

“EMBRACING
EMERGING
TECHNOLOGIES
IN COMMUNITY
COLLEGE
SPACES:
ARTIFICIAL
INTELLIGENCE
DIDACTIC AND
SHOWCASE”

Brandon C.S. Wallace, Ed.D.
2025 AAC&U Annual Meeting
Washington, DC
Friday, January 24th from 2:45
PM to 3:45 PM

ABOUT ME . . .

- Montgomery College-SOE
- Johns Hopkins University-SOE
- BCPSS (Teacher & Dept. Chairperson), MCPS (English Instructor), OSSE (RTI Specialist), PGCPS (CEIS), UT (National Director)
- Wallace, B. C., & Abel, Y. (2025). Embracing Artificial Intelligence (AI) Tools to Enrich Special Education Teacher Preparation. In *Transforming Special Education Through Artificial Intelligence* (pp. 325-354). IGI Global.



RAISE THE ALARMS . . .ABOUT CALCULATORS



Major Issues (from the 1970s)

New technology was not fully understood.

New technology would be appropriately utilized by educators.

Varying impacts and effects on students.

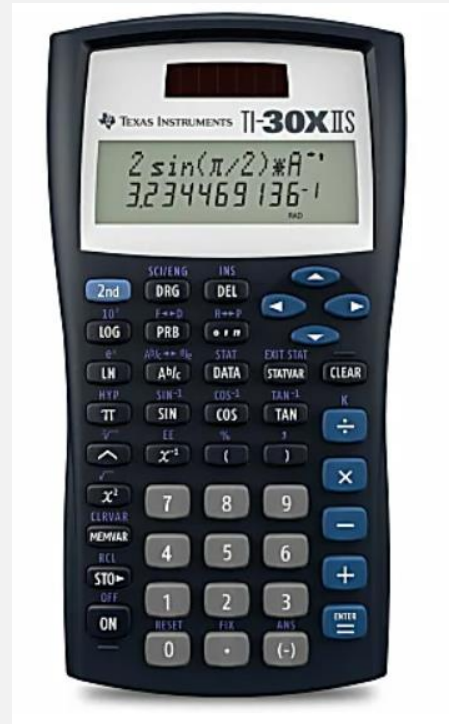
Curricula changes for technology inclusion.

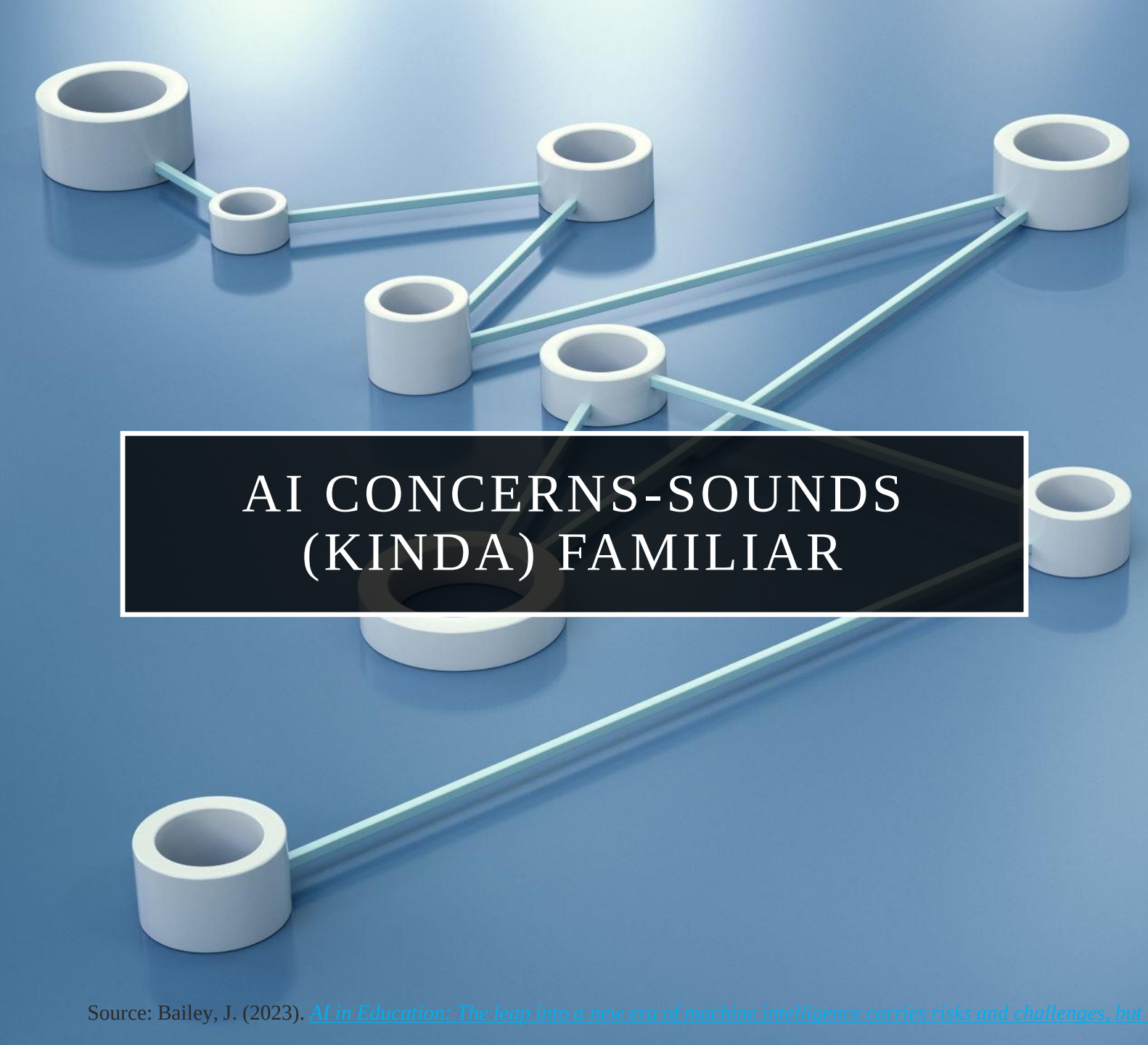


**Some educators feared
that students would not
be able to retain their
knowledge.**



**Some educators feared
in the reduction of
teacher-student
interaction**





AI CONCERNS-SOUNDS (KINDA) FAMILIAR

Lack of training and technical assistance

Appropriate use

Bias in AI algorithms: AI systems learn from the data they are trained on. If this data contains biases, those biases can be learned and perpetuated by the AI system.

Decreased social connections

Overreliance on technology

Equity issues

TEACHER PREPARATION IN A NUTSHELL

Teachers Learn

Content knowledge: Teachers learn about the subject matter they will teach

Pedagogy: Teachers learn how to teach the subject matter

Student understanding: Teachers learn how to assess student understanding

Instructional design: Teachers learn how to design lessons and assessments

Teachers Do

Create lesson plans: Teachers plan learning activities, assessments, and lesson sequences

Design classrooms: Teachers design their classrooms to support learning

Create rules: Teachers create rules for their classrooms



ARTIFICIAL INTELLIGENCE MEETS TEACHER PREPARATION

Figure 1. Artificial Intelligence (AI) Gadget and Website Scavenger Hunt and Critique Assignment Cycle

Search and find an artificial intelligence tool that supports students with disabilities.

Create a micro-presentation to share your findings of your selected AI Tool.

Create a one-page, snapshot of the tool and its utility for students with disabilities.

Text to Speech - AI tools for students

AI Gadget and Website Scavenger Hunt

ASSEMBLYAI

Assignment Instructions

slideshow.mp4

 Socratic by Google

ATTEMPT 11/10/24 7:58 PM

SafeAssign

Submission

- video11
- Assembl
- Assembl

Assignment Details

GRADE LAST GRADED ATTEMPT

VEED

MagicSchool MagicStudent

Search Tools

Favorites Change Order

- Vocabulary List Generator Generate a list of vocabulary words based on a subject, topic, or text that o
- Behavior Intervention Suggestions Generate a list of suggestions for behavior intervention based on the...

Recommended For You

- Decodable Texts Generate a decodable text based on the Science of Reading to support early...
- Academic Content Generate original academic content customized to the criteria of your choic

An A-Mazing Way to Deal with Change in Your Work and in Your Life

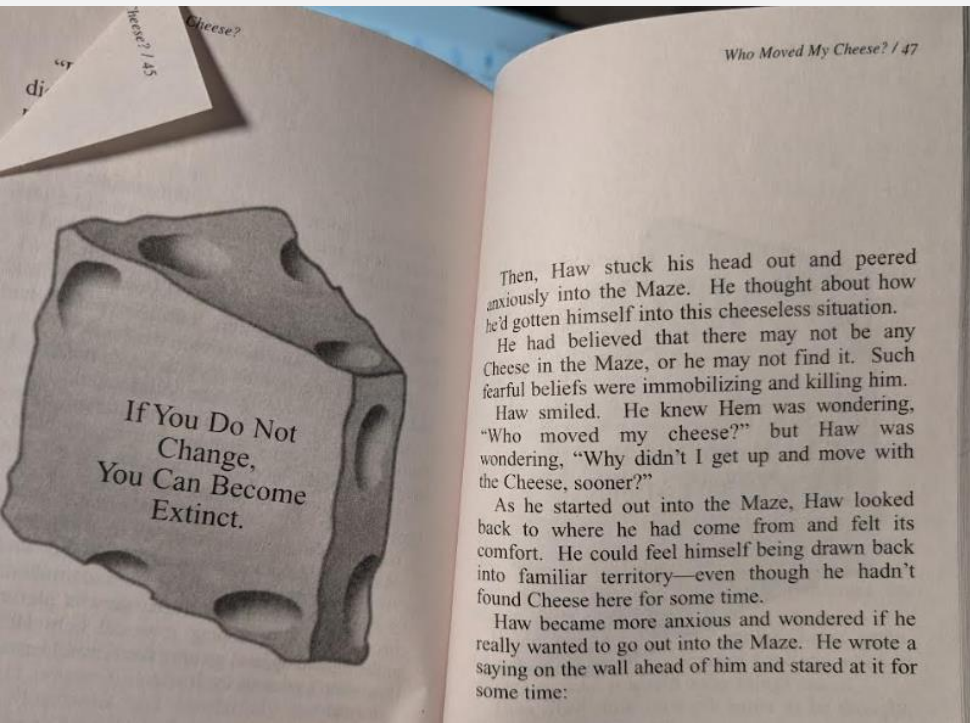
Who Moved My Cheese?

Spencer Johnson, M.D.

Foreword by Kenneth Blanchard, Ph.D.

coauthors of **The One Minute Manager**

The World's Most Popular Management Method



WHO'S MOVIN' YOUR CHEESE?

- *Who Moved My Cheese?* is a simple parable that reveals profound truths. It is an amusing and enlightening story of four characters who live in a maze and look for cheese to nourish them and make them happy. One of the most successful business books ever” –*Daily Telegraph*

Shout out
to Prof.
Dana
Baker

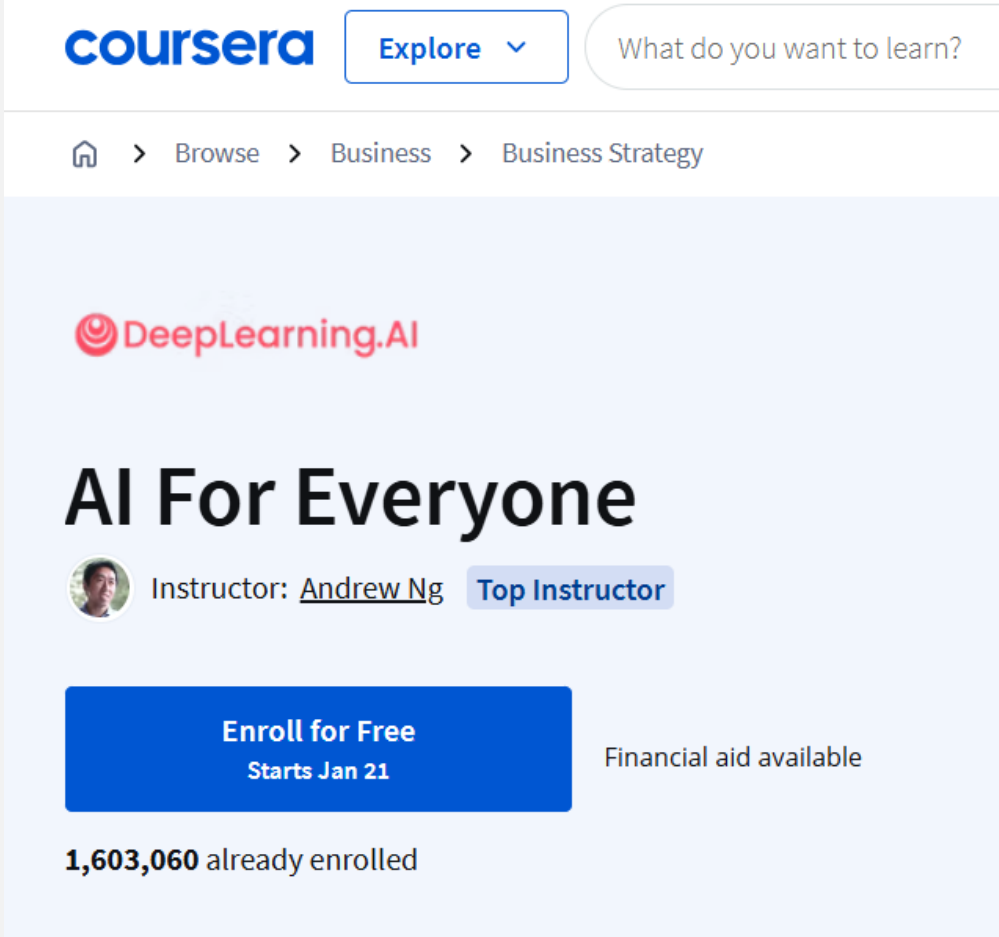
JOIN THE BELOVED COMMUNITY



The graphic features a large, stylized 'A' made of glowing circuitry on a dark blue background. To the right, the text 'Pearson ED.tech' is displayed in a clean, sans-serif font, with 'SYMPOSIUM' in a smaller font below it. The entire graphic is framed by a white border with teal and black geometric accents.

Pearson ED.tech
SYMPOSIUM

Thank you for attending
Pearson Ed Tech Symposium 2024: Empowering
Educators with AI



The image shows a screenshot of the Coursera website for the 'AI For Everyone' course. The Coursera logo is in the top left, and a search bar is in the top right. The breadcrumb trail reads 'Home > Browse > Business > Business Strategy'. The course title 'AI For Everyone' is prominently displayed, along with the instructor's name 'Andrew Ng' and a 'Top Instructor' badge. A blue button says 'Enroll for Free Starts Jan 21', and text to the right says 'Financial aid available'. At the bottom, it states '1,603,060 already enrolled'.

coursera Explore ▾ What do you want to learn?

Home > Browse > Business > Business Strategy

DeepLearning.AI

AI For Everyone

Instructor: Andrew Ng **Top Instructor**

Enroll for Free
Starts Jan 21

Financial aid available

1,603,060 already enrolled

DIVE DEEPER

Wallace, B. C., & Abel, Y. (2025). Embracing Artificial Intelligence (AI) Tools to Enrich Special Education Teacher Preparation. In *Transforming Special Education Through Artificial Intelligence* (pp. 325-354). IGI Global.



Chapter 12 Embracing Artificial Intelligence (AI) Tools to Enrich Special Education Teacher Preparation

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ABSTRACT

The preparation of special education practitioners is a field that is ever-evolving. To that end, this paper aims to demonstrate the utility and increased opportunity of embedding artificial intelligence (AI) tools within the preparation programs of special educators, particularly as it is contextualized within the community college space. Additionally, this paper attempts to establish an abbreviated research base for AI within education-centered literature, particularly as this piece illustrates the impact of community college and specific coursework that is used to provide learning opportunities for students studying the fundamentals of special education. Last, this document illustrates how AI may be used as an engaging component to special education coursework to improve the ways in which special education teacher-educators, i.e., research-practitioners who train and provide academic and professional development for special educators, design and develop coursework within settings of teaching and learning.

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STAYING TWO CHAPTERS AHEAD OF OUR STUDENTS BY EMBRACING CHANGE...

The screenshot shows the Merriam-Webster website with the word "embrace" searched. The page is divided into a left sidebar and a main content area. The sidebar includes a "Dictionary" header, a "Definition" section with a red "verb" tab selected, and a list of navigation options: "noun", "Synonyms", "Synonym Chooser", "Example Sentences", "Word History", "Entries Near", and "Show More". A "Save Word" button is at the bottom of the sidebar. The main content area displays the word "embrace" with its phonetic transcription "im-'brās", part of speech "verb", and various definitions and synonyms. The definitions are numbered 1 through 4, each with a part of speech (a or b) and a brief explanation. Synonyms are listed in blue text.

embrace 1 of 2 **verb**

em·brace (im-'brās)

embraced; embracing

[Synonyms of embrace >](#)

transitive verb

1 a : to clasp in the arms : **HUG**

b : **CHERISH, LOVE**

2 : **ENCIRCLE, ENCLOSE**

3 a : to take up especially readily or gladly
| *embrace a cause*

b : to avail oneself of : **WELCOME**
| *embraced the opportunity to study further*

4 a : to take in or include as a part, item, or element of a more inclusive whole
| *charity embraces all acts that contribute to human welfare*

b : to be equal or equivalent to
| *his assets embraced \$10*

Roughly 86% of college students say they use AI in their studies, a new global survey of college students by the Digital Education Council suggests.

Among them, 54% say they use it weekly.

Another 24% rely on it daily.

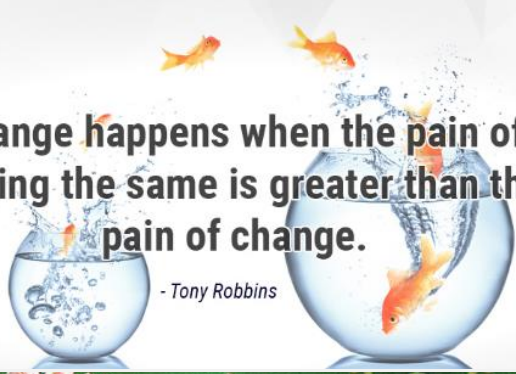
What are college students using AI for right now?

- Checking grammar: 42%
- Summarizing documents: 33%
- Paraphrasing documents: 28%
- Creating a first draft: 24%

QUOTES TO HELP EMBRACE *THE* EMERGING

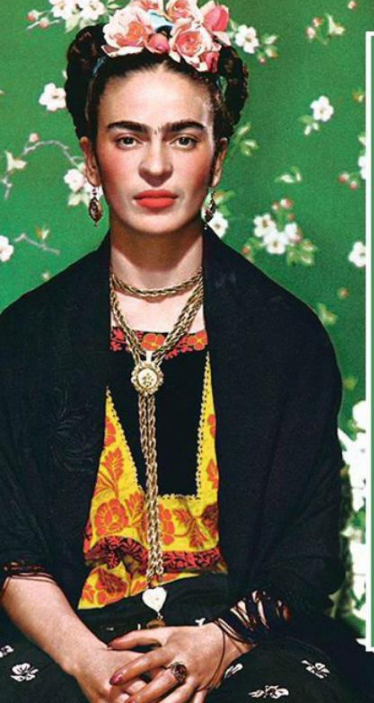
“Change happens when the pain of staying the same is greater than the pain of change.”

- Tony Robbins



I used to think I was the strangest person in the world but then I thought there are so many people in the world, there must be someone just like me who feels bizarre and flawed in the same ways I do. I would imagine her, and imagine that she must be out there thinking of me too. Well, I hope that if you are out there and read this and know that, yes, it's true I'm here, and I'm just as strange as you.”

Frida Kahlo



Grab the broom of anger and drive off the beast of fear.

— Zora Neale Hurston —

AZQUOTES

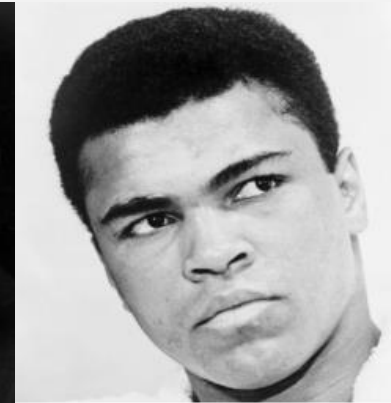
"Only when we are brave enough to explore the darkness will we discover the infinite power of our light."

Brené Brown



The only thing we have to fear is fear itself.

Franklin D. Roosevelt



“We can't be brave without fear.”

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???QUESTIONS???

