Computer Department

Semester: 1 **2026-2027**

Grade Level	7	**Subject: Computer**
Teacher(s) Name	Mr. Nader Madi	
Textbook	Our Digi World	

Week #	Dates		Lesson Title / Pages	CCSS / NGSS Code / MOE
1	Aug 31	Sept 4	Network topologies, bandwidth, and diagnostic tools Practical: Introduction to Scratch Interface and Workspace	Systems Engineering: Designing and diagnosing local networks.
2	Sept 7	Sept 11	Physical hardware, data packets, routers, and IP addresses. Practical: Creating Your First Scratch Project	Computing Systems: Analyzing hardware/software collaboration.
3	Sept 14	Sept 18	TCP/IP, DNS, encryption, and securing data in transit. Practical: Understanding Sprites and Backdrops	Cyber Security: Evaluating protocols and network defense.
4	Sept 21	Sept 25	Cloud computing, undersea data cables, and net neutrality. Practical: Using Motion Blocks to Move Sprites	Impact of Tech: Critiquing social and ethical effects of network access.

5	**Sept 28**	**Oct 2**	Cloud-based collaboration tools (Google Workspace/Office 365), real-time co-authoring, and version history control. Practical: Controlling Sprite Direction and Rotation	Digital Productivity Tools: Using cloud systems to collaborate effectively on shared digital artifacts.
6	**Oct 5**	**Oct 9**	Digital etiquette (netiquette), synchronous vs. asynchronous communication, and managing collaborative conflict. Practical: Working with Looks Blocks and Changing Costumes	Communication & Collaboration: Establishing norms for constructive, respectful digital team environments.
	Oct 12	**Oct 16**	**1st Semester Break**	
7	**Oct 19**	**Oct 23**	Access permissions (viewer vs. editor), link sharing security, data privacy, and intellectual property in shared spaces. Practical: Adding Sounds and Audio Effects in Scratch	Cyber Hygiene & Security: Managing data access levels and maintaining privacy during online teamwork.
8	**Oct 26**	**Oct 30**	Digital project management, assigning tasks online, tracking contributions, and aggregating diverse inputs into a final project. Practical: Events and Starting Scripts with Green Flag	Information Systems & Workflow: Organizing online team structures to solve problems and complete projects.
9	**Nov 2**	**Nov 6**	Creating strong passwords, identifying phishing scams, enabling two-factor authentication (2FA), and securing personal accounts. Practical: Using Key Press Events for Interaction	Personal Cyber Security: Implementing defensive practices to protect personal data and identity from online threats.
10	**Nov 9**	**Nov 13**	Active vs. passive digital footprints, data collection by websites/cookies, and how companies track user behavior online.	Data Privacy & Analytics: Analyzing how digital data is

			Practical: Broadcasting Messages Between Sprites	collected, stored, and tracked across the web.
11	**Nov 16**	**Nov 20**	The long-term impact of an online reputation, social media privacy settings, and professional digital branding for future opportunities.	Digital Citizenship & Identity: Managing one's online persona and understanding the permanent nature of digital choices.
			Practical: Introduction to Variables in Scratch	
12	**Nov 23**	**Nov 27**	Cyberbullying, digital ethics, the legal consequences of online behavior, and understanding intellectual property rights online.	Social & Legal Impact: Evaluating the ethical responsibilities and legal boundaries of digital interactions.
			Practical: Creating and Using Variables	
13	**Nov 30**	**Dec 4**	Digital Law and Cyber Ethics: Privacy, Ownership, and Legal Responsibility in ICT	Understanding privacy rights, intellectual property, and legal responsibility when using digital technologies
			Practical: Using Data Types in Scratch (Numbers and Text)	
14	**Dec 7**	**Dec 11**	Cybersecurity Laws and Regulations: Protecting Data in a Digital World	Exploring how laws and regulations protect data, systems, and users from cyber threats
			Practical: Using Operators for Calculations	
	Dec 14	**Jan 1**	**Winter Break for All Students**	
15	**Jan 4**	**Jan 8**	Social Media and Society: The Positive and Negative Impacts of ICT on Human Behavior	

			Practical: Using Comparison Operators in Conditions	Analyzing how social media and ICT influence communication, behavior, and society
16	**Jan 11**	**Jan 15**	Digital Citizenship and Ethical Use of Technology in the Modern Era Practical: Introduction to Conditional Statements (If/Else)	Developing responsible and ethical behavior when using digital tools and online platforms
17	**Jan 18**	**Jan 22**	**Semester 1 Exams**	
18	**Jan 25**	**Jan 29**	**Semester 1 Exams**	