

Printable Materials

Ready-to-Print Worksheets and Resources

Overview

These materials are designed for immediate printing and classroom distribution. Each resource is available in PDF format optimized for standard letter-size paper.

All three activities include:

- **Quick-Start Guide** — One-page educator reference
 - **Student Worksheets** — Grade-band specific (K-2, 3-5, 6-8, 9-12)
 - **Support Materials** — Role cards, evidence packets, AI response cards for low-resource implementation
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Activity 1: Security Detective Teams

Students investigate security incidents WITH an AI partner, discovering that AI excels at pattern recognition while humans bring contextual understanding.

Educator Materials

Quick-Start Guide — Activity overview, timing, facilitation moves, and debrief questions.

Student Worksheets

Investigation Worksheet — The main student-facing document guiding students through human-first investigation, AI partnership, and reflection. (*Grades 6-8 baseline; adapt language for other bands*)

Support Materials

Evidence Packet — “CLASSIFIED” investigation evidence including login logs, password analysis, social media activity, network data, help desk tickets, and interview notes.

AI Partner Response Cards — Grade-differentiated cards for low-resource implementation with pre-written AI analysis:

- **Grades K-2: Robot Helper Cards** — Simple cards for teacher read-aloud with Robot Helper voice
- **Grades 3-5: Computer Helper Cards** — Pattern analysis and limitation cards for detective teams

- [Grades 6-8: AI Partner Cards](#) — Full card sets with opening analysis, deeper analysis, disagreement, and synthesis
 - [Grades 9-12: AI Security Analyst Cards](#) — Professional SOC language with SIEM analysis and explicit limitation notices
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Activity 2: Ethics in Automated Security

Students design governance policies for AI security systems, discovering that AI is a stakeholder with its own perspective that must be balanced with human values.

Educator Materials

[Quick-Start Guide](#) — Activity overview, the conceptual shift, timing, facilitation moves, and debrief questions.

Student Worksheets

[Grades K-2: Robot Helper Rules](#) — Simple yes/no rule decisions for classroom robot Sparky.

[Grades 3-5: Computer Rules Committee](#) — SchoolGuard policy design with trade-off analysis.

[Grades 6-8: Ethics in Automated Security](#) — Full policy development with AI consultation and stakeholder analysis.

[Grades 9-12: AI Governance Workshop](#) — Enterprise governance with FERPA/COPPA considerations and executive policy briefs.

Support Materials

[Policy Scenario Cards](#) — Eight realistic scenarios that test students' policy decisions with real-world complications.

[AI Perspective Cards](#) — Grade-differentiated cards providing AI system perspectives for governance discussions:

- [Grades K-2: Sparky Cards](#) — Robot helper perspective on lights, cleanup, and safety rules
- [Grades 3-5: SchoolGuard Cards](#) — Computer Rules Committee policy discussions
- [Grades 6-8: SchoolGuard Cards](#) — Detailed governance perspectives on blocking, monitoring, and learning
- [Grades 9-12: SecureNet AI Cards](#) — Professional governance statements with regulatory context

[Stakeholder Role Cards](#) — For 9-12 governance simulation: Student Representative, Parent Liaison, IT Security Lead, Legal Advisor, Administrator, and AI System roles.

Activity 3: AI-Assisted Incident Response

Students experience authentic NICE Framework Work Roles by responding to realistic security incidents as a coordinated team with AI as their technical analyst partner.

Educator Materials

Quick-Start Guide — Activity overview, role assignments, timing, complication injection tips, and debrief questions.

Student Worksheets

Grades K-2: Fix It Team! — Simple teamwork experience solving a classroom technology problem.

Grades 3-5: Computer Problem Solvers — Investigation team roles (Detective, AI Partner, Recorder, Reporter) solving malware scenario.

Grades 6-8: AI-Assisted Incident Response — Team response with IC, SOC Analyst, Threat Intel, and Communications roles.

Grades 9-12: SOC Analyst Simulation — Enterprise-level incident with technical evidence, MITRE ATT&CK mapping, and executive communications.

Support Materials

Role Cards — Print-and-cut cards defining responsibilities for each team role across all grade bands.

Incident Briefings — Scenario descriptions for each grade band: ransomware, data breach, social media compromise, malware investigation, and K-2 fix-it story.

AI Response Cards — Grade-differentiated cards providing AI analysis for incident response scenarios:

- **Grades K-2: Sparky Cards** — Robot helper finding problems and asking permission to fix
- **Grades 3-5: AI Helper Cards** — Malware investigation responses for Computer Problem Solvers
- **Grades 6-8: AI Security Advisor Cards** — School incident responses for ransomware, breaches, and compromises
- **Grades 9-12: SentinelAI Cards** — Enterprise SOAR platform responses with MITRE ATT&CK mapping

Complication Cards — Phase 3 injections to simulate dynamic incident response: media pressure, scope expansion, stakeholder conflicts, and human factors.

Printing Tips

Paper Recommendations

Material Type	Paper Recommendation
Quick-Start Guides	Standard copy paper
Student Worksheets	Standard copy paper (front/back)
Evidence Packets	Standard copy paper
Role Cards	Card stock for durability
AI Response Cards	Card stock for repeated use

Material Type	Paper Recommendation
Complication Cards	Card stock, consider laminating

Print Settings

- **Paper size:** Letter (8.5" × 11")
- **Color:** Black and white works well for all materials
- **Duplex:** Recommended for worksheets to reduce paper usage

Quantities Guide

For a class of 30 students organized into 6 groups:

Material	Quantity
Quick-Start Guide	1 (teacher reference)
Student Worksheets	30 (1 per student)
Evidence Packets / Incident Briefings	6 (1 per group)
Role Cards	6 sets (1 set per group)
AI Response Cards (low-resource)	6 sets (1 per group)
Complication Cards	1 set (teacher use)

Download All Materials

Visit the [Materials](#) page to download all materials in PDF and DOCX formats.