

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 — Low-resource implementation support with pre-written AI analysis for groups without live AI access.

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 — Low-resource implementation support with SchoolGuard's perspective on automatic blocking, activity alerts, adaptive learning, and its own limitations.

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 — Low-resource implementation with SentinelAI analysis reports (9-12), school AI advisor responses (6-8), helper responses (3-5), and Sparky dialogue (K-2).

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 |
| 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) |

| Material | Quantity |
|--------------------|---------------------|
| Complication Cards | 1 set (teacher use) |

Download All Materials

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