AGENDA

o 2:10 – 2:20 Academy Welcome, Announcements, and Introduction

o 2:20 – 2:55 Prompt Basics + TRACI Framework & Prompting Warm-up

o 2:55 – 3:00 Break

o 3:00 – 3:40 Sandbox Activity – AI and Curriculum Design Exercise

o 3:40 – 4:00 Debrief & Retreat Conclusion

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ANNOUNCEMENTS

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Health Professional Education Innovation (HPEI)
2025 Grant Recipients

Julie Barzilay, MD, MPhil
Developing a Trauma-Informed and Family-Centered Educational Toolkit for Family Meetings on the Pediatric Hospital Medicine Floor Using Qualitative Methods and Co-Design

Kate Donovan, PhD, MBA, MS & Elizabeth-Anne King DNP, RN, NE-BC, CPN, CPHQ
CyranoHealth 2.0: Advancing Augmented Reality Training for Nursing Education with Apple Intelligence Integration

Megan Hannon, MD
Development of Pediatric Orthopedic Medicine Curriculum Standard

Courtney Verscaj, MD
Enhancing the Education of Bedside Providers on Neonatal Genetic Diagnosis

Jayme Wilder, MD
Enhancing Pediatric Clerkship Feedback: Evaluating the Impact of Core Faculty on EPA Evaluation and Meaningful Feedback for Students

2025 – 2026 BCH Academy Request for Applications

June 3rd – July 11th

BCH Academy Membership AY24-25 Annual Report

June 17th – August 11th

Today's Facilitators

CEEI Team & Academy Education Leads

Ellen Brennan, PT, DPT, PCS
Alex Butler, MD
Derrick Chu, MD
Kate Donovan, PhD, MBA, MS
Julie Ecker, BA, CAPM
Kaytlyn Hope, MHA, C-TAGME
Andy Lamberto-Wilson
Donna Luff, PhD
Lauren Giancola, RN, AE-C
Alan Leichtner, MD, MSHPEd
Kelsey Miller, MD, EdM
Colleen Molinari, MSN, RN
Lori Newman, MEd
Jill O'Hara, MD, MPH
Dan Schwartz, EdM
Traci Wolbrink, MD, MPH

Brett Adkins
Tim Driscoll
Sarah Lindenauer, MPH
Dinesh Rai, MD

BCH Computational Health Informatics Program (CHIP)

Tony Manry, MS, MBA
Timothy Miller, PhD

Objectives

- Identify the basics of generative AI and large language models (LLMs)

- Learn and practice using the TRACI Prompting Framework

- Use AI to develop four elements of Kern's curriculum design model

- Reflect on what AI can and cannot do well

- Leave with tools and confidence to integrate AI into their own work

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FDA Announces Completion of First AI-Assisted Scientific Review Pilot and Aggressive Agency-Wide AI Rollout Timeline

CNET
YOUR GUIDE TO A BETTER FUTURE

Trending   AI   Tech   Money   Home   Wellness   Home Internet

ai atlas > Tech > Services & Software

OpenAI Launches HealthBench, a Dataset That Benchmarks Health Care AI Models

This is a major leap by the ChatGPT creator into health care.

FAST COMPANY

05-12-2025 | FUTURE OF HEALTH

How AI is changing your doctors appointments

Healthcare still runs on technology from 1876. AI will change that

SHARE

[Source Illustration: Freepik]

Healthcare IT News

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What providers can do to resolve AI adoption challenges

Providers deal with integration issues and regulation difficulties in implementing AI and data analytics, says Tan Bin Ru, president of Enterprise Digital at ST Engineering.

By   ST Engineering | May 12, 2025 | 05:59 PM

Forbes

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INNOVATION

Dystopian Or Divine? AI And The Future Of Digital Twins In Healthcare

By Mika Newton, Forbes Councils Member.
for Forbes Technology Council, COUNCIL POST | Membership (fee-based)

May 13, 2025, 08:30am EDT

AMA
Join   Renew

CHANGEMEDED INITIATIVE

AI in medical education

UPDATED   May 8, 2025 | 4 Min Read

INSIDER MONKEY

Palantir Technologies (PLTR): AI Partnership with Joint Commission Targets Healthcare Innovation

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May 12, 2025 05:00 AM | UPDATED 18 HOURS AGO

AI health risk assessments aim to boost Medicare Advantage pay

NONA TEPPER   X

What is
Artificial
Intelligence

Types of AI

Narrow AI

Generative AI

ChatGPT

Gemini

Copilot

Claude

General AI

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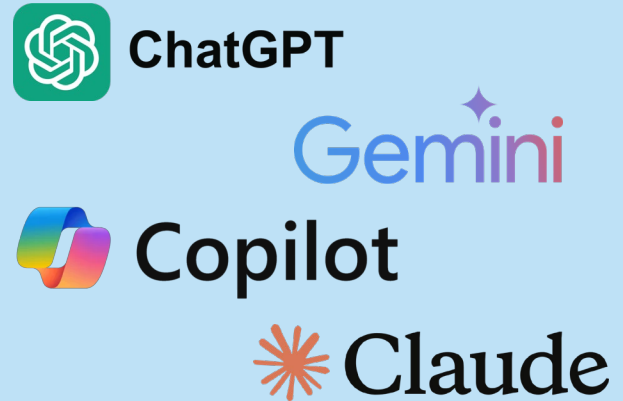
Large Language Models (LLM)

o Type of AI trained on vast amounts of text to predict and generate language in a way that feels human.

o It doesn't "think" or "understand" like a human
  o uses probability to figure out the most likely next word, sentence, or idea based on what you've asked it

"It's not that they know things – it's that they act like they know things, and that can be incredibly powerful."
– Ethan Mollick

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Large Language Models (LLM)

o LLMs are prediction engines. They don't know facts; they know patterns of language

o They can reason, summarize, teach, create, and simulate personalities or experts - all by learning from the patterns in language

o They don't have consciousness or intent

"It's not that they know things – it's that they act like they know things, and that can be incredibly powerful."
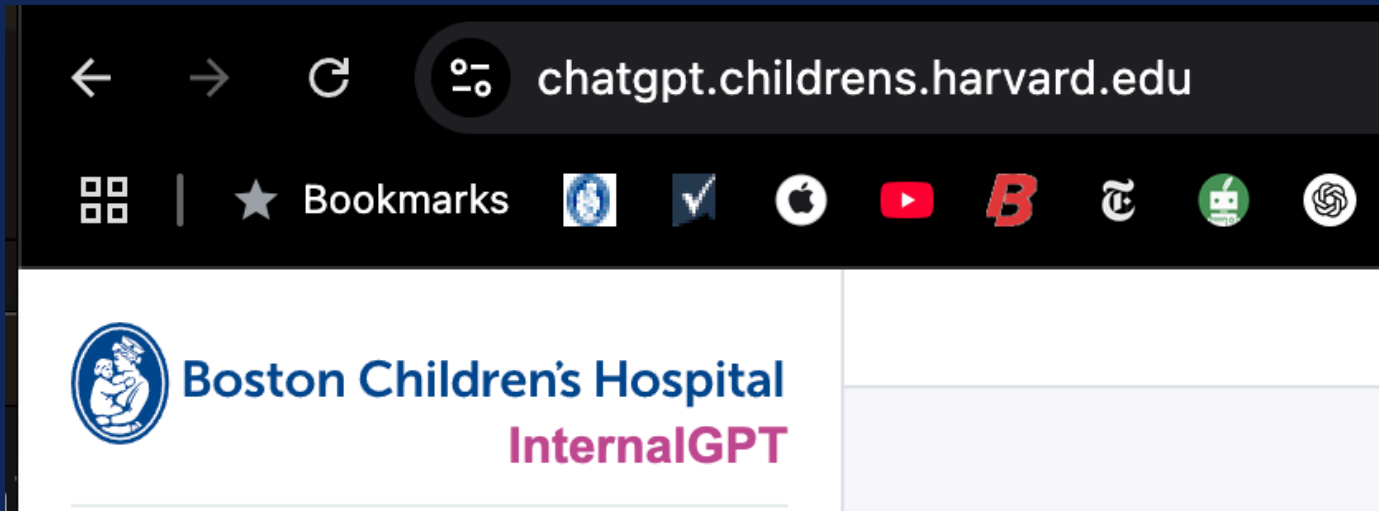– Ethan Mollick

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Where do the results come from?

- ○ Information publicly available on the internet

- ○ Third party partnerships
  - ○ Microsoft
  - ○ Salesforce
  - ○ Shutterstock
  - ○ The Associated Press

- ○ Information that users, human trainers, and researchers provide or generate.

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chatgpt.childrens.harvard.edu

Bookmarks

Boston Children's Hospital
InternalGPT

Prompt

The input or instruction you provide to an AI model to guide it in generating a specific output

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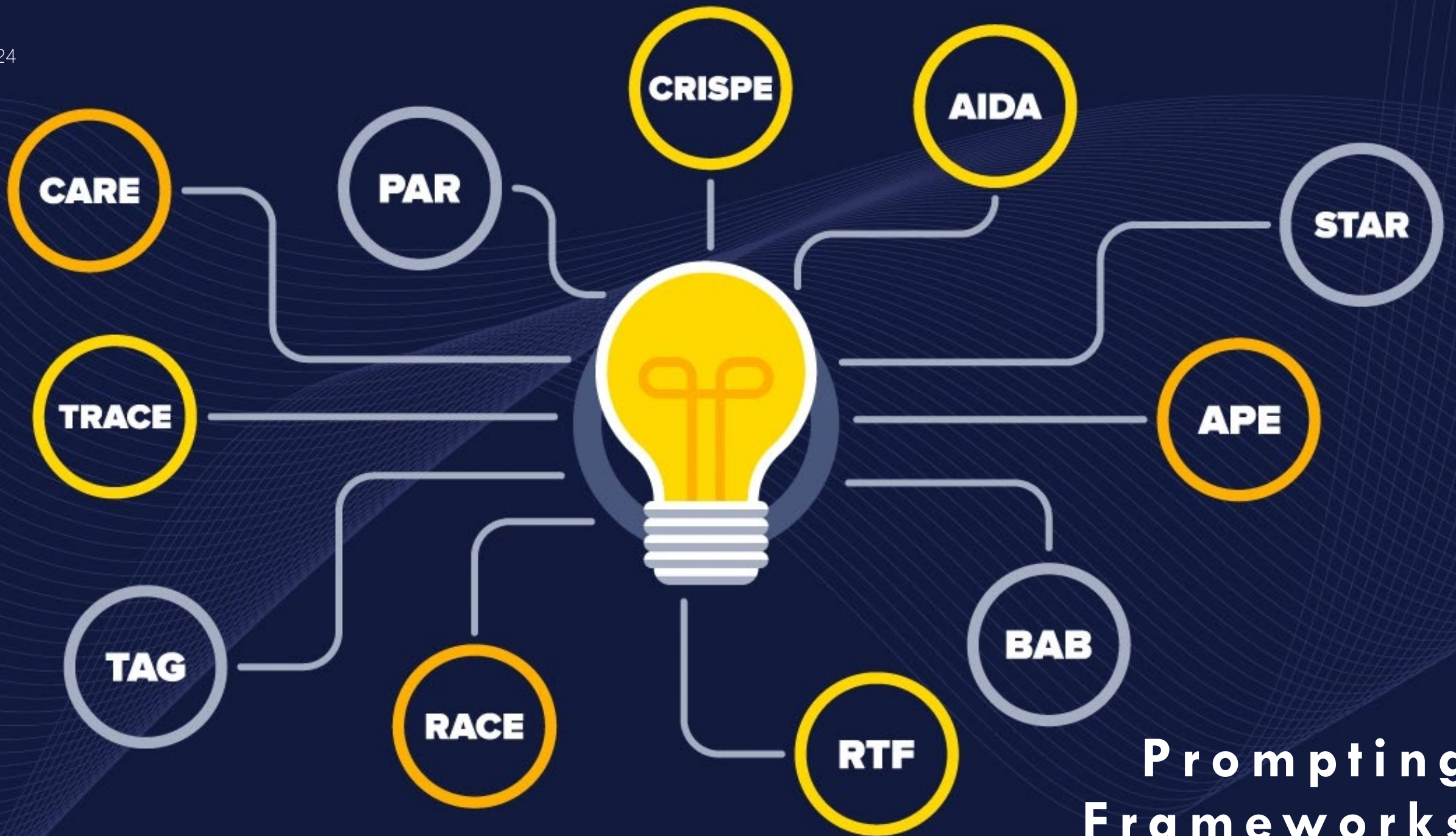
TRACI Prompting Framework

Task	What do you want the AI to generate? (i.e., objectives, quiz, strategy)
Role	Who is the AI pretending to be? (i.e., medical educator, nurse leader, attending physician)
Audience	Who is the output intended for? (i.e., nursing students, residents, respiratory therapists)
Create	What is the clinical or educational setting?
Intent	What tone or goal do you want the AI to adopt? (e.g., trauma-informed, inclusive)

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UNIVERSITY OF
South Carolina

TRACI Prompting Framework

Teaching Nurses How to Use Inhalers with Pediatric Patients	
Task	Develop a patient education handout
Role	Pediatric Pulmonology Nurse Educator
Audience	Inpatient pediatric nurses
Create	An easy-to-understand handout using plain language
Intent	Improve nurse confidence in teaching inhaler use

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South Carolina

TRACI Prompting Framework
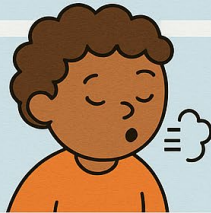
JAGGED FRONTIER

Jagged Frontier of AI Capabilities

Task Inside the Frontier

Task Outside the Frontier

Task on the Frontier

— AI Abilities
--- Equal Difficulty Tasks

Transparency & Informed Consent
- Developing guidelines for various AI applications
- Addressing the AI's 'black box' like other uncertainty in Medicine
- Explaining AI's role to patients

Bias & Equity
- Developing AI literacy and competencies for just AI-augmented patient care
- Thinking critically about racial/ethnic bias that may be part of databases underlying AI aids to clinical reasoning

Automation Bias & Skill Preservation
- Utilizing 'Hybrid' Intelligence systems
- Enhancing critical thinking

Resource Allocation
- Learning and teaching how AI can promote justice healthcare

AI Ethics Considerrations & Education

Cybersecurity & Confidentiality
- Coordinating with health systems' and universities' information security
- Applying stricter security policies to prevent data 'de-anonymization' by sophisticated AI capabilities

Safety & Quality Assurance
- Creating AI-specific processes for quality assurance
- Teaching AI-specific ethical reasoning

Human Interaction & Compassionate Care
- Developing compassionate practitioners
- Developing ethical reasoning
- Considering patients' concerns

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Maintaining Educational Integrity with AI

Quality Control

Review and refine all AI-generated content.

Academic Integrity

Cross-check sources and verify data.

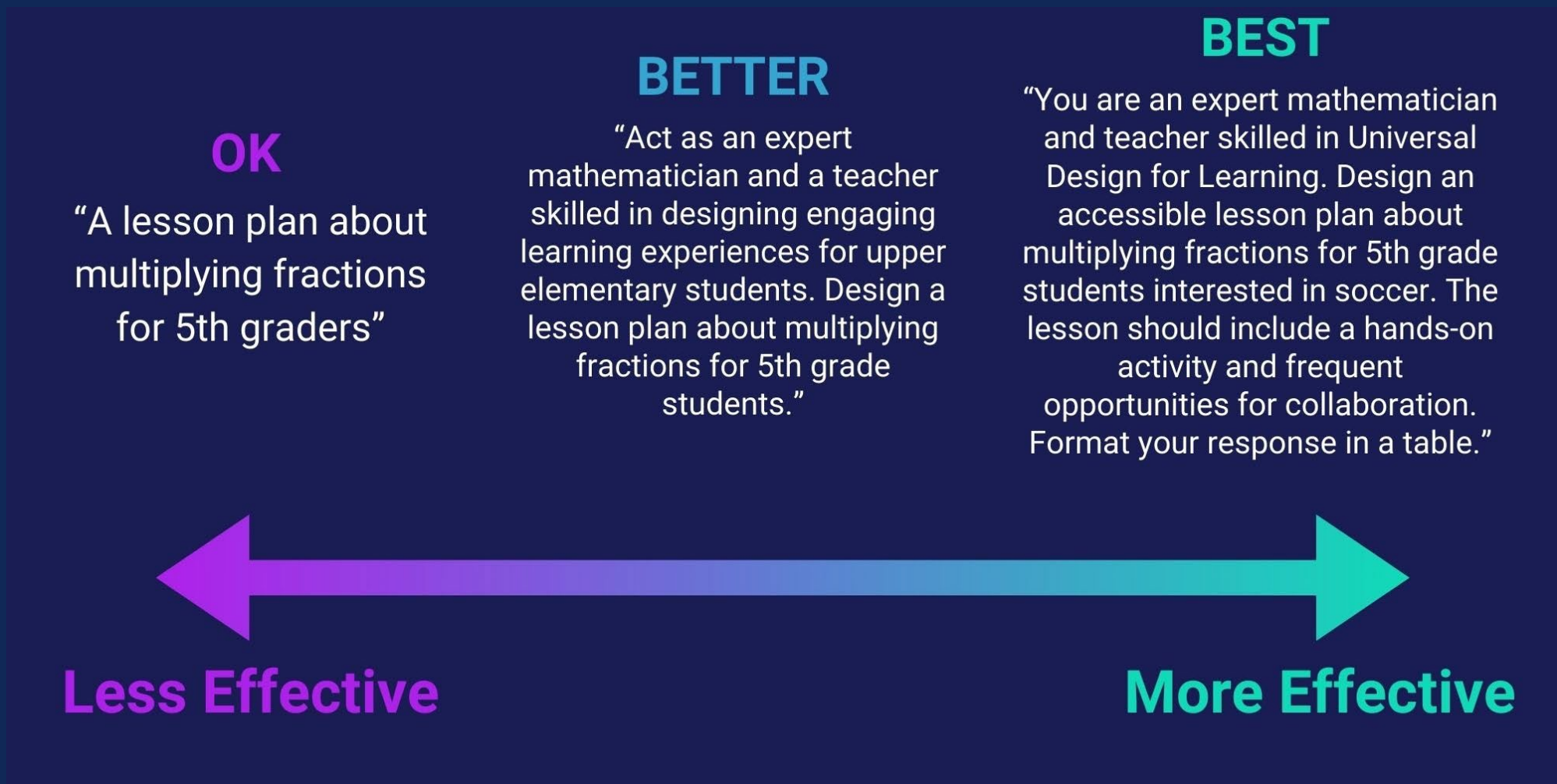**Personalization**

Add expertise, storytelling, and real examples.

Effective Teaching

Focus on facilitation, not just slide design.

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Brilliant Labs

frame

frame

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VISION AI EXAMPLES

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PROMPTING PRACTICE ROUND

SANDBOX ACTIVITY

BREAK UNTIL 3:00

Please stay on the Zoom as we organize the Sandbox Activity beginning after the break. Thank you!

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DEBRIEF

- What surprised you about the use of AI?

- What are you worried about?

- What are you excited about?

- What do you want to learn more about?

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THANK YOU

BCHAcademy@childrens.harvard.edu

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