



K-12 PROFESSIONAL DEVELOPMENT

Working Smarter, Not Harder

with Apple Intelligence

Robert Porche · Apple Distinguished Educator, Class of 2026

WHILE WE WAIT

Say Hello in the Chat

Drop this in as you join:

- 1 **Name** — *who you are*
- 2 **School** — *where you teach*
- 3 **Subject(s) you teach** — *what's on your schedule*
- 4 **One AI anecdote** — *good, bad, or funny*

MEET YOUR PRESENTER

Rob Porche

Information Literacy Specialist · Grades 4–6



Nearly a Decade in the Classroom

Alternative Route Teacher



A Creation Tool in Every Seat

Green screen, podcasting, Magic Movie — iPads as tools, not toys.



Student Leadership Is the Work

Not enrichment. Not extra. The whole point.

APPLE DISTINGUISHED EDUCATOR
Class of 2026

NJEA Justice & Equity Fellowship
Cohort II

NJEA Teacher Leader Academy
Cohort IV

CSTA – New Jersey #bestchapter



CSTA MEMBER



ROADMAP

Today's Agenda



1 Welcome & Icebreaker



2 Getting Started with Apple Tools in the Classroom



3 Your Values & AI



4 AI in Your Backpack + Examples



5 AI Data Mapping Journey



6 AI-Aware Assignment Design



7 Personal AI Integration Roadmap



8 Writing Strong AI Prompts



RESOURCES

Everything Lives in One Place



[commonsense.org](https://www.commonsense.org/teachers) · Teachers' Essential Guide to AI Fundamentals with Apple

Scan the code, or visit the link — bookmark it and share it with your team.



WELCOME

Today's Goal

By the end of this session, you'll leave with tools you can use tomorrow — not a to-do list you'll never open.



See where it already lives

Apple Intelligence is already built into apps you use every single day
no new login required.



Try 2–3 tools, hands on

Real teacher tasks: parent email, student feedback, lesson planning, translation.



Leave with a roadmap

One thing to try this week, one idea for later, one way to grow over time.

Small steps. Real time saved.



WARM-UP

Chat Check-In

Quick game, not more introductions — just drop a 👍 or “yes” in the chat if...

(“Never Have I Ever,” AI edition)

1 ...you've asked Siri something out of pure curiosity, just to see what happens?



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- 2 ...autocorrect has saved you or embarrassed you in the last week?
- 3 ...you've spent 20 minutes on an email that should have taken two?
- 4 ...you've wondered what happens to data when it's typed into an AI tool?



THE BASICS

What Is Apple Intelligence?

Apple's personal intelligence system built into iPhone, iPad, and Mac — designed to help you write, express yourself, and get things done, while keeping your data private.



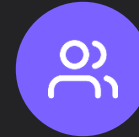
On-device first

Most requests are processed right on your iPhone, iPad, or Mac — nothing leaves the device.



Private Cloud Compute

Bigger requests use Apple servers built so no one not even Apple can access your data.



Personal, not generic

Understands your own notes, calendar, and messages to give relevant, useful help.



BEFORE WE DIVE IN

Understanding AI



A Quick History of AI

The academic field of artificial intelligence was created between 1952 and 1956.

1955

Allen Newell &
Herbert A. Simon

1956

John McCarthy

1959

Marvin Minsky

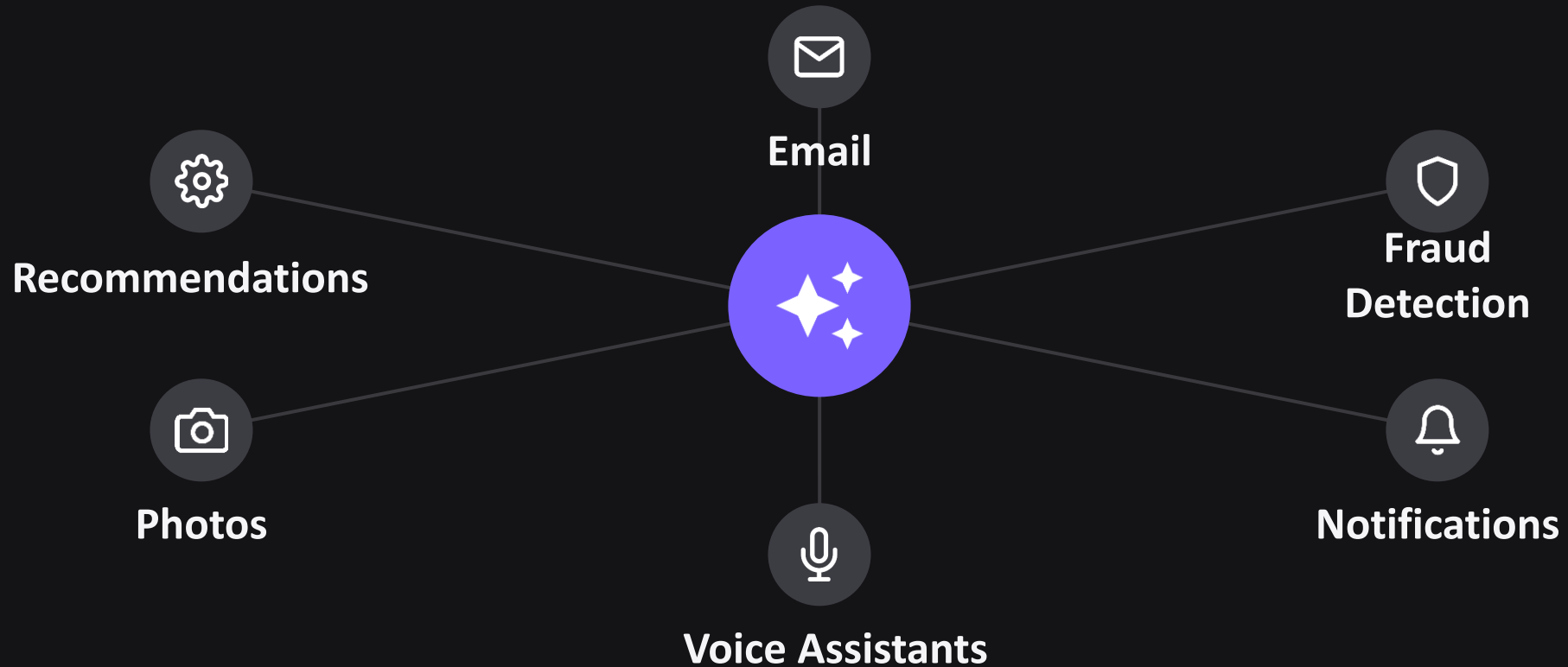
1961

James Slagle

In a nutshell — AI has been around for a very long time. We use it every day and probably don't even realize when and where, because it's **ubiquitous** — found everywhere.



Ubiquity: Found Everywhere



It's here. It's here to stay. *We need to innovate our teaching methods and develop lessons that embrace this technology — not ignore it.*



UNDERSTANDING AI

Basic AI Terminology Handout

Algorithm

Machine Learning

Neural Network



Prompt

Bias

Training Data

Scan here — it will take you to the CIRCLS website, where you can download an open-source copy for use in the classroom.



What the Research Actually Shows



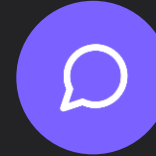
AI Doesn't Automatically Create Learning

Producing better work with AI doesn't guarantee better understanding. OECD warns that completing a task with AI is different from actually learning the material.



Teachers Matter More Than the Tool

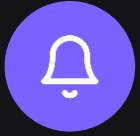
The strongest gains happen when teachers intentionally design AI-supported lessons with questioning, scaffolding, and feedback — technology alone has little effect.



AI Works Best as a Tutor, Not an Answer Machine

Research increasingly points to AI functioning as a Socratic coach — asking questions, giving feedback — rather than a shortcut that just completes assignments.

“GenAI should be used selectively and purposefully for pedagogical reasons to enrich learning and not replace cognitive effort or weaken the human relationships at the heart of education.” — OECD, Digital Education Outlook 2026



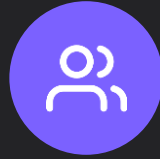
UNDERSTANDING AI

The Fear

If chatbots do all the hard work of learning:



Will students develop
critical thinking skills?



How can teachers
continue to enable learner
agency?

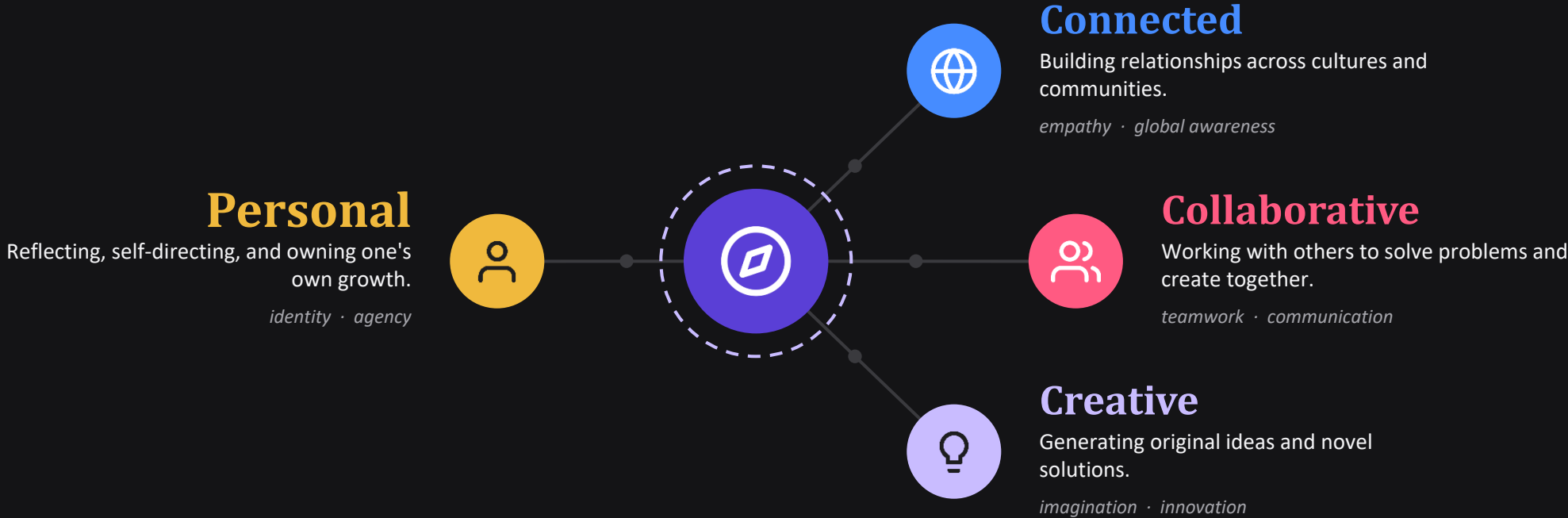


How should teaching
change so there is a
transfer of learning?



Keeping Our Goals Intact

EDUCATORS HAVE TO ENABLE OUR STUDENTS TO BE



“ Education has always been a people-centered endeavor—real people helping real students, families, and educators... AI supports—but educators lead. — Eric Mason, Ph.D.

Source: LinkedIn — Eric Mason, Ph.D.



TECHNOLOGY CAN **ASSIST**. PURPOSE GIVES **DIRECTION**. PEOPLE CREATE **IMPACT**.



AGENDA · ITEM 2

Getting Started with Apple Tools in the Classroom



GETTING STARTED WITH APPLE TOOLS

Is Your Device Ready?

Apple Intelligence needs specific hardware and the latest software.



iPhone

iPhone 15 Pro / Pro Max, or
iPhone 16 and later



iPad

iPad mini (A17 Pro), or any iPad
with M1 chip and later



Mac

Any Mac with Apple silicon (M1
and later)

SOFTWARE

iOS / iPadOS 18.1 or later, macOS Sequoia 15.1 or later

STORAGE

About 7GB of free space for the on-device models

LANGUAGE

Device language and Siri language set to the same supported language



GETTING STARTED WITH APPLE TOOLS

Turn It On: 3 Steps

1

Type in the chat: what OS version are you running?

Check Settings → General → About (or About This Mac) and drop your software version in the chat — then update if you're behind.

2

Flip the switch

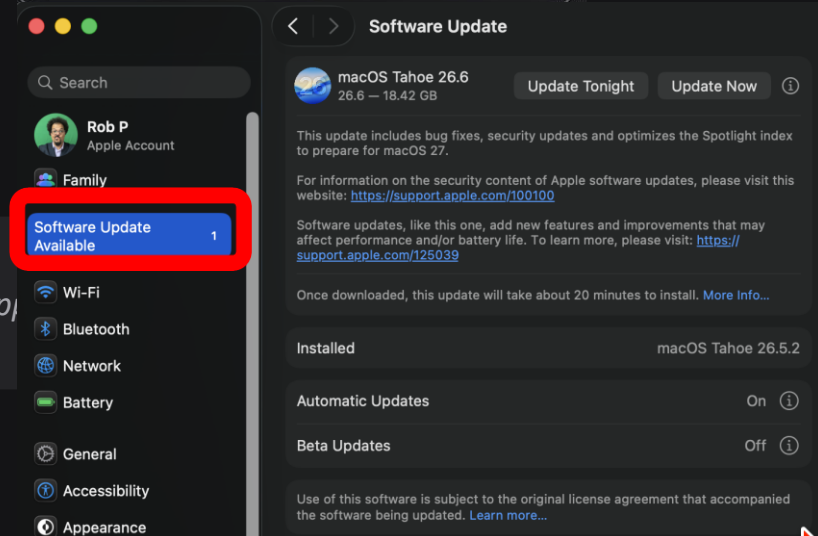
Settings → Apple Intelligence & Siri, then turn Apple Intelligence on.

3

Stay connected while it downloads

Keep Wi-Fi and power connected — first-time setup downloads on-device models and can take a few minutes.

Not seeing the option? Double-check your device is on the supported list and set to a supported region.

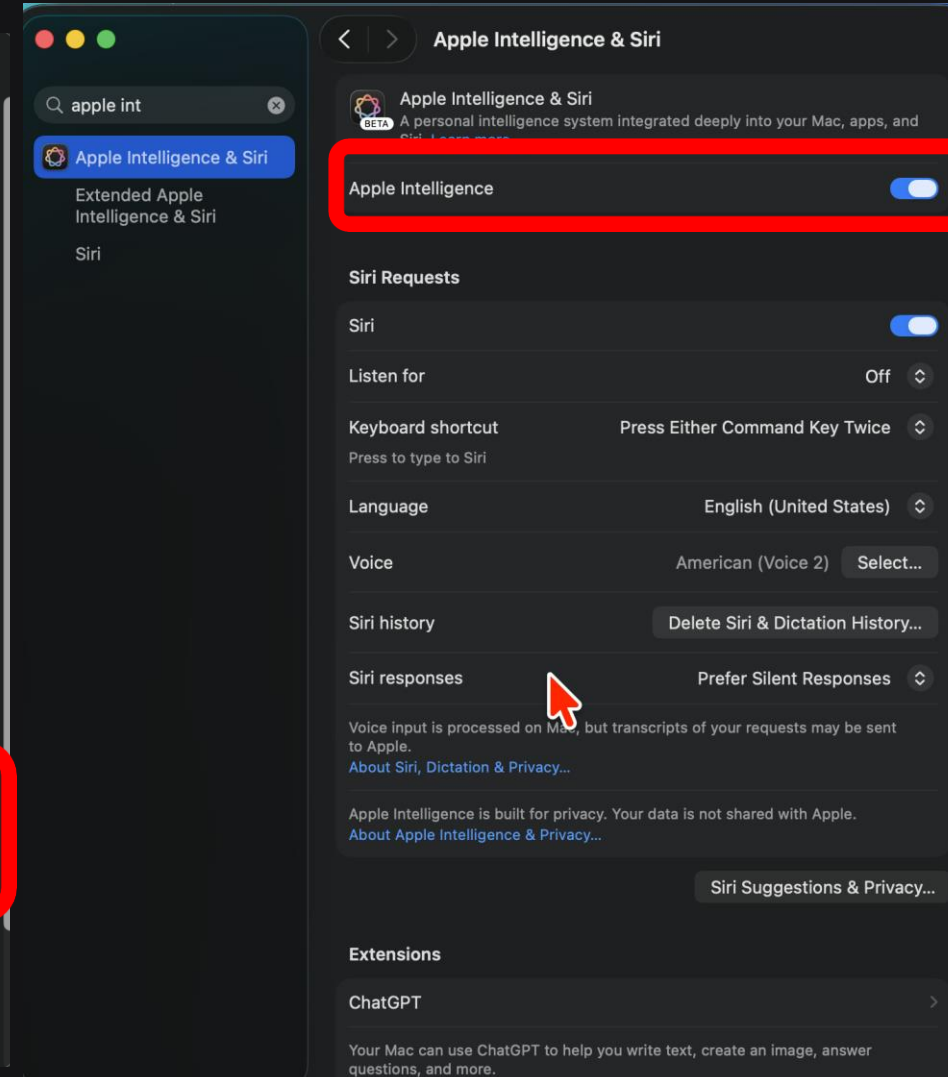
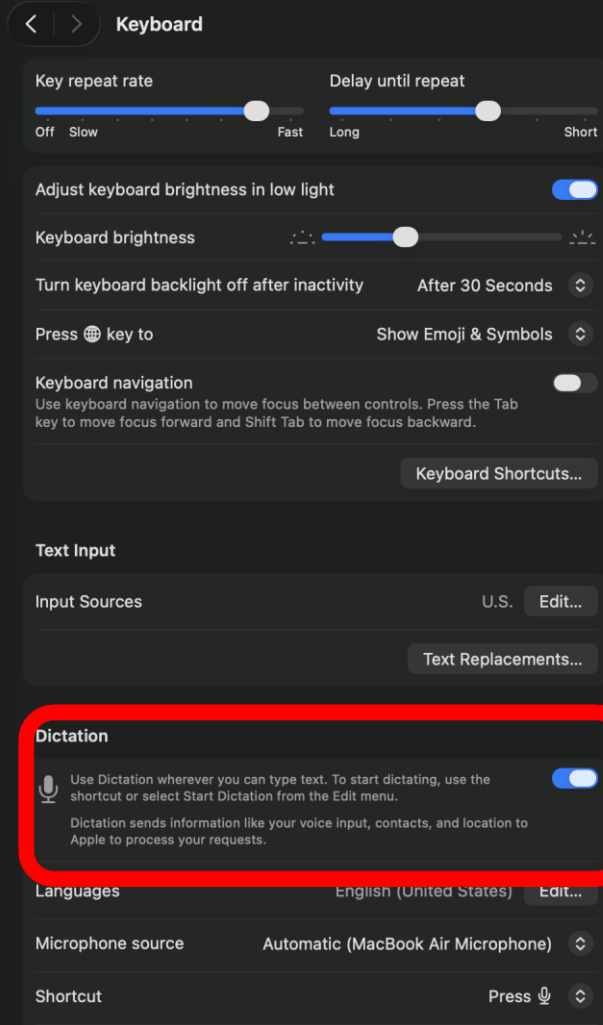
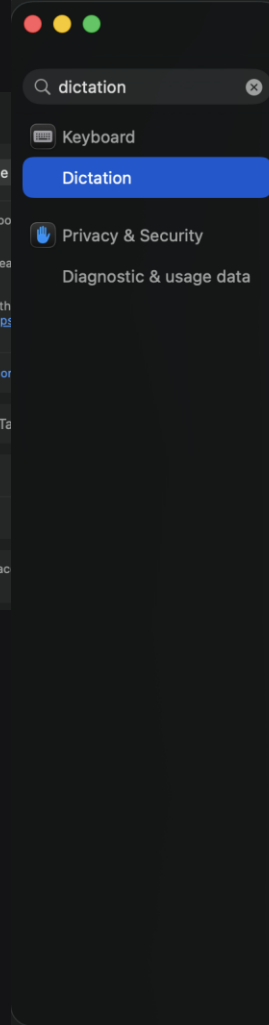
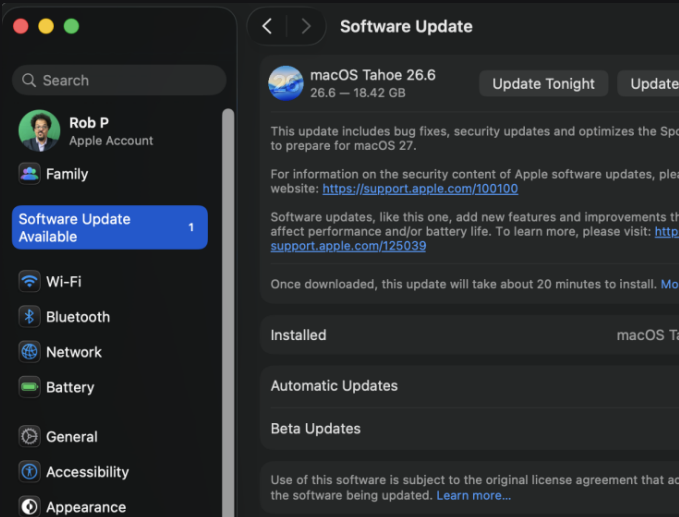


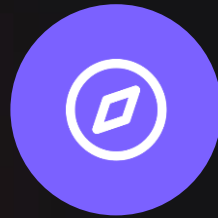


GETTING STARTED WITH APPLE TOOLS

Turn It On: 3 Steps

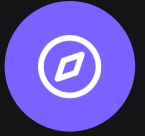
iOS / iPadOS 18.1 or later, macOS
Sequoia 15.1 or later





AGENDA · ITEM 3

Your Values & AI



Start With Your Values, Not the Tool

Instead of asking “what can this AI tool do?” — start with “what do I value in education, and how might AI support those values?”

LOOMS

Replace a skill

Reduces the expertise needed and can create dependency — e.g., AI that writes the whole lesson plan for you.

CRANES

Amplify a skill

Requires your expertise and builds capability — e.g., AI that brainstorms activity ideas based on your objectives.

Source: Common Sense Education & Apple, “Teachers' Essential Guide to AI Fundamentals with Apple” — commonsense.org/education



YOUR VALUES & AI

Four Questions for Any AI Tool

Run any new AI tool through these before you adopt it.

1

Values fit

Does it align with your educational values?

2

AI type

Is this recognition (classifies/predicts) or generation (creates new content)?

3

Data handling

Does it run on the device, or does information travel to a server?

4

Agency

How much independent action can the system take on its own?

Source: Common Sense Education & Apple, "Teachers' Essential Guide to AI Fundamentals with Apple"

4: Catching cheaters

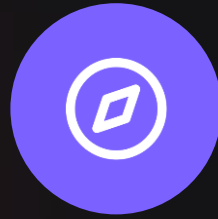
You're pretty sure several students used AI for their creative writing assignments, but you can't prove it. How will you confront them about this?

- **Which of my top values matter most in this situation?**
- **Does this scenario align with what I value, or does it conflict with my beliefs?**
- **How can my values help me figure out what to do?**

5: The helpful parent

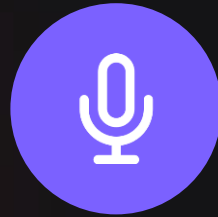
A parent admits they've been using AI to "help" their child with homework because "everyone else is doing it" and they don't want their child to fall behind. How will you talk to them about this?

- Which of my top values matter most in this situation?
- Does this scenario align with what I value, or does it conflict with my beliefs?
- How can my values help me figure out what to do?



Journal Question

How would you modify this activity for the grade level you teach or subject?



SECTION ONE

Your Everyday Assistant



YOUR EVERYDAY ASSISTANT

Siri: Rebuilt to Actually Help

WHAT'S BETTER

Understands natural, even stumbling speech — and can tap into ChatGPT for broader world knowledge, only with your permission.

CLASSROOM USES

- “Siri, remind me to review the quiz results tonight.”
- Set and name timers for rotating learning stations.
- Ask for references on current research or CS standards.

NEW IN 2026

What's New



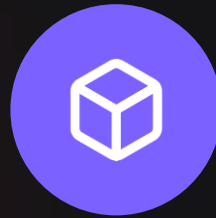
Call Context surfaces confirmation codes and details during phone calls.



Describe a Shortcut builds an automation from a single sentence.



Create or modify calendar events just by describing them.



AGENDA · ITEM 4

AI in Your Backpack + Examples



AI IN YOUR BACKPACK

Three Kinds of AI You Already Use

Every AI feature on your device falls into one of these buckets.



Classical Machine Learning

Recognizes, categorizes, and predicts patterns.

*Predictive text · speech-to-text ·
Maps suggestions · spam filtering
· “Hey Siri” · autocorrect*



Generative AI

Creates new content based on what it's learned.

*Writing Tools · Smart Reply ·
Image Playground · chatbots
(ChatGPT, Claude, Gemini)*



Both, Combined

Recognizes first, then generates.

*Photo Memories (finds faces,
builds a video) · Clean Up (detects
objects, fills background) · filters*



Three Kinds of AI You Already Use

AI in your backpack



Find and sort the AI features on your device



Engage: Discover the AI you’re already using

Take a look at the table below to see examples of classical machine learning, generative AI, and tools that use both.

Classical machine learning Recognizes, categorizes, predicts	Generative AI Creates new content	Both Uses classical machine learning AND generative AI
You might recognize these... • Predictive text on keyboard • Speech-to-text transcription • Maps route suggestions • Spam filtering in Mail • App suggestions • Spotlight recommendations • Credit card fraud detection • “Hey Siri” wake word detection • Autocorrect and spell check • Search suggestions	Examples include... • Apple Intelligence Writing Tools (rewrite, proofread, summarize, and others) • Smart Reply suggestions • Image generation in Image Playground • ChatGPT, Claude, and Gemini chatbots • AI lesson plan generators	Examples include... • Photo Memories (recognizes faces and events to generate a new movie with music and animations) • Photos Clean Up tool (recognizes and removes objects, then fills in generated backgrounds) • Some social media filters (replace backgrounds with generated content)



Image Playground:
Generative Ai



Safari:
Summarize
Hide items



Spotlight:
Quick Actions



Photos: Clean Up
Organize



Notes:
Writing Tools
Translate
Audio



Three Kinds of AI You Already Use

Every AI feature on your device falls into one of these buckets.

Take actions or shortcuts with Spotlight

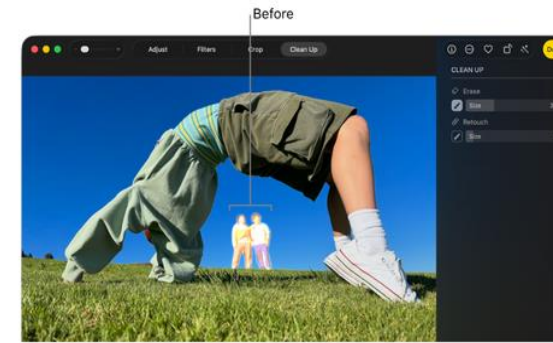
1. On your Mac, press Command-Space bar to open Spotlight.
2. Enter what you're looking for to search for a specific action, or browse through the suggestions, then double-click the action you want.

Tip: Click , or press Command-3 to narrow your search to just actions.

Here are some actions to get you started:

- *Add File to Note:* Quickly adds a file on your computer to a note in the Notes app.
- *Change Case:* Changes the case of copied text.
- *Start FaceTime Call:* Makes a FaceTime call—audio or video—to the person of your choice.
- *Random Number:* Picks a random number when given a minimum and maximum.
- *Recognize Music:* Names the currently playing song.
- *Remove Image Background:* Removes the background from a named image.
- *Send Email:* Sends an email message to a recipient of your choice.
- *Translate Text:* Translates selected text from a detected language to the language of your choice.

If you choose an action by mistake and want to return to search, press the Esc (Escape) key.



1. Go to the Photos app  on your Mac.
2. Double-click a photo, then click Edit in the toolbar.
3. Click Clean Up in the toolbar.

Note: After you click Clean Up, some items may be highlighted automatically so you can quickly click to remove them.

4. Select  below Erase.
5. Click, brush, or circle what you want to remove.

To zoom in or out on a photo, drag the Zoom slider, or pinch open or closed on the trackpad. You can drag the zoomed image to reposition it.

Note: If you brush over a person's face, the face may become blurred with a pixelated effect.

6. When you're finished, click Done.



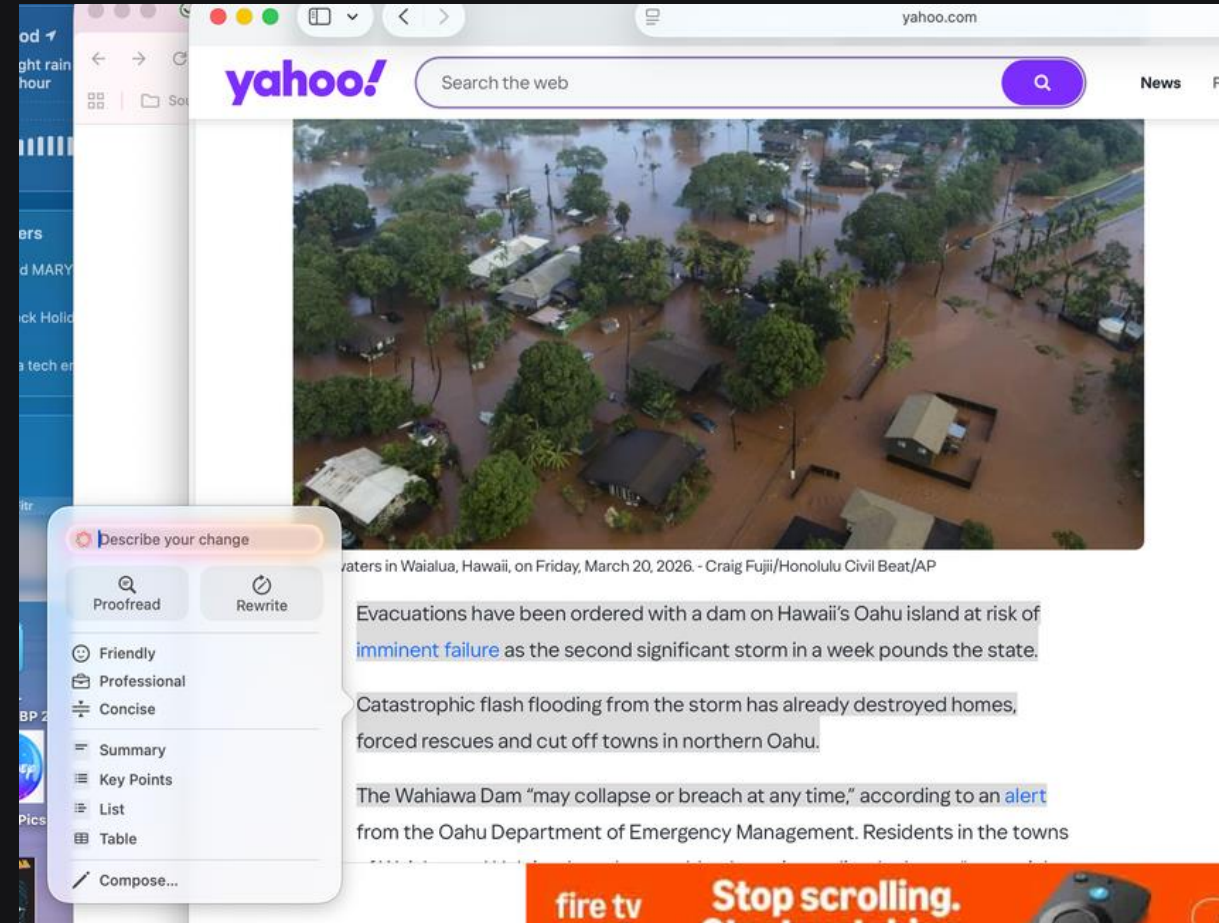
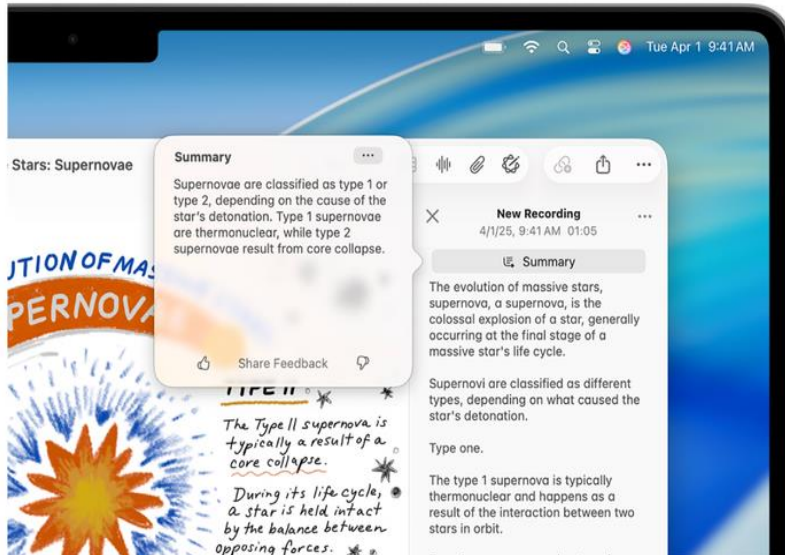
AI IN YOUR BACKPACK

Three Kinds of AI You Already Use

Every AI feature on your device falls into one of these buckets.

Use Apple Intelligence in Notes on Mac

You can record audio in Notes—like a class lecture or an important meeting—then use Apple Intelligence* to generate a summary of the transcript, so you can get to the most important information at a glance. You can also copy and share summaries.





EVERY LEARNER, EVERY LANGUAGE

Breaking the Language Barrier

Apple Translate converts text and speech in real time built into the system, ready whenever you need it.

CLASSROOM IMPACT



Supports multilingual students directly in the classroom



Families receive communications they can actually read



Strengthens the school-home connection for every family





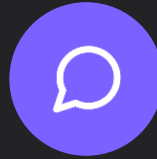
EVERY LEARNER, EVERY LANGUAGE

Independence for Every Learner



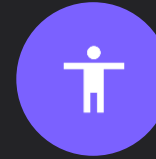
Word Lookups

Students ask Siri to define unfamiliar words instantly — no hand-raising, no waiting.



Text-to-Speech

Any text read aloud at the student's own pace — directions, passages, feedback.



Accessibility Reader

New in 2026: supports complex materials with built-in summaries and translation.

Removes barriers for struggling readers and multilingual learners — without singling anyone out.



COMMUNICATION & TIME

Writing Tools: Your Built-In Editor

Available in Pages, Notes, Mail, and Messages

Rewrite, proofread, and summarize text in different tones — Friendly, Professional, Concise — without leaving the app you're already in.

REAL IMPACT IN CLASSROOMS



Clearer, more professional parent communications



Faster, more encouraging student feedback



Fewer miscommunications that escalate into bigger issues



More accessible communication with multilingual families



Try It Out: Writing Tools

Email to Parents

Use the “Professional” tone for field trip notices or classroom updates.

Student Feedback

Make comments more encouraging while staying constructive.

Lesson Plan Summary

Turn standards into clear, quick-reference bullet points.

Newsletter Content

Proofread and adjust tone for school newsletter articles.



AI IN YOUR BACKPACK

Try It: Spot the AI in Your Backpack

Pick 3 or more. Try them, then decide: classical ML, generative AI, or both?

Genmoji

Image Playground

Live Text

Face ID

Voice Memo transcription

Predictive text

“Hey Siri”

Autocorrect

Maps suggestions

Spam filtering

App recommendations

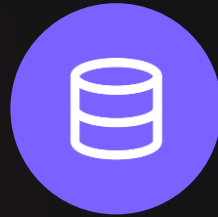
Fraud detection alerts

Speech-to-text

Photo Memories

Clean Up

Reflect: Which do you use most? What surprised you? Any data-handling concerns?



AGENDA · ITEM 5

AI Data Mapping Journey



Every AI Choice Is a Trade-Off

Every time student data goes through an online generative AI system — grammar-checking an essay, drafting a progress note — that information travels through the internet and potentially gets stored on company servers. If those servers get hacked (and they do get hacked), student names and other personal information could end up in the wrong hands.

BEFORE YOU USE ANY AI TOOL, ASK



Are the benefits worth the risks?



Does this company delete your data, or keep it forever?



If there's a breach, will they tell you right away?

Some companies have strong security and clear policies — others don't. You're the one making the choice.



Privacy at a Glance

Apple Intelligence

ChatGPT

Where processing happens

Mostly on the device

In the cloud

Cloud use

Only if task exceeds device capacity

Always

Data storage

Apple says no storage or logs

May be stored temporarily

Used for training

No

Free accounts: yes by default (can opt out)

Transparency

Publishes Private Cloud Compute security details

Publishes data-use policies

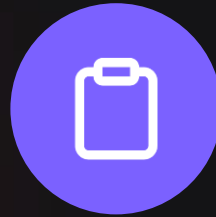
Bottom line: Apple Intelligence is the safer default for sensitive drafts — still use judgment either way.



Before You Hit Send: Quick Guardrails

-  Ask: does this task actually need student names or personal details?
-  Prefer on-device tools (Apple Intelligence, Writing Tools) for anything sensitive.
-  Avoid pasting student work into open cloud AI tools without checking district policy.
-  When in doubt, de-identify first — then draft.

You already make privacy calls every day this is one more.



AGENDA · ITEM 6

AI-Aware Assignment Design



Design for the AI Era

Students already have access to AI tools. The goal isn't to ban them — it's to design assignments that still lead to real learning.

1

Take one assignment you already use

Something you assign every year — no need to start from scratch.

2

Ask: what could AI do easily?

Be honest about which parts a chatbot could finish in seconds.

3

Ask: what do I actually want students to learn?

Name the real skill or understanding the assignment is meant to build.



AI-AWARE ASSIGNMENT DESIGN

Tweak the Assignment

A quick redesign checklist — focus more on:



Student thinking — show the reasoning, not just the final answer



Real-world connections that make the task harder to fake



The learning process — drafts, revisions, reflections — not just the output



Tell students clearly what AI can and can't be used for on this task



AGENDA · ITEM 7

Personal AI Integration Roadmap



Your Personal AI Integration Roadmap

Goal: a realistic plan — not a New Year's resolution.

THIS WEEK

One thing to try

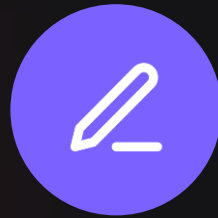
THIS SEMESTER

One idea for later

OVER TIME

One way to grow

This should fit your teaching style, your students, and your comfort level — not the other way around.



AGENDA · ITEM 8

Writing Strong AI Prompts



WRITING STRONG AI PROMPTS

The Anatomy of a Strong Prompt

Four ingredients turn a vague ask into a genuinely useful answer.

1

Role

Tell it who to be. “Act as a 5th grade math teacher...” focuses the tone and expertise.

2

Task

Name the exact action: create, rewrite, summarize, explain, compare.

3

Context

Add what matters: grade level, standards, prior knowledge, tone, audience.

4

Format

Specify the shape of the answer: bullet list, table, word count, reading level.

Bonus fifth step — Refine: treat the first answer as a draft. Ask it to shorten, simplify, or try a different angle.



Weak vs. Strong: See the Difference

WEAK PROMPT

“Write a quiz about photosynthesis.”

No grade level, no standard, no format — you'll get something generic you still have to rework.

STRONG PROMPT

“Act as a 7th grade science teacher. Write a 10-question multiple-choice quiz on photosynthesis aligned to NGSS MS-LS1-6. Include an answer key, and keep the language accessible for English language learners.”

TRY IT

Pick something you'd normally write from scratch — a rubric, a parent email, a warm-up question — and rebuild the prompt using Role + Task + Context + Format.



GETTING STARTED WITH APPLE TOOLS

Your Turn: 5 Minutes

- 1 Scan the tools we covered today — which ones fit a task you already do?
- 2 Pick just 1 tool to try right now — save the rest for later.
- 3 Use the “Try it out” prompts from today as your starting point.
- 4 Device check: some features need a compatible device with the latest software — confirm before you dive in.

DISCUSSION

Which tool felt most natural to you? • Which could save you the most time in your workflow? • What concerns do you still have?



WRAP-UP

Everything Lives in One Place



commonsense.org · Teachers' Essential Guide to AI Fundamentals with Apple

Every resource from today's session — the Looms vs. Cranes framework, the four evaluation questions, the AI in Your Backpack activity, and more — starts on this single Common Sense Education & Apple guide.

Scan the code, or visit the link — bookmark it and share it with your team.



Thank You!

Questions, ideas, or a tool you want to swap notes on — let's talk.

Robert Porché · rporche@trenton.k12.nj.us

Full resource guide: commonsense.org (Teachers' Essential Guide to AI Fundamentals with Apple) · education.apple.com · CSTA New Jersey