Name of Reviewer			DLCS Curriculum Evaluation Tool Grades 9-12	Date:
			301001/District.	_ Date.
Name of Curriculum Materials:			Publication Date:	Grade Level(s):
Scale:				
Not Found	N	The digita	l literacy and computer science content was not found.	
Low	L	Major gap	is in the digital literacy and computer science content were found.	
Marginal	M	Gaps in th	e digital literacy and computer science content, as described in the Standards, were four	id and these gaps may
Acceptable	A L	Few gaps	In the digital literacy and computer science content, as described in the standards, were	found and these gaps
i iigii		The digita	Theracy and computer science content was fully formed as described in the standards.	
Overaching Considerations:	1			
To what extent do the materials:	N-L-M-A-H	Comme	nts:	
Provide a multitude of avenues to				
meet standards (unplugged, online,				
Visual, auditory, kinestnetic)				
(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;				
handouts student text and other				
instructional tools provided)				
Provide varied assessment strategies				
that include:				
Basic response items (e.g.,				
multiple				
choice, matching, true and				
talse)				
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				
Glossaries, bibliographies, indices,				
appendices, and tables of content are				
included, comprehensive, and easy to				
use				
	Chanten			
DLCS Grade 9-12	Chapter, Page <u>s</u> ,	N-L-M-A-H	Comments:	
	Resource			
Recurring Standards				
Safety, Privacy, and Security				
R1. Identify, demonstrate, and apply				
Legal and Ethical Behavior				
R2. Recognize and demonstrate age-				
appropriate responsible use of digital				
devices and resources as outlined in				
school/district rules.				
Impact of Computing				
R3. Assess the validity and identify				
the purpose of digital content.				
R4 Identify and employ appropriate				
troubleshooting techniques used to				
solve computing or connectivity				
issues.				
Collaborative Research				

R5. Locate and curate information from digital sources to answer research questions.		
Digital Tools		
R6. Produce, review, and revise		
authentic artifacts that include		
multimedia using appropriate digital		
tools.		
Computational Thinker		
Abstraction		
1.Decompose problems into		
component parts, extract key		
information, and develop descriptive		
models to understand the levels of		
abstractions in complex systems.		
2.Explain how computing systems		
are often integrated with other		
systems and embedded in ways that		
Examples: Millions of lines of code		
control the subsystems within an		
automobile (e.g., antilock braking		
systems, lane detection, and self-		
parking).		
Algorithms		
3.Differentiate between a		
generalized expression of an		
algorithm in pseudocode and its		
concrete implementation in a		
programming language.		
a.Explain that some algorithms do		
not lead to exact solutions in a		
reasonable amount of time and thus		
approximations are acceptable.		
b.Compare and contrast the		
difference between specific control		
structures such as sequential		
statements, conditional, iteration,		
and explain the benefits and		
Grawbacks of choices made.		
implementation readability and		
program performance		
c.Distinguish when a problem		
solution requires decisions to be		
made among alternatives, such as		
selection constructs, or when a		
solution needs to be iteratively		
processed to arrive at a result, such		
as iterative "loop" constructs or		
recursion.		
d.Evaluate and select algorithms		
based on performance, reusability,		
and ease of implementation.		
o Evaluin how more there are		
e.Explain now more than one		
argonium may solve the same		
with different priorities		
Examples: All self-driving cars have a		
common goal of taking a nassenger		
to a designation but may have		
different priorities such as safety.		
speed, or conservation; web search		
engines have their own algorithms		
for search with their own priorities.		

A Lise and adapt classic		
algorithms to solve computational		
problems.		
Examples: Sorting, searching,		
shortest path, and data compression.		
5 Design and iteratively develop		
computational artifacts for practical		
intent, personal expression, or to		
address a societal issue by using		
current events.		
6 Decembers problems into smaller		
components through systematic		
analysis, using constructs such as		
procedures, modules, and/or objects,		
with parameters, and which return a		
result.		
7.20mpare and contrast		
their uses		
Examples: Strings, lists, arrays.		
stacks, queues.		
8.Demonstrate code reuse by		
creating programming solutions using		
libraries and Application		
Programming interfaces.		
the correctness of a program.		
a.Develop and use a series of test		
cases to verify that a program		
performs according to its design		
specifications		
b. Collaborate in a code review		
efficiency, scalability and readability		
of program code.		
10. Resolve or debug errors		
encountered during testing using		
iterative design process.		
Examples: Test for infinite loops,		
check for bad input, check edge-		
Citizen of a Digital Culture		
Safety, Privacy, and Security		
11.Model and demonstrate		
behaviors that are safe, legal, and		
ethical while living, learning, and		
world		
a. Recognize user tracking methods		
and hazards.		
Examples: Cookies, WiFi packet		
sniffing.		
b.Onderstand how to apply		
tracking methods.		
c. Understand the ramifications of		
end-user license agreements and		
terms of service associated with		
granting rights to personal data and		
media to other entities.		
d. Explain the relationship between		
online privacy and personal security.		
Examples: Convenience and		
accessibility, data mining, digital		
marketing, online wallets, theft of		
personal information.		

e. Identify physical, legal, and ethical		
consequences of inappropriate digital		
behaviors.		
Examples: Cyberbullying/harassment,		
inappropriate sexual		
communications.		
f.Explain strategies to lessen the		
impact of negative digital behaviors		
and assess when to apply them.		
12.Describe how sensitive data can		
be affected by malware and other		
attacks.		
13. Dompare various security		
measures of a computer system.		
Examples: Usability, security,		
portability, and scalability.		
14. Dompare ways to protect		
devices, software, and data.		
Legal and Ethical Behavior		
15.Explain the necessity for the		
school's Acceptable Use Policy.		
16. Identify laws regarding the use of		
technology and their consequences		
and implications.		
Examples: Unmanned vehicles, net		
neutrality/common carriers, hacking,		
intellectual property, piracy,		
plagiarism.		
17.Discuss the ethical ramifications		
of malicious hacking and its impact		
on society.		
Examples: Dissemination of		
privileged information, ransomware.		
18.Explain the beneficial and		
harmful effects that intellectual		
property laws can have on		
innovation.		
Digital Identity		
19. Prove that digital identity is a		
reflection of persistent, publicly		
available artifacts.		
20. Evaluate strategies to manage		
La chi a chi		
digital identity and reputation with		
digital identity and reputation with awareness of the permanent impact		
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24. Dompare and contrast internet	
publishing platforms, including	
suitability for media types, target	
audience, and feedback mechanism.	
a. Apply version control capabilities	
within a digital tool to understand	
the importance of managing	
historical changes across suggestions	
made by a collaborative team.	
Digital Tools	
25. Itilize a variety of digital tools to	
create digital artifacts across content	
areas.	
Collaborative Research	
26. Se collaborative technologies to	
work with others including peers,	
experts, or community members to	
examine local, national, and global	
issues and problems from multiple	
viewpoints.	
Social Interaction	
27. Apply tools and methods for	
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Computing Analyst Data	
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What are the strengths and weaknesses of the materials Have you identified gaps within this domain? What are