

Innovera Kids Academy

Course Outline

Introduction to Cybersecurity for Kids

Format: 8 sessions, approx. 60–90 minutes each

Suggested Age Group: 8–13 years

Course Description: A friendly, story-driven introduction to online safety. Students learn to think like both a defender and a would-be attacker — building strong passwords, spotting scams, protecting privacy, and even cracking secret codes — culminating in a capstone "Cyber Defender" challenge.

Session-by-Session Breakdown

Session	Title	Topics & Learning Objectives	Hands-On Project / Activity
1	What Is Cybersecurity?	Define cybersecurity and why it matters to everyone, including kids Meet the roles: hackers vs. security experts ("white hat" vs "black hat") Real-world examples: data breaches, viruses, scams (age-appropriate)	"Spot the Risk" — group discussion identifying everyday digital risks
2	Password Power & Authentication	What makes a password strong vs. weak Two-factor authentication (2FA) explained simply Intro to password managers	Password Strength Lab: build and stress-test strong passwords/passphrases
3	Spotting Phishing & Online Scams	What phishing is and how social engineering tricks people Red flags in emails, texts, and links	"Phishing Detective": sort real vs. fake sample messages
4	Staying Safe Online & on Social Media	Privacy settings and safe sharing habits Understanding your "digital footprint" Stranger-danger awareness in online spaces and games	Build a personal "Privacy Checklist" and audit a sample profile
5	Malware, Viruses & Protection	What malware, viruses, and worms are and how they spread Role of antivirus software and safe downloading habits	"Virus Detective" simulation: trace how a sample malware spreads and stop it
6	Cyberbullying & Digital Citizenship	Recognizing and responding to cyberbullying Being a good digital citizen and online etiquette	Design a "Digital Citizenship Pledge" poster or class charter
7	Intro to Cryptography & Secret Codes	History of codes and ciphers How the Caesar cipher and simple encoding work	Build a Cipher Wheel and exchange encoded secret messages
8	Capstone Project: Cyber Defender Challenge	Review of all cybersecurity concepts covered Apply knowledge to realistic "choose safe action" scenarios	Scenario-based Cyber Defender Challenge, quiz, and certificate ceremony