Program Timeline, Events, Topics, Activities, Format and Instructional Hours

Timeline		Proposed Events	Format	Intensive Instructional Hours
		Theme and Topics		
Pre-Camp Outreach	May	**Camp Orientation** • Overview of the GenCyber program • Introduction of camp personnel & teachers • Review schedule and topics • Share camp curriculum materials • Invited talks given by previous GenCyber teacher participants • Employment paperwork • Initiation surveys	Virtual (Zoom)	3
Summer Camp	Monday	**Cybersecurity** • Activity 1.1: Icebreaker • Activity 1.2: Videos (Cybersecurity, The Internet: Cybersecurity & Crime, and Computer Viruses and Threats) • Activity 1.3: Cybersecurity discussions and case studies • Introduction to Mobile Security • Activity 1.4: Mobile security case studies • Lab 1.1: Pictures may leak your location • Lab 1.2: Get location by HTML5 • Activity 1.5: Invited speaker • Activity 1.6: Kahoot! • Activity 1.7: Support developing lesson • Activity 1.8: Team discussion and lesson plan	Face to Face	6.5
	Tuesday	**Cryptography** • Activity 2.1: Videos (The Internet: Encryption & Public Keys, and Cyber code) • Lab 2.1: Caesar Cipher using Scratch • Lab 2.2: Caesar Cipher using Python • Activity 2.2: Scavenger Hunt • Activity 2.3: Games (public key cryptography and information hiding) • Activity 2.4: Taboo • Activity 2.5: Individual lesson plan	Face to Face	6.5
	Wednesday	**Cybersecurity Ethics and Online Behavior** • Activity 3.1: Video (The Secret Lives of Hackers) • Activity 3.2: Cyberbullying workshop • Activity 3.3: Cyberbullying case studies and discussions • Activity 3.4: Online behavior posters • Activity 3.5: Game (Nova Labs) • Activity 3.6: Kahoot! • Invited speaker • Activity 3.7: Team discussion and lesson plan	Face to Face	6.5
	Thursday	**Programming** • Lab 4.1: Scratch (Grades K-5 teachers) • Lab 4.2: Python (Grades 6-8 teachers) • Lab 4.3: Finch Robotics (All teachers) • Lab 4.4: Java (Grades 9-12 teachers) • Invited speaker • Activity 4.1: Kahoot! • Activity 4.2: Support developing lesson • Activity 4.3: Individual lesson plan	Face to Face	6.5
	Friday	**Cybersecurity Lesson Plan Presentation and Certificate Ceremony** • Activity 5.1 Individual lesson plan • Activity 5.2 Follow-up plan • Activity 5.3 Lesson plan and follow-up plan presentation • Exit surveys & Certificate ceremony	Face to Face	6.5

		Monthly Teaching Workshops • Review 1-3 theme topic(s) • Discuss about the experiences and lessons in implementation • Provide technical support • Invited talks given by previous GenCyber teacher participants • Q & A, and Surveys	Virtual (Zoom)	17 (In Total)
Post Camp Outreach	**September-February**			
	September	**Theme 1:** Cybersecurity Ethics and Online Behavior **Theme 2:** Awareness of Opportunities in Cybersecurity **Theme 3:** Cybersecurity Clubs	Zoom	3
	October	**Theme 4:** First Principles	Zoom	3
	November	**Theme 5:** Cybersecurity	Zoom	3
	December	**Theme 6:** Cryptography	Zoom	3
	January	**Theme 7:** Programming (Scratch/Python/Java)	Zoom	3
	February	**Theme 8:** Summary of ALL Topics and Exit Survey	Zoom	2