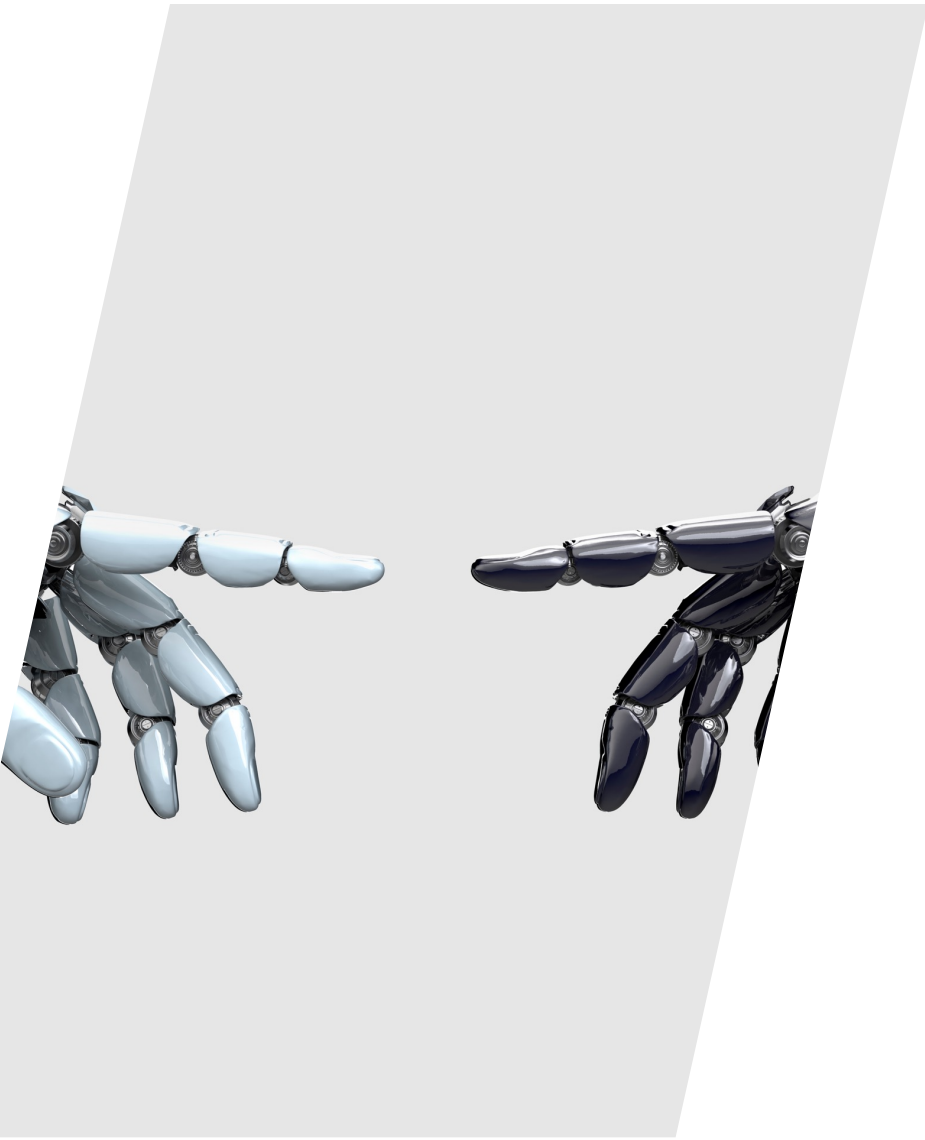


FROM PREP TO PRACTICE:
TEACHING WITH AI
IN CAREER ED

A graphic on the left side of the slide featuring two robotic hands. The hand on the left is light blue and the hand on the right is dark blue. They are positioned as if reaching towards each other, with their index fingers pointing at one another. The hands are set against a light gray parallelogram background that is tilted slightly to the right.

AGENDA

WHY AI?

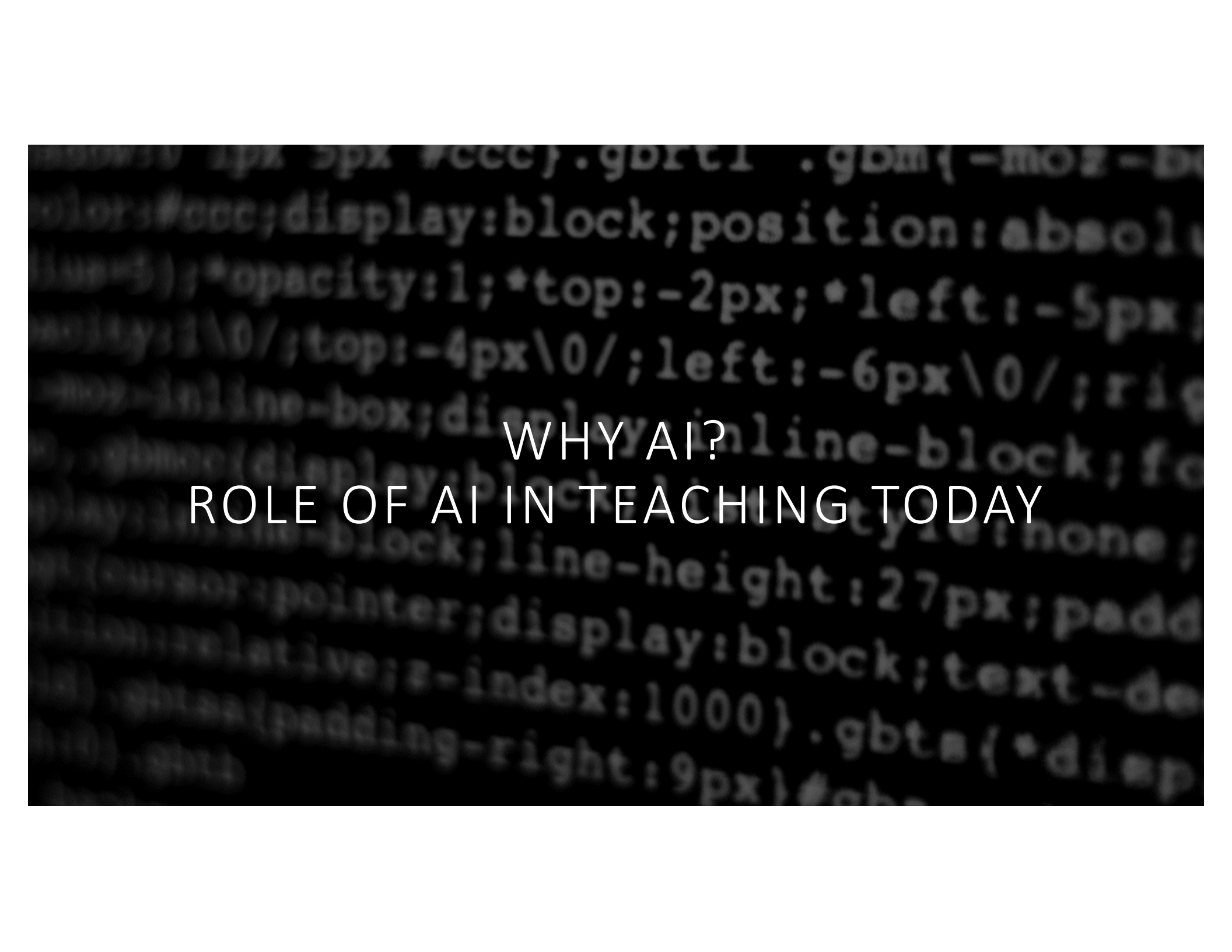
PLANNING SMARTER

RESEARCH MADE EASY

SUPPORTING EVERY LEARNER

DESIGNING BETTER COURSES



The background of the slide is a dark, blurred image of CSS code. The text is white and centered, reading "WHY AI?" and "ROLE OF AI IN TEACHING TODAY".

WHY AI?

ROLE OF AI IN TEACHING TODAY



WHY AI?

AI Tools Can:

- Enhance efficiency and student engagement across disciplines
- Streamline lesson planning and content generation
- Enhance research and information management
- Support differentiated instruction and skill building
- Assist with course design and accessibility



AI IS YOUR ASSISTANT,
NOT YOUR REPLACEMENT



REMEMBER

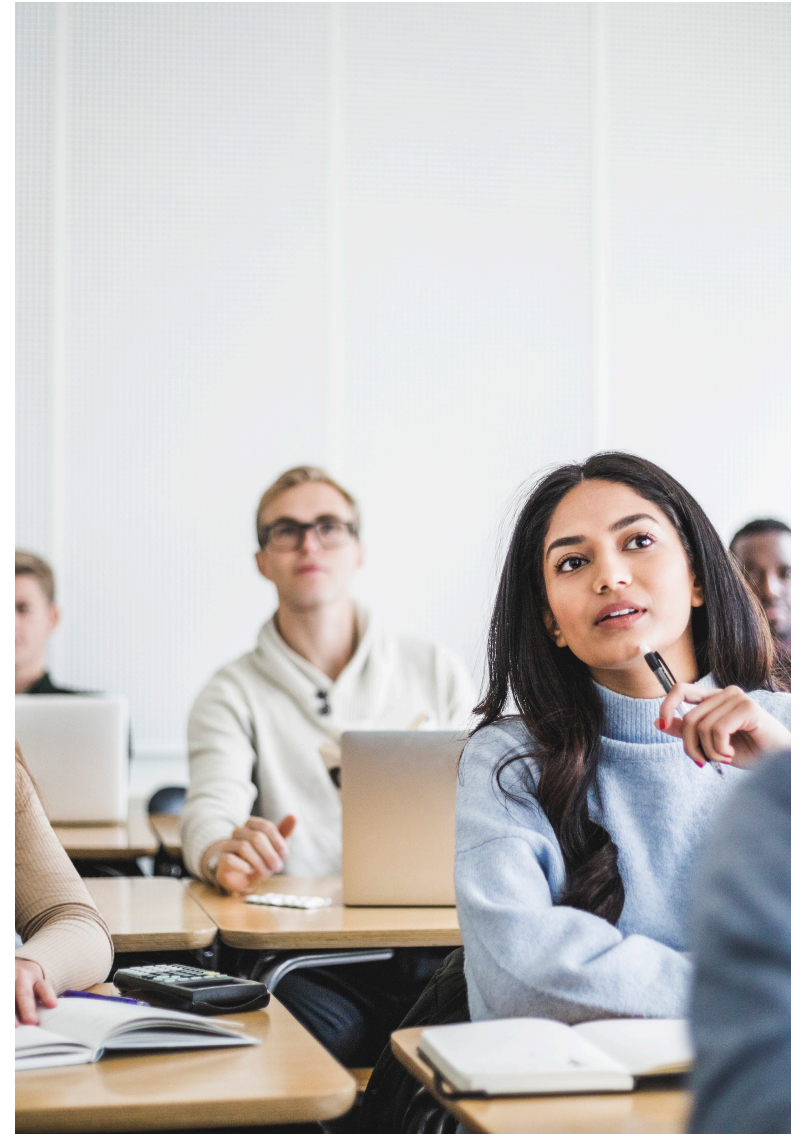
POPULAR (AND USEFUL) AI TOOLS

TOOL	USED FOR	Free Tier	Pro Subscription
ChatGPT, Gemini, Claude, DeepSeek, CoPilot	Chatbot/Assistant	✓	✓
Perplexity, Consensus, Notebook LM	Research	✓	✓
Grammarly, QuillBot	Writing Assistance	✓	✓
Canva, Midjourney, Firefly	Image and Design	Not MidJourney	✓
Sora, Veo 3, Synthesia, ElevenLabs	Video & Audio	All, but very limited	✓

LESSON PLANNING & CONTENT CREATION

TEACH SMARTER, NOT HARDER

- Reduce the time you spend on administrative tasks
- Generate learning modules and activities based on course outlines and advisory board feedback
- Create sample prompts, discussion questions, and assessments for skill building
- Reframe (scaffold) complex content for all learners
- Design scoring/feedback rubrics for your assignments
- Build slide decks and presenter notes from documents
- Quickly find OER and Creative Commons content



CAREER EDUCATION USE CASES

Cosmetology & Barbering

Create lesson outlines for skin care, haircutting, or sanitation units, then generate client consultation role-play scripts to practice soft skills.

Respiratory Care

Generate clinical scenario worksheets where students must interpret patient vitals, recommend treatment, and document care plans.

Graphic Design

Develop project briefs with specific design constraints.

Film Studies

Use AI to generate comparative analysis prompts for classic vs contemporary films or to suggest shot breakdowns for scene analysis.

Business Administration

Draft business plan sections or SWOT analysis templates for students to use or critique.

Technical Theater

Prompt AI to outline a week-long unit on lighting design, including vocabulary lists, equipment safety checklists, and sample cues from scripts.



RESPIRATORY THERAPY EXAMPLE

Sample Prompt for AI Tool

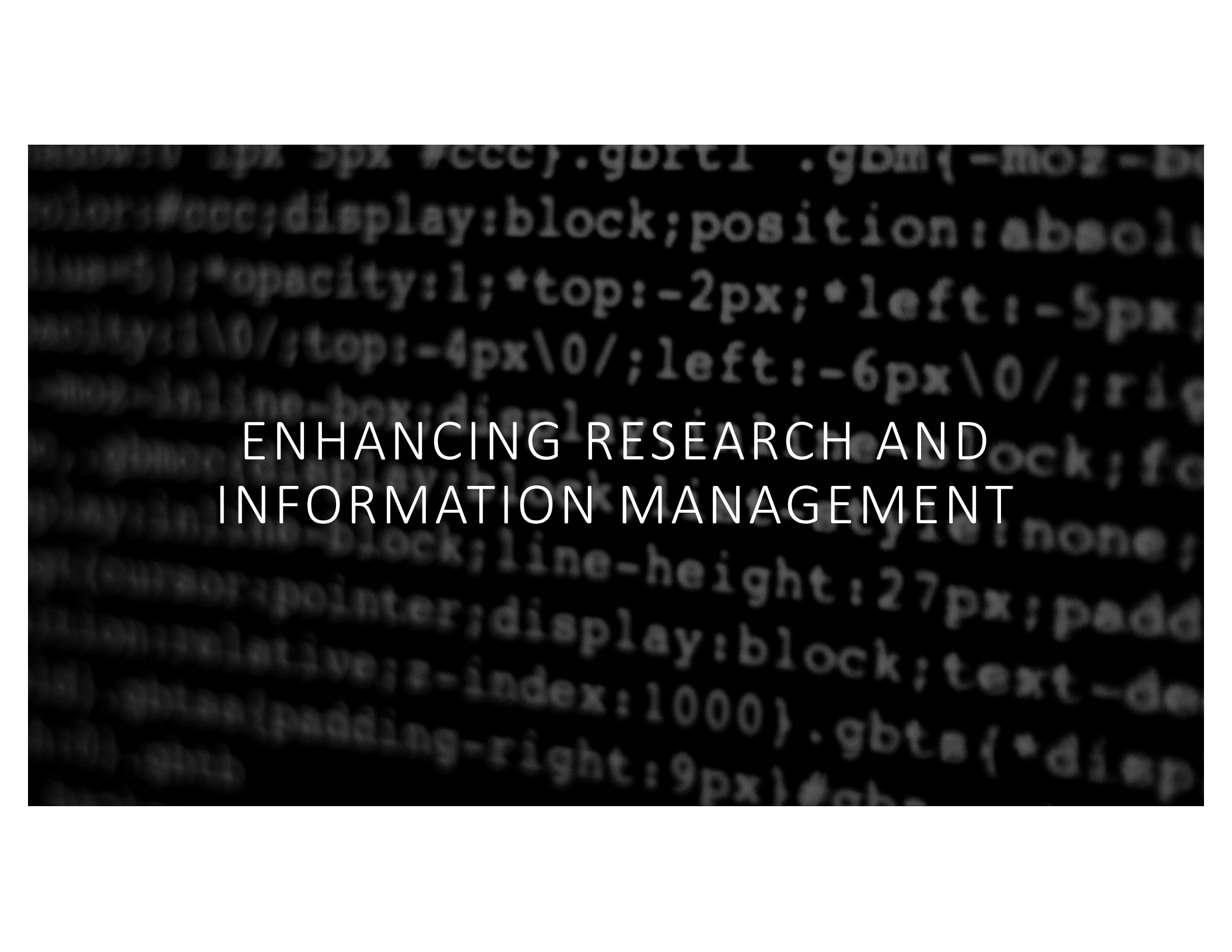
"Create a realistic clinical case study for a community college respiratory therapy course focused on the management of a patient with moderate to severe COPD exacerbation. Include relevant patient history, symptoms, vital signs, ABG results, and chest x-ray findings. Then, provide 3–5 open-ended critical thinking questions that require students to analyze the data and make care decisions (e.g., treatment recommendations, oxygen therapy choices, or ventilator settings). Keep the content at a level appropriate for second-year respiratory therapy students preparing for clinical rotations."

How An Instructor Could Use the Output

- Request that the output be used to generate a handout or discussion board assignment for class.
- Use it as an in-class case study to walk thru as a group.
- Assign for homework or as a formative assessment.
- Build a simulation or lab scenario around it.

See the Output:

[Clinical Case Study: CPOD Exacerbation Mgmt.](#)

The background of the slide is a dark, blurred image of CSS code. The code is in a light gray font and includes various properties such as 'display: block', 'position: absolute', 'opacity: 1', 'top: -2px', 'left: -5px', 'width: 100%', 'height: 100%', 'line-height: 27px', 'padding: 10px', 'text-decoration: none', 'z-index: 1000', 'padding-right: 9px', and 'color: #ccc'. The text is centered on the slide.

ENHANCING RESEARCH AND INFORMATION MANAGEMENT



RESEARCH MADE EASY(ISH)

- Organize and summarize complex information
- Generate literature reviews
- Automate data analysis for reporting or research
- Develop compelling narratives for grant applications
- Provide real time feedback
- Support decision making by analyzing data and trends; make complex connections



CAREER EDUCATION USE CASES

Program Review

Use Notebook LM to organize and analyze data from various reports. Use it to create discussion prompts for reflection and strategic planning.

Grant Writing

Leverage Perplexity to gather and summarize relevant research findings that can help with a need statement. Use AI to draft a SMART workplan.

Curriculum Development

Employ AI to find, analyze, and compare course content across institutions to identify gaps.

Policy Analysis

Use AI to dissect and interpret educational policies for departmental meetings.

Accreditation Preparation

Compile and summarize necessary documentation using AI tools.





Sources



+ Add

Discover

Select all sources



EDU-ECE HANDBOOK



EDU-ECE HANDBOOK - Academics



EDU-ECE HANDBOOK - Appendices



EDU-ECE HANDBOOK - Course Desc...



EDU-ECE HANDBOOK - Fieldwork & ...



EDU-ECE HANDBOOK - Lab School



EDU-ECE HANDBOOK - Pathways



EDU-ECE HANDBOOK - Services



EDU-ECE HANDBOOK - Student Res...



EDU-ECE HANDBOOK - Welcome



Education and Early Childhood Depar...



Chat



Program Review

13 sources

These texts provide an **overview of the Education/Early Childhood (EDU-ECE) program at Santa Monica College**, including its **mission, values, and available pathways** for students interested in early care and education careers or transfer to four-year institutions. The materials also detail **student responsibilities, fieldwork expectations, and available support services**. Furthermore, they discuss the program's **assessment processes, curriculum development, and strategies for addressing equity gaps** and responding to labor market demands, highlighting the program's **engagement with the Santa Monica Early Childhood Lab School and community partners**.

Save to note



Add note

Audio Overview

Mind Map

Studio



Audio Overview



Create an Audio Overview in more languages! [Learn more](#)



Click to load the conversation.

Load

Interactive mode

BETA

Notes



+ Add note

Study guide

Briefing doc

FAQ

Timeline

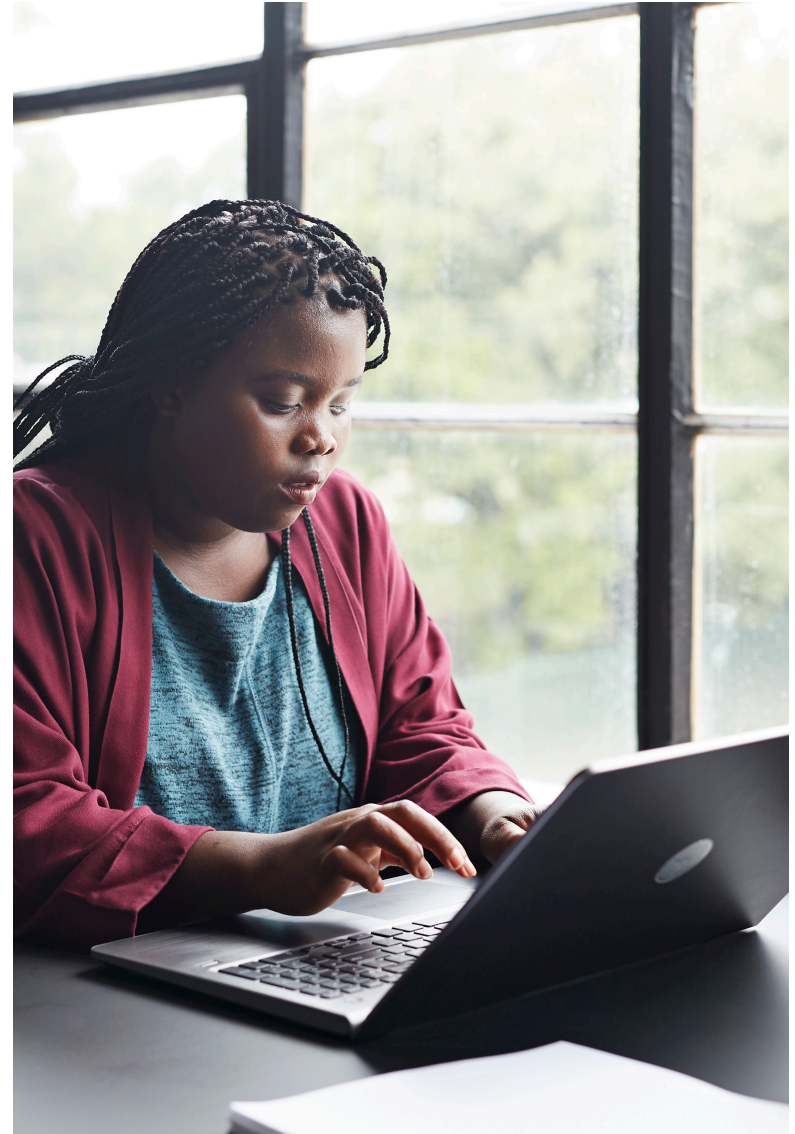


Saved notes will appear here
Save a chat message to create a new note, or click
Add note above.

DIFFERENTIATED INSTRUCTION AND PERSONALIZED LEARNING

SUPPORTING EVERY LEARNER

- Generate tiered assignments
- Design adaptive learning paths
- Create multimodal resources
- Support language diversity
- Develop personalized study guides
- Facilitate goal setting and reflection
- Enhance accessibility



CAREER EDUCATION USE CASES

Accounting

Generate practice problems that vary in complexity, allowing students to progress from basic journal entries to complex financial statements based on their proficiency levels.

CIS

Develop adaptive coding exercises that adjust in real-time to a student's skill level, providing immediate feedback and hints to guide learning.

Graphic Art & Design

Provide customized tutorials that adapt to a student's proficiency with design software, introducing more advanced tools and techniques as the student's skills develop.

Journalism

Create writing prompts that adjust to a student's writing proficiency, offering more complex reporting assignments as their skills improve, and providing real-time feedback on grammar and style.

Nursing

Develop patient care simulations that vary in complexity, enabling students to practice clinical decision-making appropriate to their current level of training.

Technical Theater

Design stagecraft projects that cater to different skill levels, from basic set design tasks for beginners to complex lighting and sound design challenges for advanced students.



Spring 2025

Home

Announcements

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BigBlueButton 

Federal Immigration
Officers on Campus?
Here's What To Do

Settings

3.25 Digging deeper with AI

Digging Deeper with AI: Extend Your Learning

You've just wrapped up one of the most important modules of our class—exploring the role of the teacher in early childhood education. Whether you're imagining yourself in a toddler classroom or working with preschoolers and families, there's a lot to take in!

This is a great time to reflect—and also to keep exploring. One great way to do that? Try using an AI tool like **ChatGPT**, **Gemini**, or **Claude** to:

- Clarify concepts or terms that felt confusing
- Practice explaining what you're learning in your own words
- Make connections between class content and your real life or future career
- Get inspired with new ideas or examples

Think of AI like a study buddy who's available 24/7 and really good at helping you brainstorm and reflect.

The Role of the Infant and Toddler Teacher

- What are 5 key qualities of a great infant or toddler teacher, and why do they matter?
- Give me an example of how a toddler teacher might build a relationship with a child who is very shy.
- Explain the difference between infant/toddler curriculum and preschool curriculum like I'm new to ECE.
- What are some real-world ways teachers support early physical development in babies?
- How can teachers support identity development in infants and toddlers?

Relationships and Responsive Care

- What does it mean to be a 'responsive caregiver' in early childhood education?
- Give me 3 examples of how a teacher might show respect for a child's home language and culture.
- Explain how attachment theory applies to early childhood settings.

Observation and Planning

AI IN COURSE DESIGN AND ACCESSIBILITY



DESIGN BETTER COURSES

- Generate HTML code to enhance the visual appeal of your Canvas course pages
- Design accessible content
- Identify and remediate accessibility issues following the most recent WCAG 2.2 guidelines
- Transcribe audio and video generate a .SRT file that can be uploaded into Canvas Studio for generating accurate captions
- Translate course materials into multiple languages



NEW PLAYLAB.AI TOOLS FROM FACULTY

Universal Access Bot

The Universal Access Bot enhances accessibility and understanding for diverse learners. It simplifies content remediation and helps instructors create materials that meet ADA standards while promoting inclusive learning environments. The bot was developed by [Elli Constantin](#).

Designer Bot

Make ADA compliant buttons, banners, tabs, accordions, and much more. You can specify color and style preference to enhance the visual design of your Canvas pages.

Joshua

Meet Joshua, your assistant for Canvas accessibility! Joshua corrects your Canvas HTML to meet WCAG AA 2.1 guidelines and converts PDFs, Word, XLSX, PPTs, and other documents to ADA-compliant code. Joshua simplifies digital content accessibility. Joshua was created for the Los Angeles Community College District by [Al Ybarra](#).

Convert PDF to Page

Upload any PDF document to convert it into an accessible Canvas page.



QUESTIONS?

TEACHING WITH AI



The background is a dark, textured surface with a faint, abstract pattern of light gray nodes and connecting lines, resembling a molecular structure or a network diagram. The nodes are small circles, and the lines are thin, creating a complex, interconnected web of shapes.

THANK YOU

Gary Huff
Huff_gary@smc.edu