

# Harnessing AI Prompting for Critical Thinking: The CLEAR Framework Approach



**10° CONGRESO DE BIBLIOTECAS  
UNIVERSITARIAS Y ESPECIALIZADAS**



**4TH ARTIFICIAL INTELLIGENCE AND  
LIBRARIES SYMPOSIUM: TRANSFORMING  
INFORMATION ACCESS AND DISCOVERY**

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BLOGS

# ChatGPT May Lead To The Downfall Of Education And Critical Thinking



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## OPINION > EDUCATION

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# AI cheating is hopelessly, irreparably corrupting US higher education

BY MARK MASSARO, OPINION CONTRIBUTOR - 08/23/23 7:30 AM ET

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01-24-24 | DAVOS DIALOGUES

# Teaching creativity and critical-thinking skills is imperative as AI transforms education

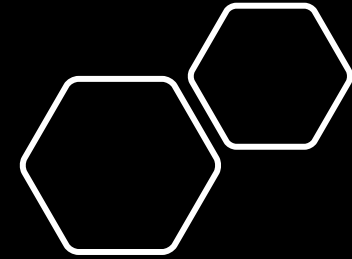
Learning in the age of superintelligence still prioritizes skills that only humans can master, leaders in Davos argued last week.



From left: **Jeff Maggioncalda**, CEO, Coursera; **Michael Spence**, President and Provost, University College London; **Sherrie Westin**, President, Sesame Workshop; **Stephanie Mehta**, Chief Content Officer and CEO, Mansueto Ventures. [Photo: [Celine Grouard](#) for *Fast Company*]



BY ANNA-LOUISE JACKSON 1 MINUTE READ





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# Critical Thinking Skills

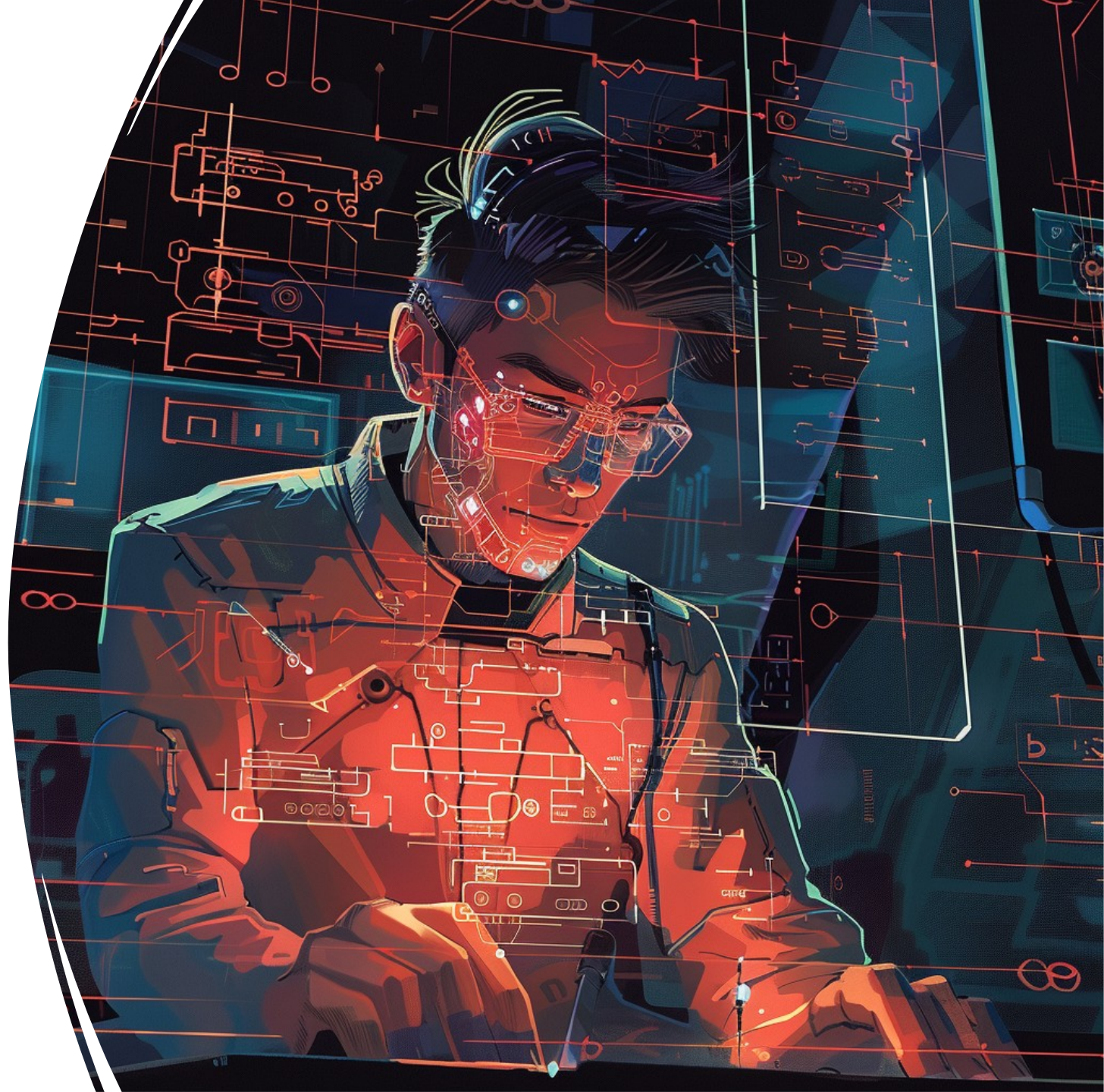
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- Definition of critical thinking
- Key components: analysis, evaluation, inference, and self-regulation
- The significance of critical thinking in education

# AI Prompting

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- Introduction to prompting
- Its role in effective AI utilization
- The potential of prompting in educational AI applications



# The CLEAR Framework of AI Communication

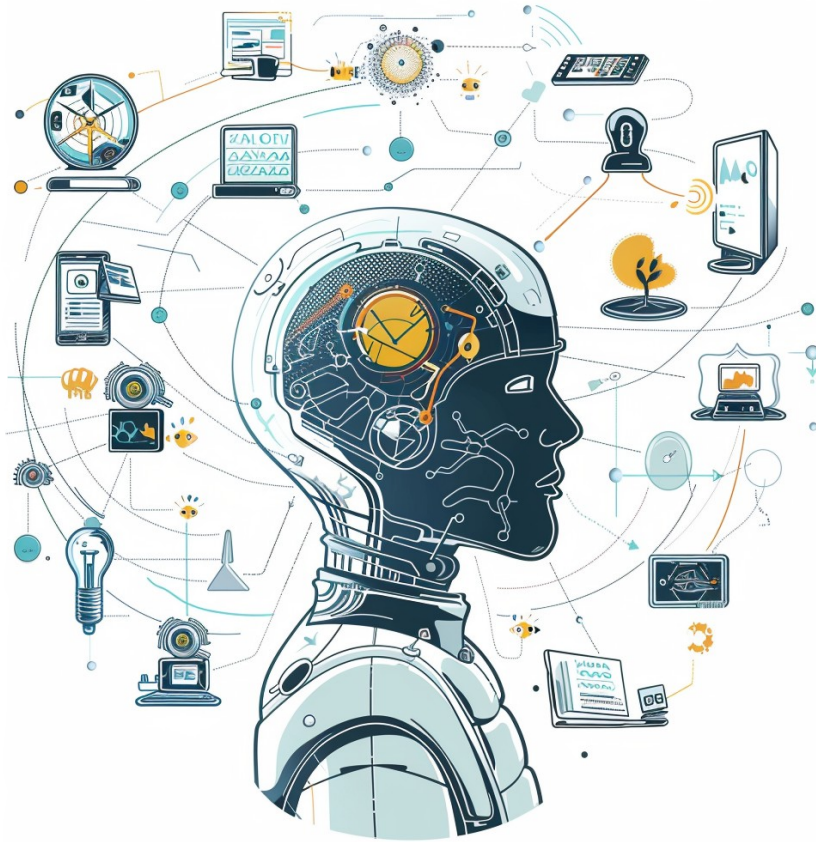
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- **Concise:** strip away any unnecessary information message and focus on the core
- **Logical:** present information in a structured, coherent manner
- **Explicit:** provide clear, specific instructions or questions
- **Adaptive:** evaluate the AI output to adjust prompts
- **Reflective:** think about our own thinking, and identify areas for improvement

# How each aspect of the framework corresponds to and develops critical thinking skills

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- **Concise prompts** encourage focused analysis and evaluation
- **Logical prompts** promote structured reasoning and inference
- **Explicit prompts** facilitate clear communication and self-regulation
- **Adaptive** foster flexibility and creativity in problem-solving
- **Reflective** encourage metacognitive thinking and self-assessment

# Practical Applications

- Examples of applying the CLEAR Framework in academic settings
- The potential of the CLEAR Framework to enhance critical thinking skills





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# Conclusion



- The transformative potential of AI prompting in education
- The CLEAR Framework as a tool for harnessing AI to develop critical thinking skills
- A call to action for educators to embrace AI prompting and the CLEAR Framework

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