CompuScholar, Inc.

Alignment to the Mississippi Curriculum Standards

"Information and Communication Technology I"

Mississippi Standards Information:

IT Page	Mississippi Information Technology Education Page
Standards Link:	2020 Information Technology.docx

CompuScholar Course:

Course Title:	**Digital Savvy**, ISBN 978-0-9887070-8-5
	Course Description and Syllabus

Mississippi's ICT I standards cover a mixture of topics over 10 units. CompuScholar's Digital Savvy course can be used as a primary resource for most units.

Mississippi "Information and Communication Technology I" Standards

Unit 1: Introduction to Information Technology	COMPUSCHOLAR ALIGNMENT
1. Research educational, occupational, and leadership opportunities in IT.	Chapter 24
2. Identify, discuss, and apply safety procedures in the computer classroom and lab.	Chapter 24
3. Publish and communicate with peers, experts, and other audiences using technology.	All Chapters

Unit 2: Software	COMPUSCHOLAR ALIGNMENT
1. Compare and contrast commonly used operating systems and their functions and features.	Chapter 3
2. Identify common software applications and the purpose of each.	Chapters 2, 3
3. Demonstrate software management best practices.	Chapter 5

Unit 3: Hardware	COMPUSCHOLAR ALIGNMENT
1. Identify internal computer components and the purpose of each.	Chapter 1
2. Compare and contrast common computer connectors.	Chapters 1, 6

3. Compare and contrast the common computing devices and their purposes	Chapter 1
4. Set up and troubleshoot a basic workstation.	Chapter 5 (Troubleshoot only)

Unit 4: Security	COMPUSCHOLAR ALIGNMENT
1. Analyze basic security threats.	Chapter 8
2. Discuss security best practices.	Chapter 8
3. Explain confidentiality, integrity, and availability.	Chapter 8
4. Describe authentication, authorization, and accounting.	Chapter 8

Unit 5: Small Office and Home Office (SOHO) Networking	COMPUSCHOLAR ALIGNMENT
1. Discuss the advantages of networking.	Chapter 6
2. Set up and configure a basic SOHO router.	N/A
3. Differentiate between the various Internet connections.	Chapter 6
4. Discuss basic networking concepts.	Chapter 6
5. Discuss network file storage types and locations.	N/A
6. Discuss SOHO-networked devices.	Chapter 6

Unit 6: Coding and Database	COMPUSCHOLAR ALIGNMENT
1. Discuss the various programming languages.	Chapter 22
2. Analyze and use the various logic and programming techniques.	Chapters 22, 23
3. Classify fundamental data types and their characteristics.	Chapter 23
4. Utilize a programming language to create a simple program.	Chapters 22, 23
5. Discuss database concepts.	Chapter 9
6. Create a basic database.	Chapter 9

Unit 7: Networking Infrastructures	COMPUSCHOLAR ALIGNMENT
1. Differentiate between the concepts of Internet, intranet, and extranet.	Chapter 6
2. Classify networks based on size.	Chapter 6
3. Examine wireless networking.	Chapter 6
4. Examine network topologies.	Chapter 6

Unit 8: Network Protocols and Services	COMPUSCHOLAR ALIGNMENT
1. Understand network models.	Chapter 6
2. Describe Internet protocol.	Chapter 6
3. Describe network services.	Chapter 6

Unit 9: Network Hardware	COMPUSCHOLAR ALIGNMENT
1. Examine network hardware, including layers 1, 2, and 3 devices.	Chapter 6
2. Recognize network media types.	Chapter 6

Unit 10: Career Development	COMPUSCHOLAR ALIGNMENT
1. Investigate and demonstrate career development skills.	Chapter 24
2. Use appropriate communication skills and professional behavior when communicating with clients and co-workers.	Chapter 24
3. Research opportunities related to IT and participate in field experiences or simulations.	Chapter 24