

# 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
- 

### 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
- 

## 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.