	personal digital footprint.	professional digital identity.
13.Define personal privacy, digital		
footprint, and open communication.		
Impact of Computing	Impact of Computing	Impact of Computing
14.Discuss digital globalization and	13. Dompare and contrast	13.Evaluate the impact of digital
	·	
Internet censorship.	information available locally and	globalization on public perception
Examples: Software that scans a	globally.	and ways Internet censorship can
website for posts about potential	Example: Review an article published	affect free and equitable access to
threats; a person's ability to order a	in the United States and compare to	information.
product directly from a manufacturer	an article on the same subject	
,	published in China.	
in another part of the world; a	published in China.	
student in Africa can take an online		
math course created in the United		
States; web-hosting company		
prevents posting of content.		
15. Dentify emerging technologies in	14.Discuss current events related to	14. Analyze current events related
		,
	emerging technologies in computing	to computing and their effects on
	emerging technologies in computing	to computing and their effects on
	and the effects such events have on	education, the workplace,
computing.		

	15.Discuss unique perspectives and	15.@ritique computational
	needs of a global culture when	artifacts, including options for
	developing computational artifacts,	accessibility for all users, with
	including options for accessibility for	respect to the needs of a global
	all users.	culture.
	Example: Would students create a	
	webpage aimed at reaching a village	
	of users that have no way access to	
	the Internet?	
Global Collaborator	Global Collaborator	Global Collaborator
Creative Communications	Creative Communications	Creative Communications
16.@ommunicate and/or publish	16.Donstruct content designed for	16.Present content designed for
collaboratively to inform others from	specific audiences through an	specific audiences through an
a variety of backgrounds and cultures	appropriate medium.	appropriate medium.
about issues and problems.	Examples: Design a multi-media	Example: Create and share a help
	children's e-book with an appropriate	video for a senior's center that
	readability level.	provides tips for online safety.
	17. Bublish content to be available	17.Dommunicate and publish
	for external feedback.	individually or collaboratively to
		persuade peers, experts, or
		community about issues and
		problems.
Digital Tools	Digital Tools	Digital Tools
17. Type 30 words per minute with	18. Bype 35 words per minute with	18.Eype 40 words per minute with
95% accuracy using appropriate	95% accuracy using appropriate	95% accuracy using appropriate
	, , , ,	
keyboarding techniques.	keyboarding techniques.	keyboarding techniques.
Casial lutanastiana	Carial lutanastiana	Conicl laters sting
Social Interactions	Social Interactions  19. Discuss the benefits and	Social Interaction
18. Define censorship.		19. Critique the impacts of
	limitations of censorship.	censorship as it impacts global
		society.
		Example: Create a presentation
		outlining the social implications of
		limiting access to web content by
		favoring or blocking particular
		products or websites.
	20. Evaluate the validity and	20.Examine an artifact that
	accuracy of a data set.	demonstrates bias through
		distorting, exaggerating, or
		misrepresenting data and redesign
		it using factual, relevant, unbiased
		content to more accurately reflect
		the truth.
Computing Analyst	Computing Analyst	Computing Analyst
Data 10 Though data shangs from a variety	Data	Data
19. Track data change from a variety	21. Dompare common transfer	21.Differentiate types of data
of sources.	protocols.	storage and apply most efficient
Example: Use editing or versioning	Examples: FTP, HTTP	structure.
tools to track changes to data.		Examples: Stack, array, queue,
		table, database.
		22 Encrypt and decrypt various
20. dentify data transferring	22. © ompare data storage structures.	22.Encrypt and decrypt various
20. Edentify data transferring protocols, visualization, and the	22.®ompare data storage structures. Examples: Stack, array, queue, table,	data.
protocols, visualization, and the	Examples: Stack, array, queue, table,	data.
protocols, visualization, and the purpose of data and methods of	Examples: Stack, array, queue, table,	data. Example: Create and decipher a
protocols, visualization, and the purpose of data and methods of storage.	Examples: Stack, array, queue, table,	data. Example: Create and decipher a
protocols, visualization, and the purpose of data and methods of storage. Examples: Using an online collection	Examples: Stack, array, queue, table,	data. Example: Create and decipher a
protocols, visualization, and the purpose of data and methods of storage.  Examples: Using an online collection tool or form to collect data that is	Examples: Stack, array, queue, table,	data. Example: Create and decipher a
protocols, visualization, and the purpose of data and methods of storage.  Examples: Using an online collection tool or form to collect data that is then stored in a spreadsheet or database.	Examples: Stack, array, queue, table,	data. Example: Create and decipher a
protocols, visualization, and the purpose of data and methods of storage.  Examples: Using an online collection tool or form to collect data that is then stored in a spreadsheet or database.  21. Elentify varying data	Examples: Stack, array, queue, table,	data. Example: Create and decipher a
protocols, visualization, and the purpose of data and methods of storage.  Examples: Using an online collection tool or form to collect data that is then stored in a spreadsheet or database.  21. Elentify varying data structures/systems and methods of	Examples: Stack, array, queue, table,	data. Example: Create and decipher a
protocols, visualization, and the purpose of data and methods of storage.  Examples: Using an online collection tool or form to collect data that is then stored in a spreadsheet or database.  21. Elentify varying data structures/systems and methods of classification, including decimal and	Examples: Stack, array, queue, table,	data. Example: Create and decipher a
protocols, visualization, and the purpose of data and methods of storage.  Examples: Using an online collection tool or form to collect data that is then stored in a spreadsheet or database.  21. Edentify varying data structures/systems and methods of classification, including decimal and binary.	Examples: Stack, array, queue, table,	data. Example: Create and decipher a
protocols, visualization, and the purpose of data and methods of storage.  Examples: Using an online collection tool or form to collect data that is then stored in a spreadsheet or database.  21. Elentify varying data structures/systems and methods of classification, including decimal and binary.  Examples: Difference between a bit	Examples: Stack, array, queue, table,	data. Example: Create and decipher a
protocols, visualization, and the purpose of data and methods of storage.  Examples: Using an online collection tool or form to collect data that is then stored in a spreadsheet or database.  21. Edentify varying data structures/systems and methods of classification, including decimal and binary.	Examples: Stack, array, queue, table,	data. Example: Create and decipher a
protocols, visualization, and the purpose of data and methods of storage.  Examples: Using an online collection tool or form to collect data that is then stored in a spreadsheet or database.  21. Elentify varying data structures/systems and methods of classification, including decimal and binary.  Examples: Difference between a bit and a byte, bit representation, pixels.	Examples: Stack, array, queue, table,	data. Example: Create and decipher a
protocols, visualization, and the purpose of data and methods of storage.  Examples: Using an online collection tool or form to collect data that is then stored in a spreadsheet or database.  21. Mentify varying data structures/systems and methods of classification, including decimal and binary.  Examples: Difference between a bit and a byte, bit representation, pixels.	Examples: Stack, array, queue, table,	data. Example: Create and decipher a
protocols, visualization, and the purpose of data and methods of storage.  Examples: Using an online collection tool or form to collect data that is then stored in a spreadsheet or database.  21. Elentify varying data structures/systems and methods of classification, including decimal and binary.  Examples: Difference between a bit and a byte, bit representation, pixels.  22. Summarize the purpose of the American Standard Code for	Examples: Stack, array, queue, table,	data. Example: Create and decipher a
protocols, visualization, and the purpose of data and methods of storage.  Examples: Using an online collection tool or form to collect data that is then stored in a spreadsheet or database.  21. Mentify varying data structures/systems and methods of classification, including decimal and binary.  Examples: Difference between a bit and a byte, bit representation, pixels.	Examples: Stack, array, queue, table,	data. Example: Create and decipher a

23.Discuss how digital devices may	23. Demonstrate the use of a variety	23.Design a digital artifact to
be used to collect, analyze, and	of digital devices individually and	propose a solution for a content-
present information.	collaboratively to collect, analyze,	related problem.
	and present information for content-	Example: Create a presentation
	related problems.	outlining how to create a cost-
		efficient method to melt snow on
		roads during the winter.
24.20mpare and contrast types of	24.Diagram a network given a	24.Dompare and contrast
networks.	specific setup or need.	common methods of cybersecurity.
Examples: Wired, wireless (WiFi),	Examples: Home network, public	Example: Discuss how password
ocal, wide area, mobile, Internet,	network, business network.	protections and encryption are
and intranet.		similar and different.
25.Differentiate between secure	25.Eist common methods of system	
and non-secure systems.	cybersecurity.	
and non secure systems.	Examples: Various password	
	requirements, two factor	
	authentication, biometric,	
	geolocation.	
Modeling and Simulation	Modeling and Simulation	Modeling and Simulation
26.Explain why professionals may	26.@ategorize models based on the	25.@reate a model that represents
use models as logical representations	most appropriate representation of	a system.
of physical, mathematical, or logical	various systems.	Example: Food chain, supply and
systems or processes.		demand.
Example: Students will discuss why		
an engineer may build a model of a		
building before actually constructing		
the building.		
and Summing.		
27. Explain how simulations serve to	27. Edentify data needed to create a	26.@reate a simulation that tests a
implement models.	model or simulation of a given event.	specific model.
·	Examples: When creating a random	Examples: Demonstrate that
	name generator, the program needs	pressure changes with temperature
	access to a list of possible names.	in a controlled environment;
	·	demonstrate that rocket design
		affects the height of a rocket's
		launch; demonstrate that the
		amount of water changes the
		height of a plant.
Innovative Designer	Innovative Designer	Innovative Designer
Human/Computer Partnerships	Human/Computer Partnerships	Human/Computer Partnerships
28.Define assistive technologies and	29.@lassify types of assistive	27. Analyze assistive technologies
state reasons they may be needed.	technologies.	and how they improve the quality
	Examples: Hardware, software, stylus,	of life for users.
	sticky keys.	Example: Research multiple
		speech to text technologies and
		write a persuasive essay in favor of
		one over another.
29.Define artificial intelligence and	30.Dompare and contrast human	28.Develop a logical argument for
dentify examples of artificial	intelligence and artificial intelligence.	and against artificial intelligence.
ntelligence in the community.		Examples: Students debate the use
Examples: Image recognition, voice		of artificial intelligence in self-
assistants.		driving vehicles.
200.000		Students write a persuasive essay
		to argue for or against digital
		personal assistants.
Danisa Thinking	Daries Thistine	Design Thinking
Design Thinking	Design Thinking	Design Thinking  Or Create an artifact to solve a
30.Discuss and apply the	31.图pply the problem-solving	29. Create an artifact to solve a
Overall Impressions:	Comments:	
	Comments:	
Overall Impressions:  What are your overall impressions of the curricu  What are the strengths and weaknesses of the r	ılum	