



Education & Employment Committee

January 17, 2024

1:00 PM

Morris Hall (17 HOB)

Meeting Packet

**Paul Renner
Speaker**

**Ralph Massullo
Chair**

Committee Meeting Notice

HOUSE OF REPRESENTATIVES

Education & Employment Committee

Start Date and Time: Wednesday, January 17, 2024 01:00 pm
End Date and Time: Wednesday, January 17, 2024 03:00 pm
Location: Morris Hall (17 HOB)
Duration: 2.00 hrs

Presentation and Discussion on the Future of Artificial Intelligence (AI) in Education

To submit an electronic appearance form, and for information about attending or testifying at a committee meeting, please see the "Visiting the House" tab at www.myfloridahouse.gov.

NOTICE FINALIZED on 01/12/2024 4:16PM by Pearson.Misty

The Potential of AI in Education



The potential of AI in Education

A brief history of AI

Artificial Intelligence

Machine Learning

Deep Learning

Generative AI

1950s

Artificial Intelligence

the field of computer science that seeks to create intelligent machines that can replicate or exceed human intelligence.

1959

Machine Learning

subset of AI that enables machines to learn from existing data and improve upon that data to make decisions or predictions.

2017

Deep Learning

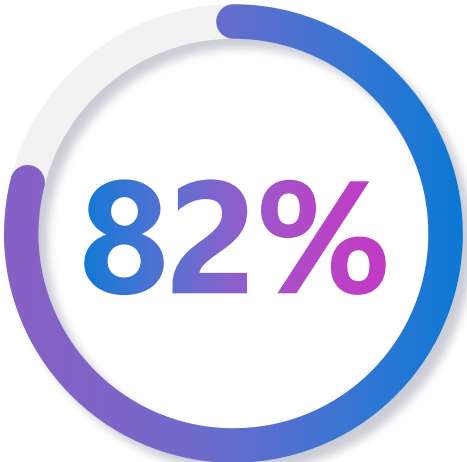
a machine learning technique in which layers of neural networks are used to process data and make decisions.

2021

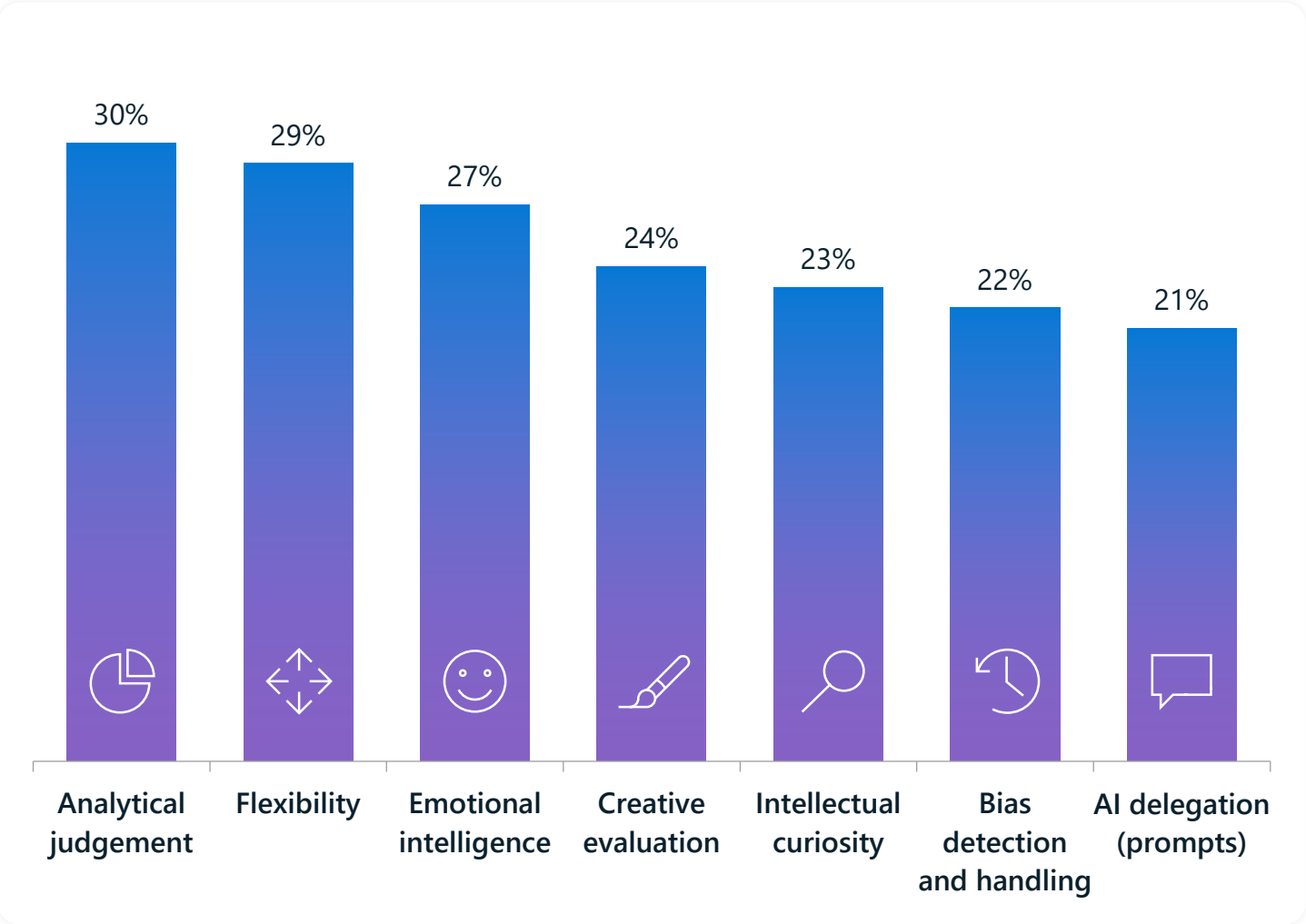
Generative AI

create new written, visual, and auditory content given prompts or existing data.

Students need key skills required for the AI era



of leaders say employees will need new skills to prepare for AI



Source: 2023 Work Trend Index

Education professionals can benefit from AI

64%

Employees lack time &
energy to do their job

3.5X

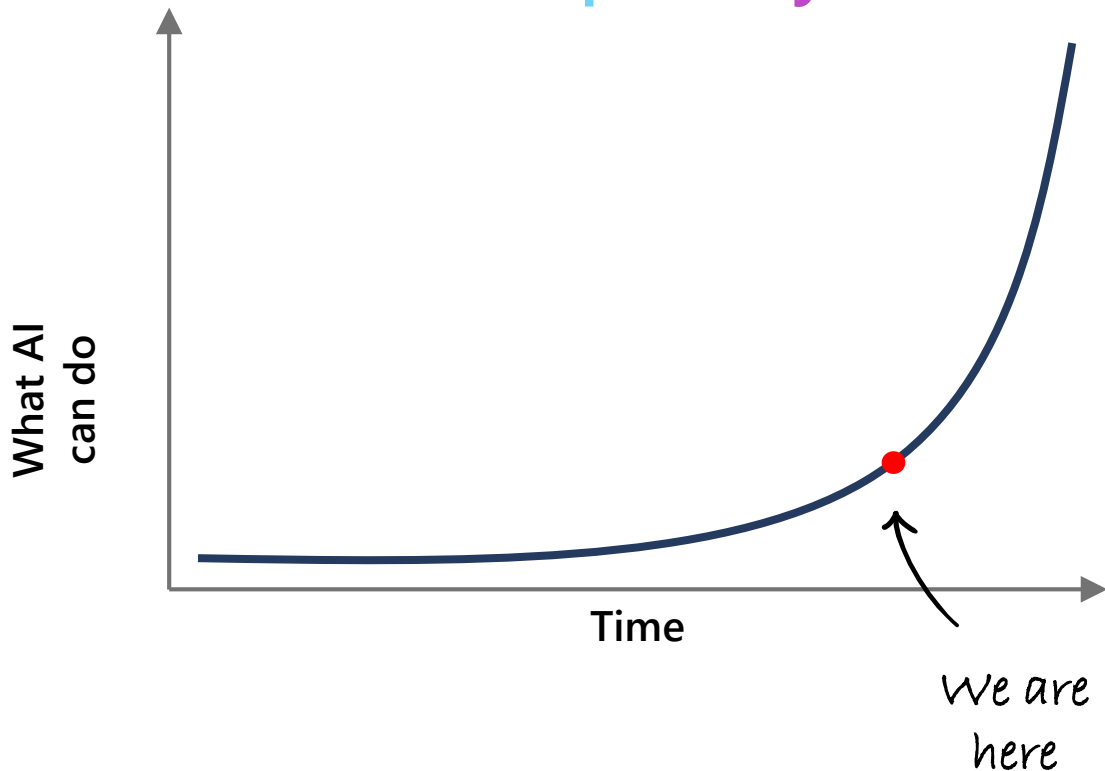
More likely to struggle
with strategic thinking

70%

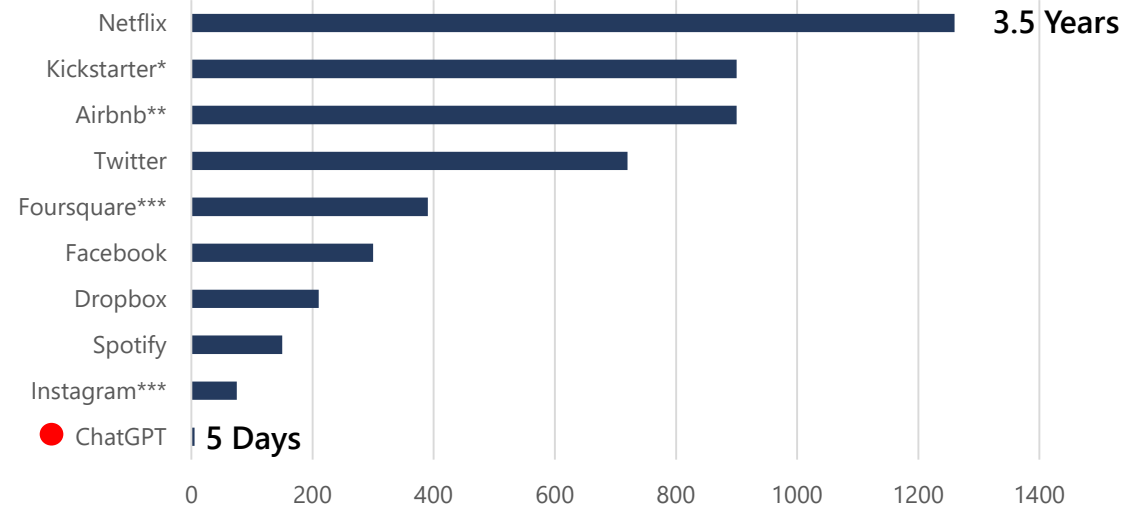
Employees willing to
delegate work to AI

Both AI capability & adoption are growing at an **unprecedented rate**

Capability

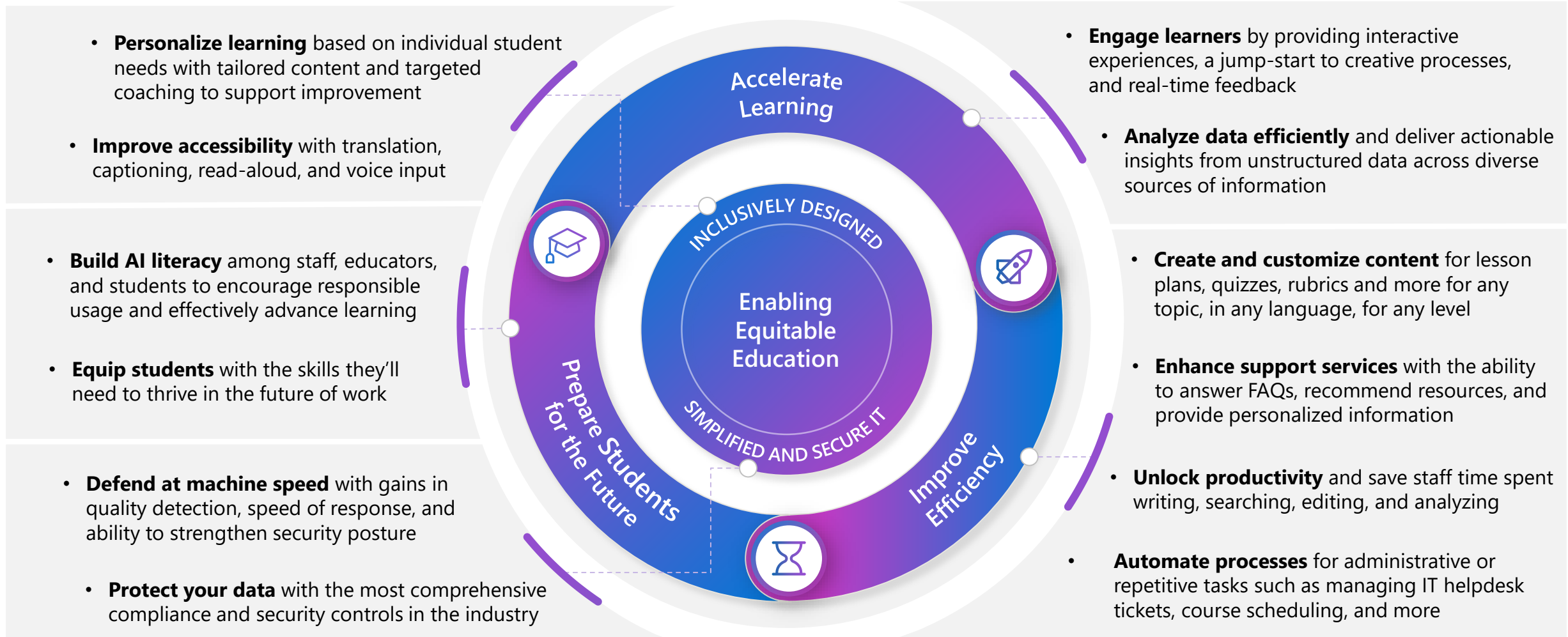


Days to reach 1M users



*1 million backers, **1 million nights booked, ***1 million downloads

Opportunities for AI in Education



AI can reinvent Education

Maximize the value
of your data

Connect data sources and develop insights across the student journey

Explore ways to
accelerate learning

Deliver personalized, engaging learning experiences and prepare students for the future

Identify
opportunities to
improve efficiency

Enhance support services and automate processes for administrative or repetitive tasks

Empower your
faculty and staff

Save time spent writing, searching, editing, and analyzing to focus on what matters most

The Responsible AI Standard's Goals at a Glance

Accountability

- A1: Impact Assessment
- A2: Oversight of significant adverse impacts
- A3: Fit for purpose
- A4: Data governance and management
- A5: Human oversight and control

Transparency

- T1: System intelligibility for decision making
- T2: Communication to stakeholders
- T3: Disclosure of AI interaction

Fairness

- F1: Quality of service
- F2: Allocation of resources and opportunities
- F3: Minimization of stereotyping, demeaning, and erasing outputs

Reliability & Safety

- RS1: Reliability and safety guidance
- RS2: Failures and remediations
- RS3: Ongoing monitoring, feedback, and evaluation

Privacy & Security

- PS1: Privacy Standard compliance
- PS2: Security Policy compliance

Inclusiveness

- I1: Accessibility Standards compliance



Thank you!



Khan Academy Districts and Khanmigo

Sal Khan - CEO and founder of Khan Academy

Renee Venegas - Senior Southeast Regional Sales Manager

Jason Hovey - Director School Partnerships

Khan Academy Mastery Courses

Math

BEST-aligned courses: grade 3 through Algebra 2

Get Ready for Grade-Level:

Grades 3-12 prerequisite skill practice, including AP Stats and AP Calculus

High School:

- Algebra 1 & 2
- Geometry
- Trigonometry
- Statistics and Probability
- Precalculus
- Integrated Math 1/2/3

Advanced Placement & Early College:

- Calculus AB
- Calculus BC
- Multivariable Calculus
- College Algebra
- Statistics

Financial Literacy Coming for BTS 2023-24

Science

Middle School:

- Physics
- Earth and Space Science
- Biology

High School:

- Biology
- Physics

Advanced Placement:

- Biology
- Physics 1
- Chemistry
- Environmental Science

Test Prep

Digital SAT

Life Skills

Internet Safety

Humanities

Upper Elementary through High School:

- Grammar

High School:

- US History
- US Government and Civics
- World History - Origins to Present
- World History - 1750 to Present

Advanced Placement:

- US History
- US Government and Politics
- World History (New for 23-24)

Economics

Advanced Placement:

- Macroeconomics
- Microeconomics

Computing

AP Computer Science Principles

Khanmigo Rollout 2023-2024

- **40+ District partners across the country**
- **60K+ Students and 4K Teachers**
- **Indiana State Level Grant**
 - DOE and Secretary of Education issued grant to reimburse districts interested in AI based pilot for student support
 - 21 out of 24 approved districts participating
 - Roughly 25K students and 2K teachers
- **Ohio**
 - Intel funded \$300K for Khanmigo partnerships with Ohio school districts as part of their work with DOE
- **Research studies underway**
 - 70% of teacher respondents rated Khanmigo a “helpful” or “very helpful” teacher’s assistant.
 - Students described Khanmigo as “conversational, makes me feel understood, kind, respectful, patient, and clear.”
77% of students who responded to the end of 2022-2023 school year Spring Pilot survey rated Khanmigo a 4 or 5 (on a 5-point scale) when asked “How much did Khanmigo feel like a good tutor?”
 - Saving an estimated minimum of 5 hours of teacher time per week based on partner district Milpitas Unified

Khanmigo State Level Conversations

- **Indiana**
 - Expansion of DOE grant pilot across the state to fund district adoption
- **North Carolina**
 - Legislative committee in process of creating appropriations bill to fund Khanmigo for all students and teachers
- **New Hampshire**
 - Working on Spring pilot that would fund Khanmigo access to thousand of interested teachers for remainder of this year
 - DOE and Commissioner wants to use ESSER funds to pay for teacher and student access for 2024-25
- **Idaho**
 - Meeting in February with head of education committee to work on possible legislative funding for Khanmigo access for all teachers and students
- **Washington**
 - Working with Secretary of Education on funding for all students and teachers

Khanmigo in Florida

- **Palm Beach County**
 - Just kicked off pilot for 21K high school students and 1300 teachers for remainder of school year
 - Expanding to over 100K students in 6th - 12th grade + adult education and 7000 teachers for 2024-2025 school year
 - Partnership is being supported with local donor funding who is contributing \$2 million to cover costs of rollout
- **Osceola County**
 - Khan Academy Partnership supports 21k high school students
 - Khanmigo pilot at Liberty HS working with 1400 students & 75 teachers
 - Khanmigo funded by federal grant