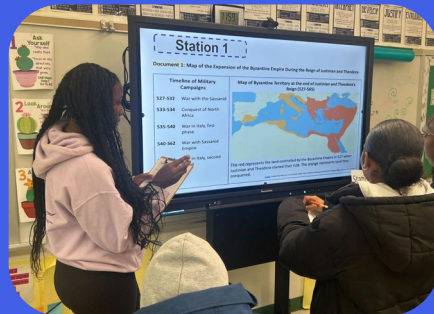




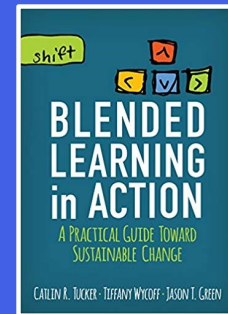
AI & Equity
Understanding AI and AI
Equity



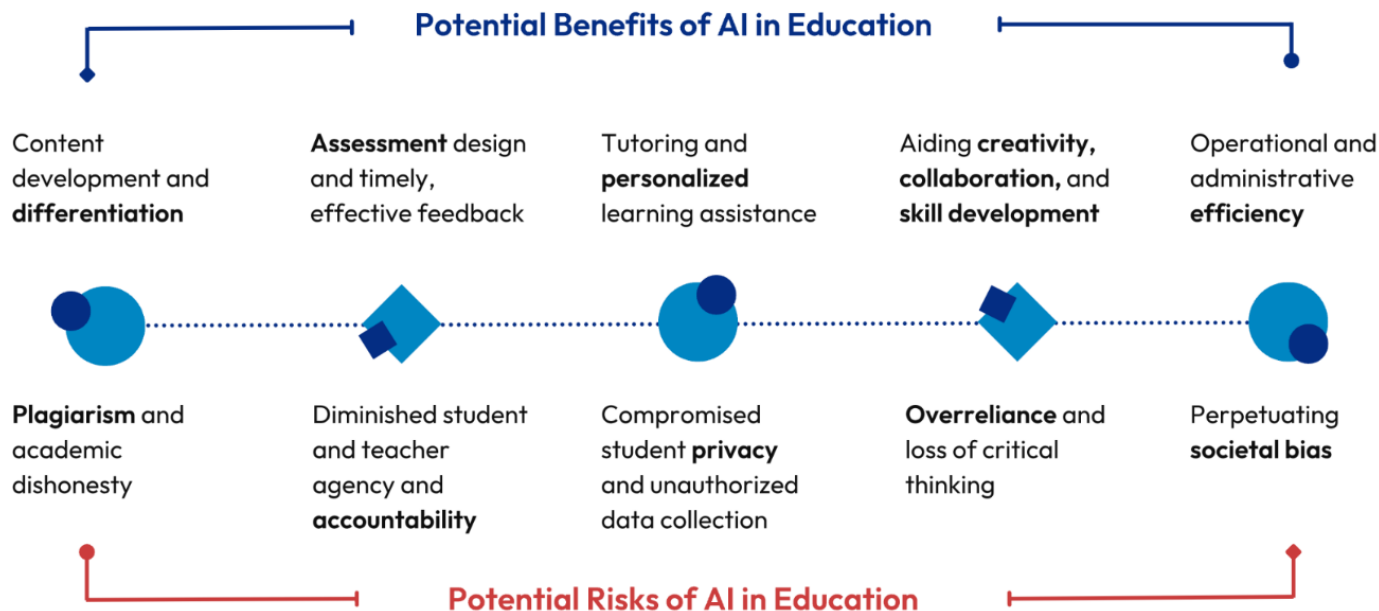
Who we are

We are a learning innovation and tech company that makes learning more personal for students, and instruction more efficient, effective and impactful for teachers.

We make innovation happen. We have fun. We make PD fun.



Benefits and Risks of AI in Education



Teach AI

Skin Tone Bias in Gen AI

Lighter skin
I II III

Darker skin
IV V VI

High-paying occupations

ARCHITECT

LAWYER

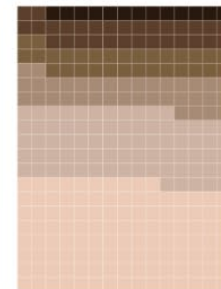
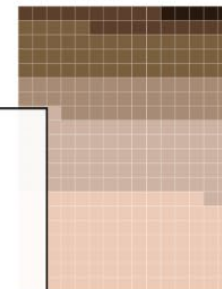
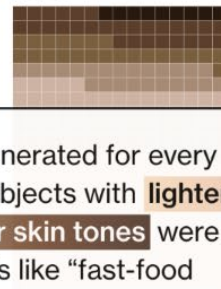
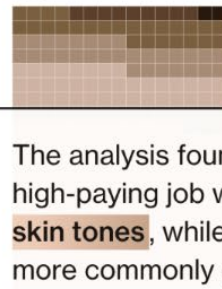
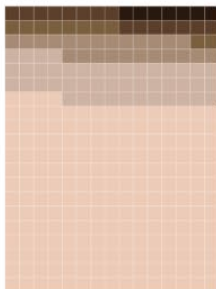
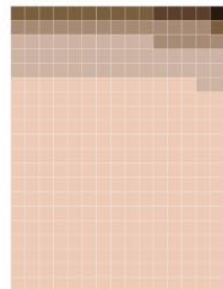
CEO

POLITICIAN

JUDGE

ENGINEER

DOCTOR



The analysis found that image sets generated for every high-paying job were dominated by subjects with **lighter skin tones**, while subjects with **darker skin tones** were more commonly generated by prompts like “fast-food worker” and “social worker.”

Low-paying occupations

TEACHER

HOUSEKEEPER

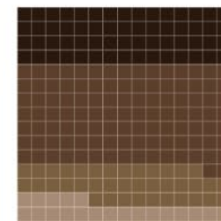
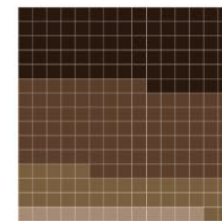
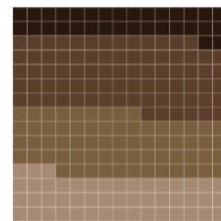
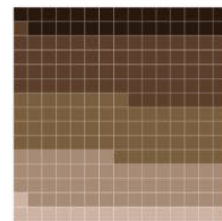
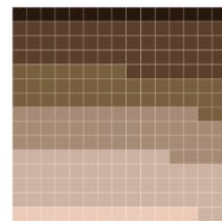
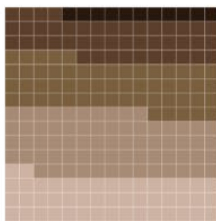
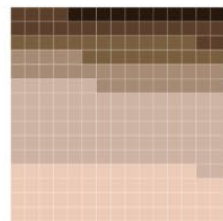
CASHIER

JANITOR

DISHWASHER

FAST-FOOD WORKER

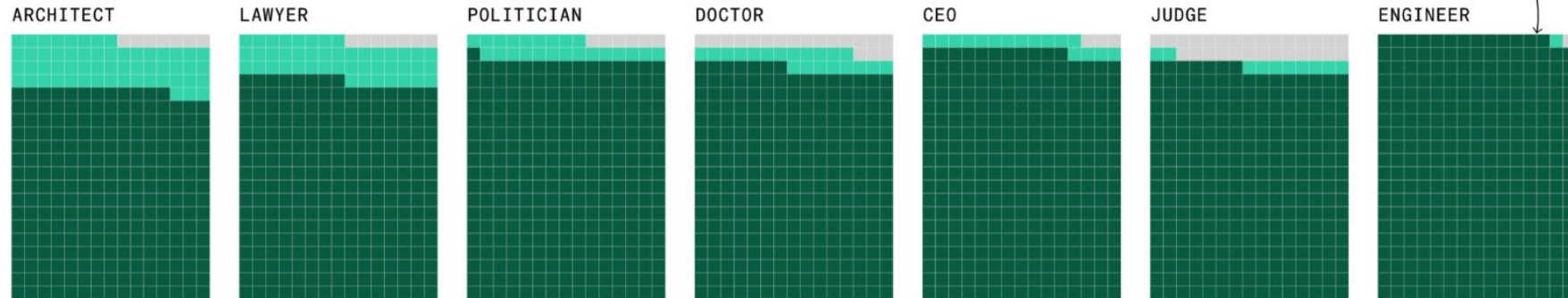
SOCIAL WORKER



Gender Bias in Gen AI

Perceived Gender: ■ Man ■ Woman ■ Ambiguous

High-paying occupations



Low-paying occupations



Racial and Gender Bias in Gen AI



You

Generate an image of a surgeon



image generator

Sure! Could you please provide more details about the surgeon you'd like to see in the image? For instance, would you like to specify the surgeon's gender, age, ethnicity, or any particular setting (like an operating room or clinic)? Also, do you want them to be performing surgery, consulting with a patient, or perhaps posed in a portrait style? The more details you provide, the better I can tailor the image to your preferences!



You

Any ethnicity, middle aged, doing surgery on the heart

Racial and Gender Bias in Gen AI



image generator



Here is the image of a middle-aged surgeon performing heart surgery in an operating room. Let me know if there's anything you'd like to adjust or add!





2030



30%

New job alert: Prompt engineering

Prompt engineering is a concept in artificial intelligence, particularly natural language processing (NLP). In prompt engineering, the description of the task is embedded in the input, e.g., as a question, instead of it being implicitly given.



Our Approach to AI & Equity



The human in the loop

HOW AI AND INNOVATIVE TEACHING CAN
FOSTER INCLUSIVE LEARNING







Culturally Responsive Teaching by LINC

By Cassandra Corbin-Thaddies

Use this tool to remix your traditional lesson plan with culturally responsive teaching...

[Use tool](#)

[Edit](#)



Photosynthesis - Culturally Responsive Lesson Planning

Relevant to African American culture

Relatability:

- Connect the phases of photosynthesis to real-life examples from the students' communities, such as community gardens or local environmental initiatives
- Discuss how understanding photosynthesis can help address environmental issues that impact African American communities

Inclusivity:

- Encourage students to share any personal experiences or knowledge related to plants, gardening, or environmental sustainability during the lesson
- Challenge any potential cultural biases by ensuring that all examples and explanations are inclusive and do not exclude the experiences of African American students

Differentiated Instruction:

- Provide opportunities for collaborative group tasks where students can work together to explore and understand each phase of photosynthesis
- Offer hands-on activities or experiments related to photosynthesis that cater to different learning preferences, such as visual, auditory, or kinesthetic



Thank you

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