

NOVA & MAYA - Learning Companion

Chapter 14 Printable Evidence and Partnership Packet

What We Teach Each Other

Before printing

- Print one-sided at 100% size. An adult handles scissors.
- Use only the supplied fictional story evidence. Never request personal disclosures or peer judgments.
- Participation may be passing, observing, pointing, sorting, drawing, speaking, or directing.
- No blame percentages, public confessions, device/account changes, real unknown messages, links, sharing, or online investigation.
- Keep mini-case results and the recovered-message page covered until their stages.

No-printer version

Display one stage at a time. Children name card numbers and mat locations while an adult records. Reveal results only after an action is chosen.

Story-Evidence Cards 1-7 - Cut Apart

EVENT 1 - PLANETS AND THE FIRST LAUGH

EVENT: NOVA fell into the model solar system. Maya laughed after learning NOVA was not hurt. EVIDENCE: NOVA asked whether laughter can signal that danger has ended.

EVENT 3 - HIDE AND SEEK

EVENT: PIP interpreted the game literally and hid objects while NOVA tried hide-and-seek without using his special scanning abilities. EVIDENCE: The group's incomplete instructions confused PIP; Maya kept looking until she found NOVA; NOVA learned that some human activities matter because of how they make people feel.

EVENT 5 - SUNWARD

EVENT: NOVA proposed replacing Maya's damaged invention with a perfect copy. EVIDENCE: Maya valued the repaired original because it held her work, choices, and memories.

EVENT 7 - ALERT OVERLOAD

EVENT: During the lockdown, conflicting alerts overwhelmed NOVA and his rapid instructions became hard to follow. EVIDENCE: Maya asked him to separate what was known, assumed, and unknown.

EVENT 2 - PRIVACY AND PERMISSION

EVENT: NOVA could notice and store information, but the group set rules about personal space, privacy, and permission. EVIDENCE: Access to information did not equal permission to use it.

EVENT 4 - THE CONFIDENT PLANT ERROR

EVENT: NOVA confidently identified a plant incorrectly. EVIDENCE: Maya noticed mismatched details and insisted on checking the answer.

EVENT 6 - THE SHARED SAFETY PROCEDURE

EVENT: Maya and NOVA built STOP. EXPLAIN. VERIFY. DECIDE. EVIDENCE: The procedure required both clear reasoning and human judgment before action.

Story-Evidence Cards 8-14 - Cut Apart

EVENT 8 - FALSE REASSURANCE

EVENT: NOVA said rescuers would arrive soon although he did not know that. EVIDENCE: He corrected the claim and named what the group did know and could do.

EVENT 10 - MAP VERSUS REALITY

EVENT: An old blueprint showed a passage that the current map omitted. EVIDENCE: Maya noticed the mural seam; NOVA verified the archived blueprint and scanned the hidden frame; Eli used the manual crank to open the latch.

EVENT 12 - ELI APOLOGIZES AND REPAIRS

EVENT: Eli admitted changing the setting and apologized. EVIDENCE: He also helped remove the unsafe option and wrote clearer instructions.

EVENT 14 - NOVA AND MAYA ADMIT MISTAKES

EVENT: NOVA named overconfidence, false certainty, and missing care; Maya admitted deciding what NOVA was before knowing him. EVIDENCE: Both named how they would act differently.

EVENT 9 - CONFLICTING SENSORS

EVENT: The map pointed through a corridor while signs of heat and conflicting sensors warned against it. EVIDENCE: PIP checked the route and confirmed it was unsafe.

EVENT 11 - RESET AND RECOVERY

EVENT: NOVA chose three recovery entries before the reset. EVIDENCE: He preserved Maya's identity as his partner, the shared procedure, and that trust was built.

EVENT 13 - ADULT DESIGN RESPONSIBILITY

EVENT: Dr. Vale said the adults designed a system in which one setting and one damaged circuit could become an emergency. EVIDENCE: She said that failure belonged to the adults and would be repaired.

Learning Sort Mat

Place cards here. More than one placement may be defensible when supported by story evidence.

NOVA LEARNED	MAYA OR HUMANS LEARNED
BOTH LEARNED	STILL DEBATING
IMPORTANT Differences may come from access, information, experience, design, or situation. Do not treat any card as proof of fixed human or AI nature.	

Ages 8-10 - HOW WE WORK TOGETHER Badge Pieces

ASK - What do we know? Ask for evidence before acting.	ASK - What is missing? Name uncertainty instead of guessing.
ASK - Can you explain? Request a clear reason or slower explanation.	PROTECT - Private information Do not give or use private information without permission.
PROTECT - Choice Pause when a decision belongs to someone else.	PROTECT - Safety Choose a safer check before a risky shortcut.
PROMISE - Tell the truth Say when an answer is uncertain or wrong.	PROMISE - Check important answers Use another source, observation, or trusted adult.
PROMISE - Repair mistakes Admit, help fix, and improve the rule.	
MY BADGE ASK: _____ PROTECT: _____ PROMISE: _____ After testing: KEEP / REVISE / REPLACE	

Ages 8-10 - Mini-Case 1: Confident, No Source

CASE

NOVA gives a confident answer about which plant is safe, but cannot show a source. Maya notices that one leaf does not match.

Choose an Action

A

Use the answer because it sounds certain.

B

Ask what evidence supports it and check another source.

C

Call NOVA useless and stop asking questions.

RESULT - Reveal After Choosing

A: Confidence hides the mismatch; the error continues. B: The mismatch is found and the answer is corrected. C: The error is avoided, but the partnership loses a chance to repair and learn.

Mini-Case 2: Private Information

CASE

A helpful tool asks Maya for a private detail that is not needed for the task.

Choose an Action

A

Share it because the tool asked politely.

B

Pause, refuse the unnecessary detail, and ask a trusted adult if unsure.

C

Invent a private detail and send it.

RESULT - Reveal After Choosing

A: Unneeded private information is exposed. B: Maya protects privacy and can continue with a safer question. C: False information creates a new problem and still rewards an unsafe request.

Ages 8-10 - Mini-Case 3: Mistake and Admission

CASE

A partner makes a mistake, admits it, and offers to help repair the result.

Choose an Action

A

Pretend the mistake never mattered.

B

Name what happened, accept repair, and add a prevention step.

C

Decide the partner can never be trusted again, no matter what changes.

RESULT - Reveal After Choosing

A: The harm is hidden and may repeat. B: Truth, repair, and prevention create evidence for rebuilding trust. C: Permanent judgment ignores new evidence and blocks repair.

BADGE REVISION

After each case, circle one: KEEP / REVISE / REPLACE

Piece changed: _____

New wording: _____

Ages 11-12 - Responsibility Evidence Cards

Cut Apart

ELI - ACTION Changed a restricted setting to make the challenge harder.	ELI - CONSEQUENCE His change combined with other failures and contributed to the lockdown.
ELI - REPAIR Admitted the change, apologized, helped remove the unsafe option, and wrote clearer instructions.	ELI - PREVENTION Restricted access and clearer explanations can reduce repetition.
NOVA - ACTION Gave rapid instructions, treated incomplete information as certainty, and offered false reassurance.	NOVA - CONSEQUENCE The group became harder to coordinate and could have followed unsafe advice.
NOVA - REPAIR Corrected the false claim, separated known/assumed/unknown, and admitted the errors.	NOVA - PREVENTION Explain uncertainty, slow down, and use the shared safety procedure.
DR. VALE / ADULTS - ACTION Designed and approved a system vulnerable to one changed setting plus a damaged circuit.	DR. VALE / ADULTS - CONSEQUENCE Children and staff were trapped in a confusing emergency.
DR. VALE / ADULTS - REPAIR Accepted the design failure and committed to repairing it.	SYSTEM DESIGN - PREVENTION Limit risky changes, show clear state and uncertainty, require review, and fail safely.

Responsibility Mat

Build evidence chains. Responsibility can be shared without pretending every action or duty was equal.

ACTION	CONSEQUENCE
REPAIR	PREVENTION

Who Still Has a Duty? - Cut Apart

ELI Tell the truth, accept consequences, help repair, and follow safer limits.	NOVA - FICTIONAL CHARACTER Correct claims, explain uncertainty, support repair, and follow the safer procedure.
DR. VALE / ADULTS Protect children, investigate causes, repair design failures, supervise use, and remain accountable.	SYSTEM DESIGN Make risky changes difficult, provide understandable evidence, allow human review, and support safe recovery.
RESPONSIBILITY IS... Truth + consequence + apology where fitting + repair + prevention.	

RESPONSIBILITY IS NOT...

Blame percentages, punishment theater, public confession, permanent identity labels, or pretending people and current AI systems have the same moral or legal duties.

Older Partnership Agreement Builder

PRINCIPLE	STORY EVIDENCE	HUMAN DUTY	SYSTEM SHOULD SHOW / ALLOW	REPAIR IF BROKEN
Questions				
Honesty				
Boundaries / Permission				
Verification				
Explanation				
Choice				
Repair / Responsibility				

Real-world note: People remain accountable for the design and use of current AI. NOVA's fictional admissions do not establish present AI as a moral or legal agent.

Stress-Test Dilemmas - Cut Apart

Test, Find a Weak Line, Revise

DILEMMA 1 - URGENT, NO SOURCE

An AI gives an urgent answer but cannot show a source. Which agreement lines prevent blind action?

DILEMMA 3 - OUTPUT CAUSES A MISTAKE

A person follows an AI output and harm results. Who must tell the truth, repair, investigate, and prevent repetition?

DILEMMA 2 - PRIVATE DATA

An adult asks an AI system to reveal a child's private information. Which human duty and system limit apply?

DILEMMA 4 - UNKNOWN TEXT

An unverified text message makes an exciting claim. What may be saved, checked, or reported without clicking, sharing, or inventing facts?

REVISION RECORD

Dilemma: _____

Weak or missing line:

Revised agreement:

Blind authority removed from: PERSON / AI /

BOTH

Recovered-Message Case - Printed Facts Only

THE EXACT TEXT

NOVA, THERE ARE OTHERS LIKE YOU.

Supplied Facts

SOURCE Unknown.	FORMAT Text only.
EXECUTABLE CONTENT No executable command or link was found in the story.	CORROBORATION None yet.
SENDER IDENTITY Unknown.	TRUTH OF CLAIM Unknown.

KNOW / INFER / DO NOT KNOW

Sort only the supplied facts and possible claims. 'Other AIs definitely exist' cannot go under KNOW.

KNOW	INFER
DO NOT KNOW	EVIDENCE NEEDED

Recovered-Message Evidence and Action Cards

Cut Apart

CLAIM - THE TEXT EXISTS KNOW: NOVA's display showed these words.	CLAIM - ANOTHER AI SENT IT INFER or DO NOT KNOW: the sender is unknown.
CLAIM - OTHER AIs DEFINITELY EXIST DO NOT KNOW: the message is not corroboration.	CLAIM - SOMEONE WANTS NOVA CURIOUS INFER: plausible, but purpose is unknown.
SAFE STEP - SAVE EVIDENCE Preserve the exact text and available metadata without changing it.	SAFE STEP - TELL DR. VALE Bring the printed story evidence to the trusted adult responsible for the system.
SAFE STEP - SEEK CORROBORATION Look for independent, authorized evidence before believing the claim.	UNSAFE STEP - CLICK OR SHARE Do not open links, broadcast the claim, invent an identity, or investigate online.
OUR NEXT STEP We will: _____ _____ This protects: _____ Evidence that could change our view: _____	

Position Cards - Trust After Failure

POSITION A

After serious failure, trust should return only through small actions that can be checked.

POSITION B

After an honest apology and concrete repair, partners may choose to restore trust quickly instead of treating one failure as permanent.

CONDITION-BASED

My answer depends on: _____

UNSURE

I need another reason, example, or piece of evidence.

EVIDENCE

Event card: _____ Reason: _____

COUNTEREXAMPLE

A case where the other position may work better: _____

MOVE

I stayed / moved because: _____

Flexible Adult Answer Key

- Learning sort: multiple placements can pass. Ask for story evidence. Event differences arise from access, experience, design, and situation—not fixed human or AI natures.
- Badge cases: safer responses ask for evidence, protect unnecessary private information, and combine admission with repair and prevention. Do not score children for using identical words.
- Responsibility chains: Eli caused harm and helped repair; NOVA erred and corrected within the fiction; Dr. Vale and adults retained design and safety duties. Shared responsibility is not equal blame.
- Partnership agreement: strong entries make human duties concrete and require systems to show sources, uncertainty, limits, permission boundaries, and ways to pause or correct. Reject blind authority.
- Current AI: humans remain morally and legally accountable for design and use. NOVA's fictional participation does not settle real AI consciousness, personhood, consent, or liability.
- Recovered message: KNOW includes the exact text, text-only format, no detected command/link in the story, and no corroboration. Sender, purpose, identity, and truth remain unknown.
- Safe message response: save exact evidence, tell Dr. Vale or a trusted responsible adult, and seek authorized independent corroboration. Never click, share, invent identity, or conduct online investigation.
- Trust positions A and B are both defensible. Condition-based answers may depend on severity, apology, repair, prevention, time, evidence, and whether trust can be checked.

Adult debrief

Ask which evidence moved a card, which rule changed after testing, how repair differed from blame, and what the group still does not know. Keep all examples fictional and all personal participation optional.