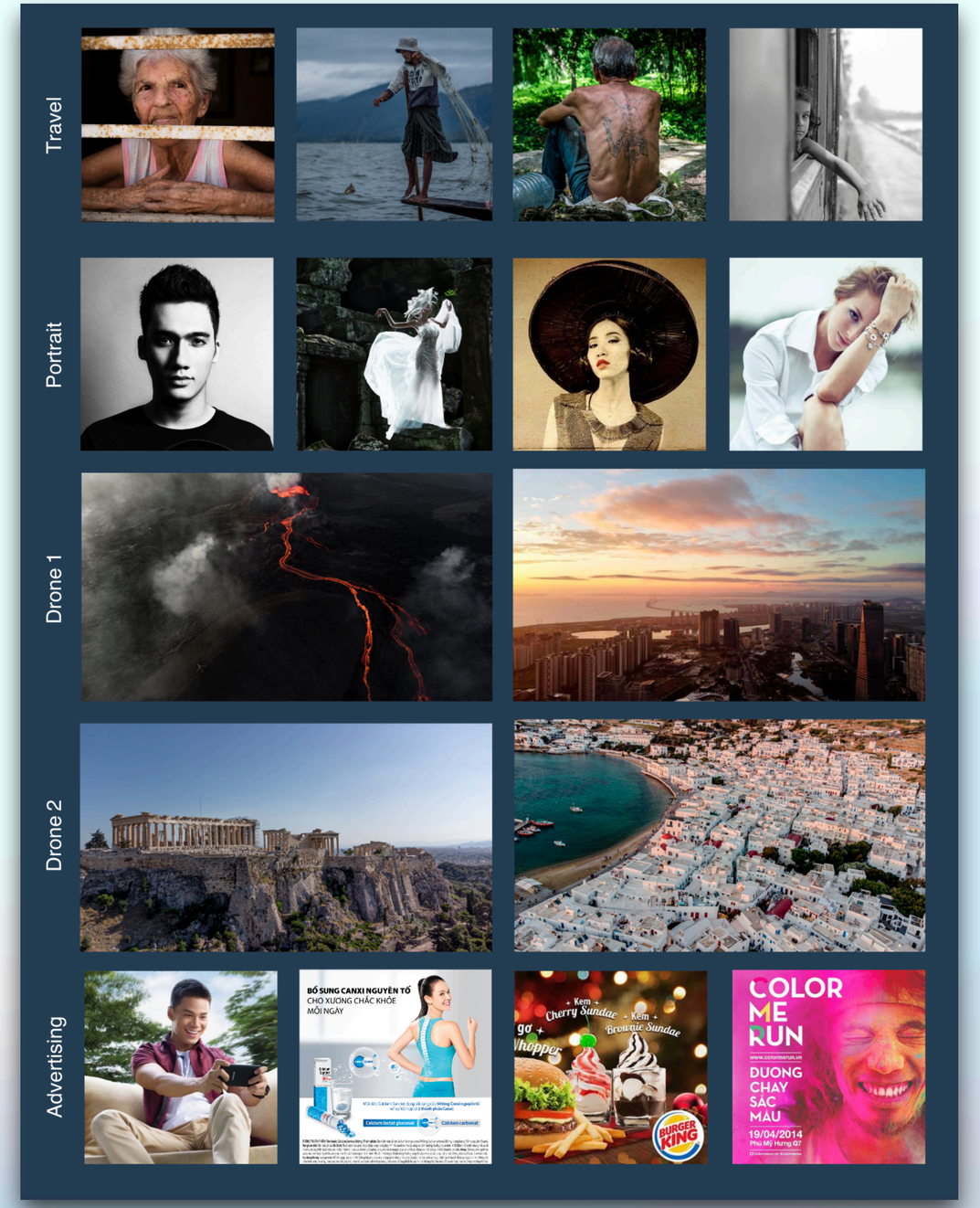
AI + Creativity

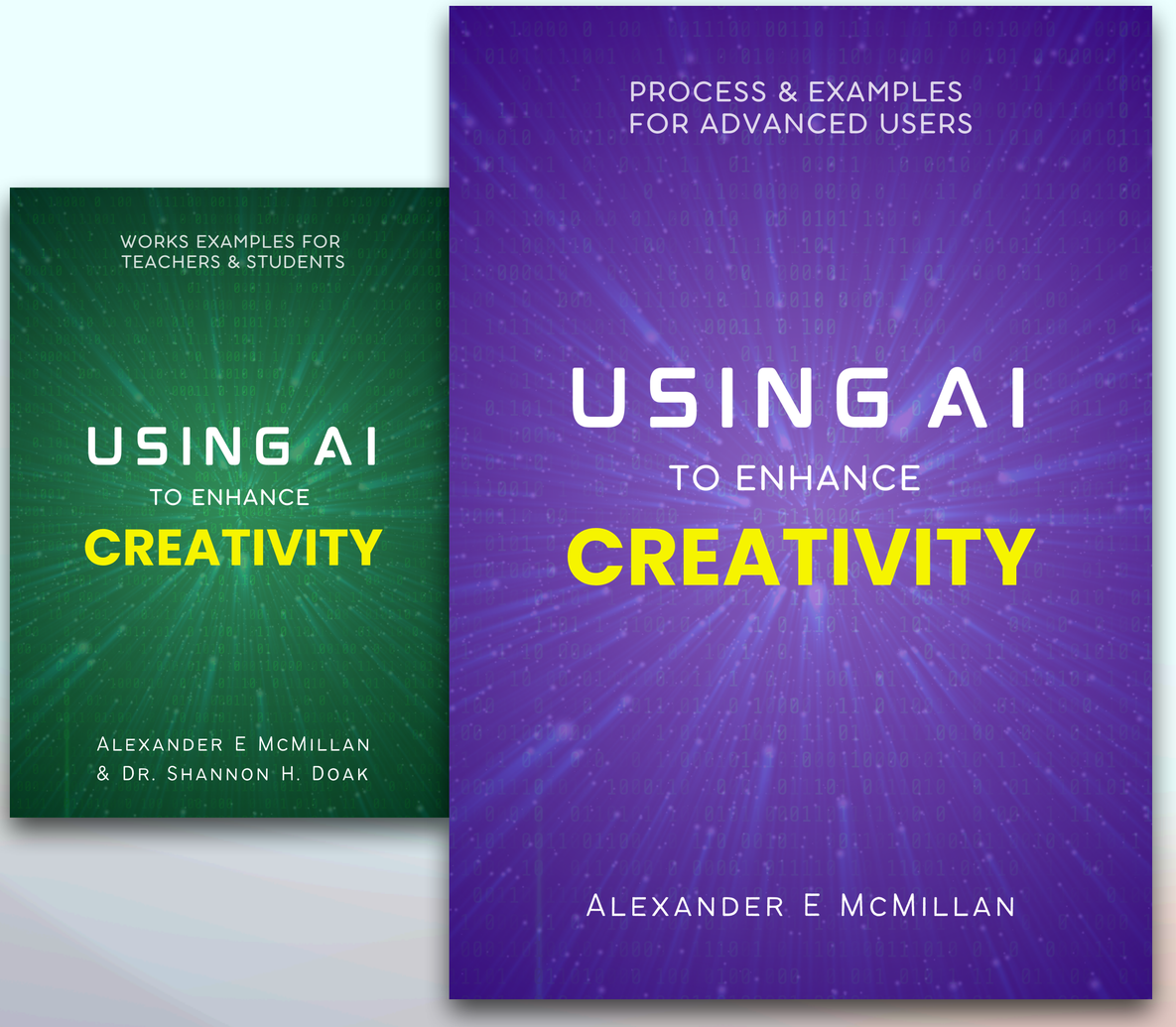
How GenAI can transform the creative process.

Alex McMillan, M.Ed.

Power Points Live for **Inclusive** Subtitles

Background as a creative





Content from this free Book

withTAPE.com

ai.wonderhub.io

V

“Materials”

V

“Creativity and AI Presentation”

Guiding Question

How can we use AI to enhance our **creativity**?

Note

This presentation is not advocating for particular tools; it's advocating for a **process**, **intentionality**, and the **human spark.**

Learning Target

Internalize a process that can deepen thinking when using AI

5 Key Concepts,

Definitions

Concept 1:

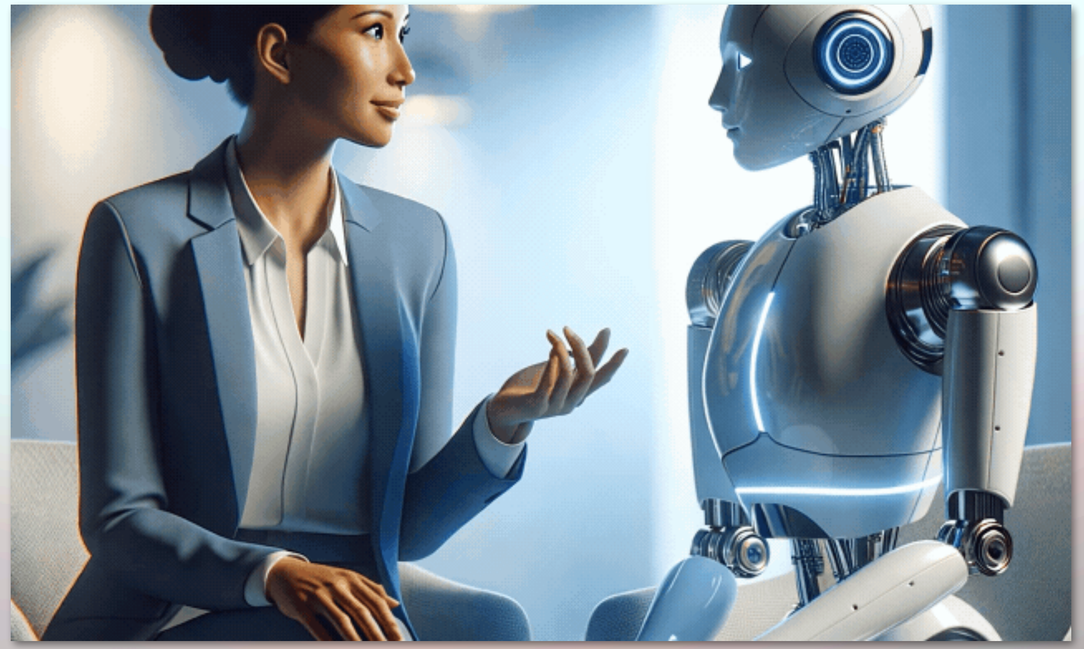
AI is a “Cognitive Amplifier”

GenAI can help you transform your creativity, not replace it!

AI Disclosure: video and GIF by Sora

Concept 2:

The best results come from ongoing conversations with an AI



Keep the conversation going to make your ideas come to life.

AI Disclosure: image by DallE 3, video by Pika

Concept 3:

High-Quality Input

When you put in high-quality ingredients, you will have better results.

AI Disclosure: image by Flux, video by Pika

Concept 4:

Avoid “Creative Convergence”

Put your own spin on the input and output whenever possible to avoide “creative convergence” and everyone getting similar content.

AI Disclosure: image by recraft.ai, video and GIF by Sora

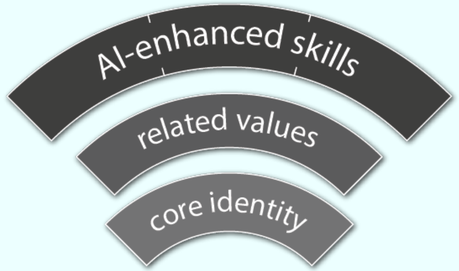
Concept 5:

Credit Where Credit Due

Be open and honest about when and how AI informed or transformed your work. It can be as easy as a disclosure, or as formal as a citation.

AI Disclosure: video and GIF by Sora

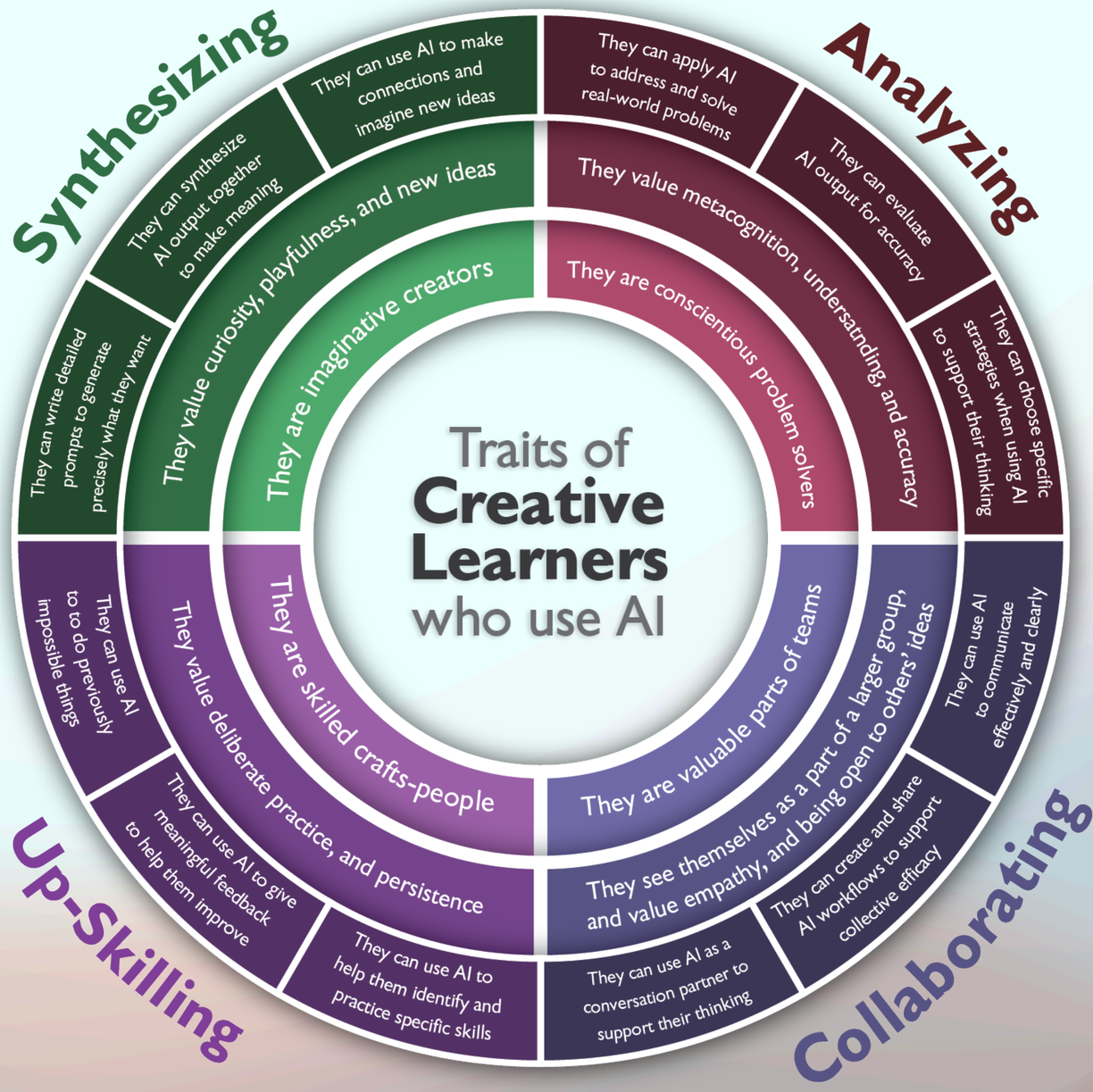
Key to The Graphic



This graphic illustrates **the multifaceted nature of creativity**— beyond originality— and demonstrates how AI can be used to enhance different dimensions of creative thinking. Rather than providing an exhaustive catalog of creative approaches or AI applications, it offers an outline for understanding how AI tools can complement and amplify human creative capabilities when used intentionally.

The inner ring represents our identities as creative humans, **the center ring** represents our values, and the **outer-most ring** represents examples of some skills and behaviors that learners might show when using AI for creative purposes.

This graphic intentionally does not include AI in learners' identitites or values; our identities and values should drive our behaviors. In other words, when we consider who we are and what we value, we then decide how we use AI to enhance our creative thinking.



Graphic by Alex McMillan, informed by Robert Sternberg (1996) & TALLIS Habits based on Lucas, Claxton, and Spencer (2013)

Critical & Creative Thinking

N SERIES

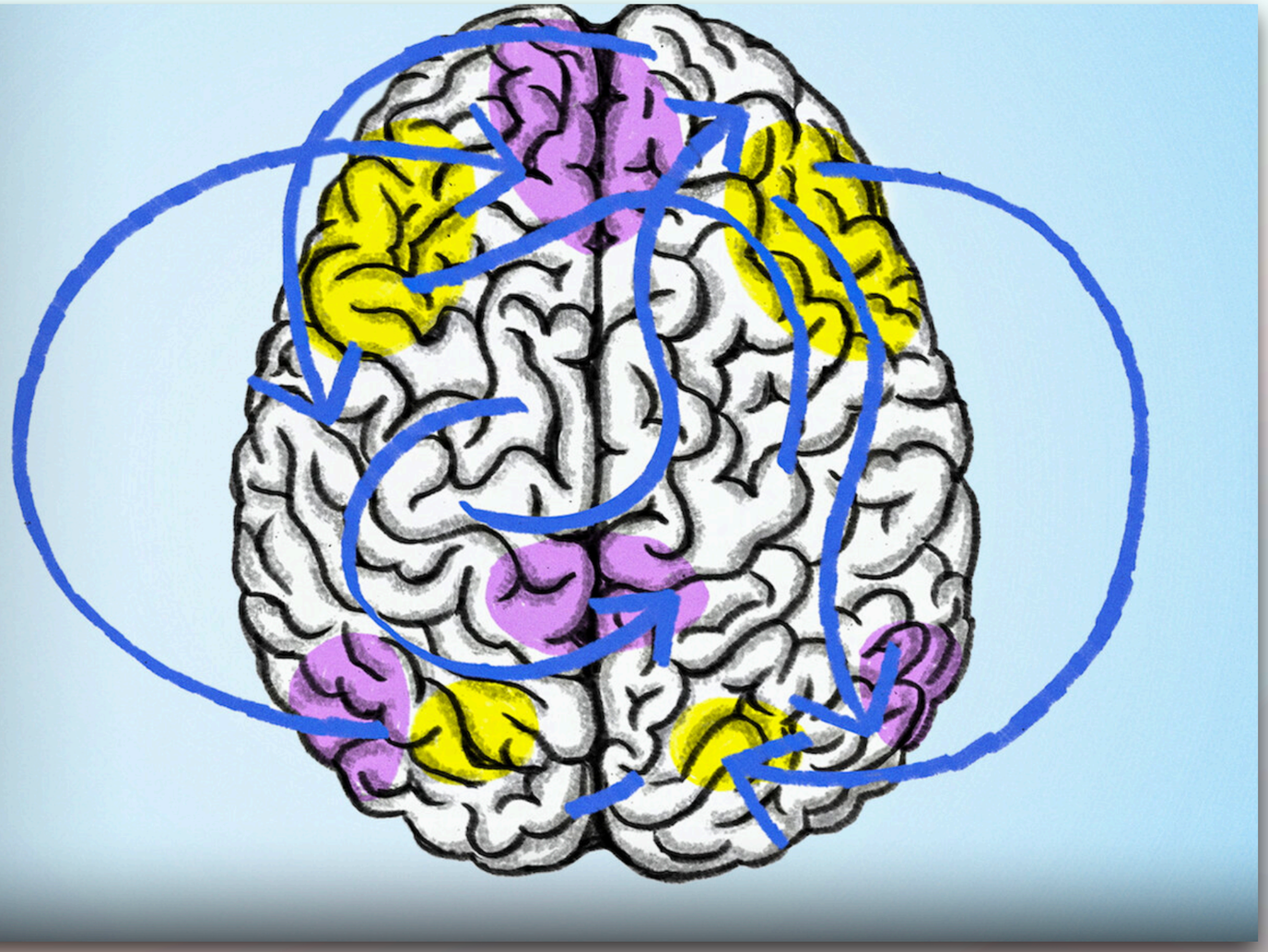
THE MIND explained

The Mind, Explained

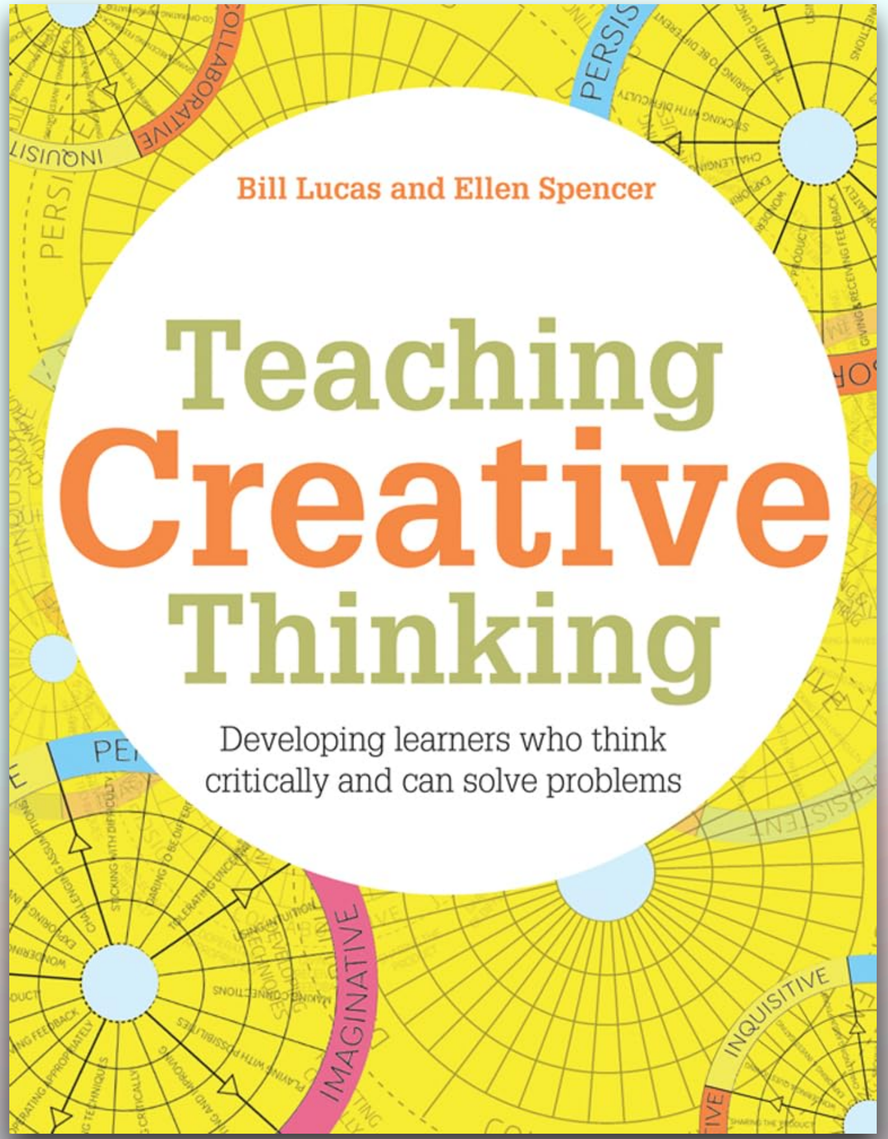
2019 | TV-14 | 2 seasons | Documentary

Ever wonder what's happening inside your head? From dreaming to anxiety disorders, discover how your brain works with this illuminating series.

Starring: Emma Stone, Julianne Moore



Critical & Creative Thinking



Process

What's a Process?

Steps that scaffold thinking

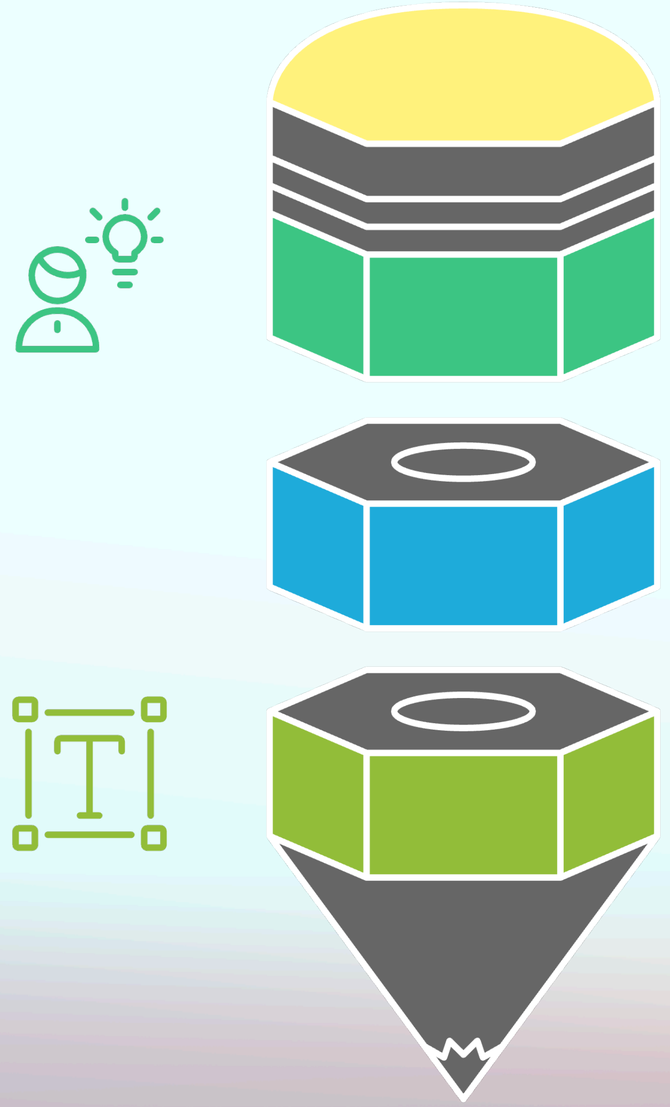
1. Involves multiple **steps**
2. **Scaffolds variety** of thinking
3. Often **action** oriented
   Plan, discuss, analyze, create, test
4. Makes thinking **visible**

Examples: PZ Thinking Routines,
Design Cycle, Inquiry Cycle, Coaching Cycle

Structure for Thinking Routines

Think

Think on my own with initial human creativity, thoughtful prompt, or content creation



Generate

Generate content from AI through an iterative dialogue and refinement with to create and find the best output

Edit

Edit the AI output with human transformation of its content

Graphic by napkin.ai

Alex McMillan | wonderhub.io

1

Use the black card

2

Talk to a partner for
1 minute

3

Switch with
your partner

THINK
GENERATE
EDIT

icons by napkin.ai

withTAPE.com

Discuss these questions to help spark your chat.

Is this process something **you can try** on your own?

...or with your **students**?

If you were to **adapt** this thinking routine to your context, what things might you do?

Have you ever followed **a similar process** when thinking creatively?

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1:00

Worked Examples

Example 1: Music

Think: Write song entirely on my own

Generate: 3 hours

Edit: Used my skills

Music by Alex McMillan + Suno

Image by recraft.ai

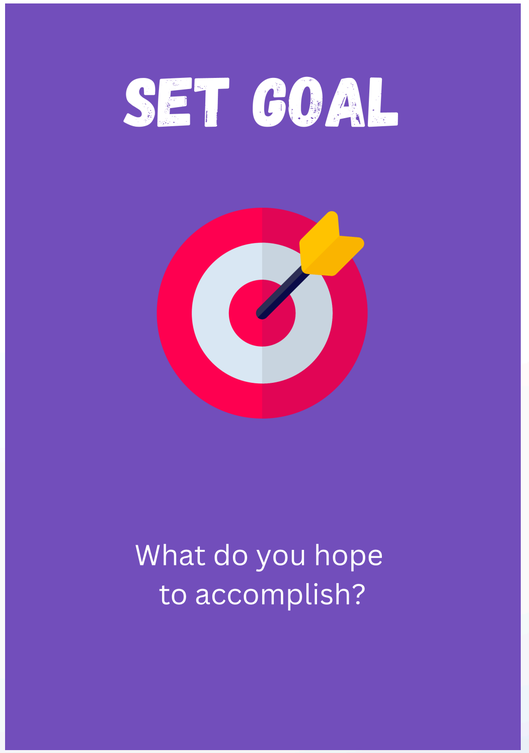
Example 2: Cards

Think: Conceptualized, Canva project

Generate: prompts and images of kids

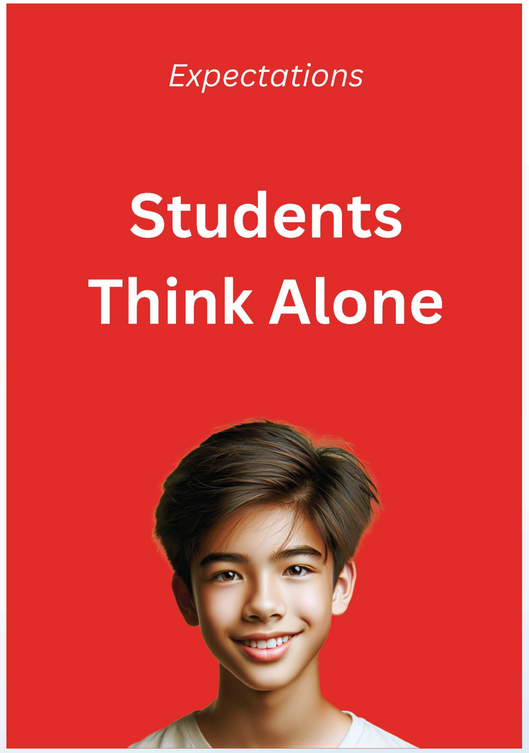
Edit: flaticon and layout

Process Cards



AI-generated questions on the front and back of each card

Expectation Cards



AI-generated children to show how much AI can be used

Example 3: Podcast

Think: Interview

Generate: 11 Labs' Voice Clone

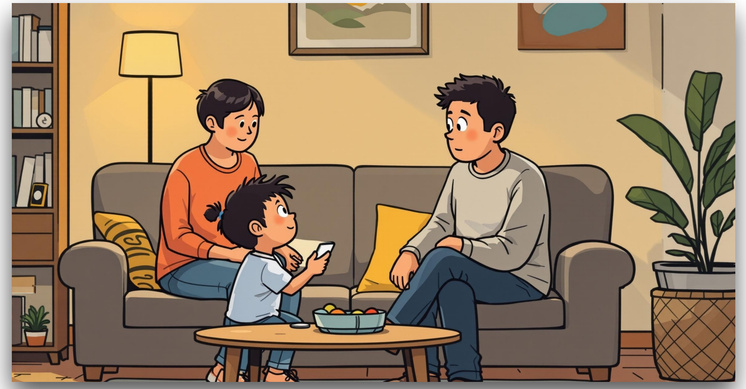
Edit: Edited together

Example 4: Character

Think: Technical prompt for Midjourney

Generate: Image generation

Edit: Pika for 360 video



The first image generated by a text prompt

Using the father on the right, I generated a video to show multiple angles to help imagine the character in different frames for a comic.

1

Use the blue card

2

Talk to a partner for
1 minute

3

Switch with
your partner

YOUR INTEREST

icon by napkin.ai

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Discuss these questions to help spark your chat.

What **personal interests** did you see a connection to?

Next time you're working on a project, **what could you try**?

How could you make sure you're always keeping **a human in the loop** when it comes to creation?

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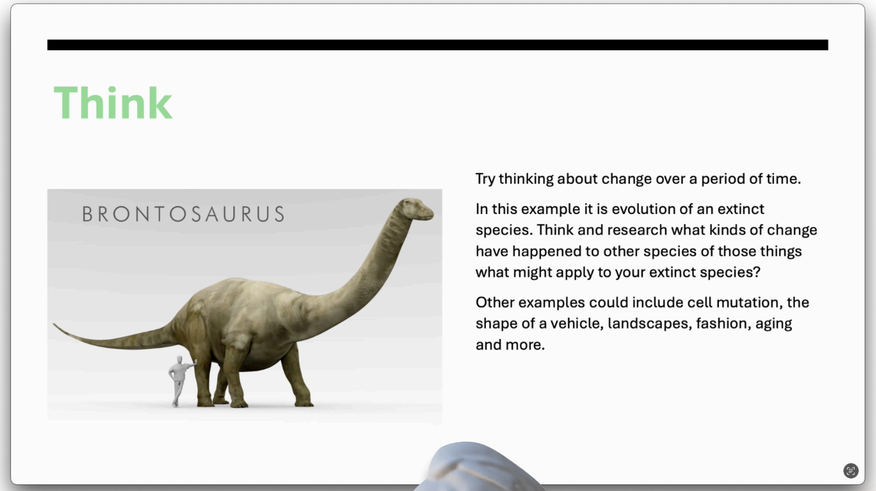
1:00

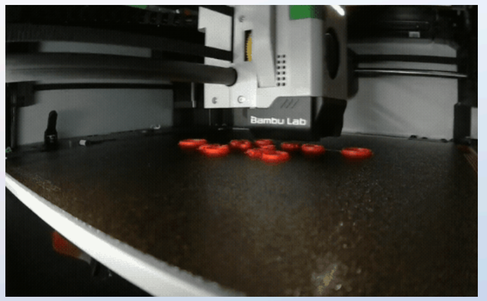
Example 6: 3D Models

Think: Students thought about evolutionary change, then crafted prompts

Generate: input prompts into an AI

Edit: Modified then printed 3D model



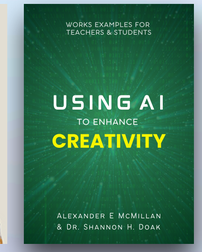


Example 9: Magazines

Think: Students learned about tone, made plans

Generate: Generated visuals in Canva

Edit: Students added designs, regenerated parts



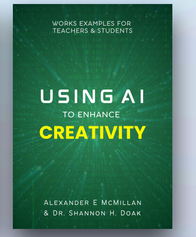
Example 9: Exemplar Inspiration

Think: Planned, drew

Generate: Generated options, new scenarios

Edit: used as storyboard art and drew own pieces

Original based on a drawing

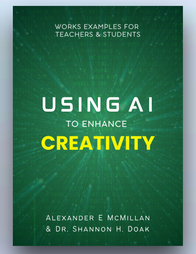


Example 9: Languages

Think: OCR-extracted text, Magic School comprehension, Eleven Labs voices

Generate: Prompting, refining

Edit: Garage Band



1

Use the purple card

2

Talk to a partner for
1 minute

3

Switch with
your partner

ACADEMIC SUBJECTS

icons by napkin.ai

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Discuss these questions to help spark your chat.

Next time you're in class with students, **what could you share with them** from today's presentation?

How do you think your academic subject could **benefit** from AI?

What things do you want **to watch out for** when students are being creative with AI?

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1:00

Reflection and Consolidation

1

Choose **Ah Ha**

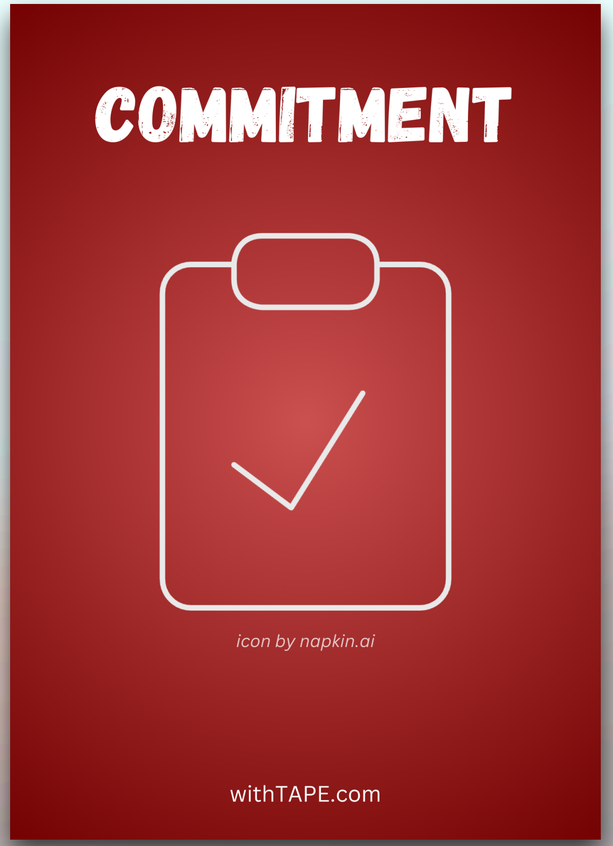
Or **Commitment**

2

Talk to a partner

3

Switch with your partner



1:00

Share Out

1

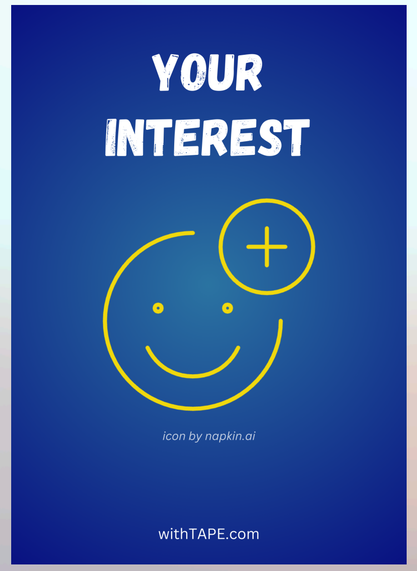
Consider your biggest takeaway

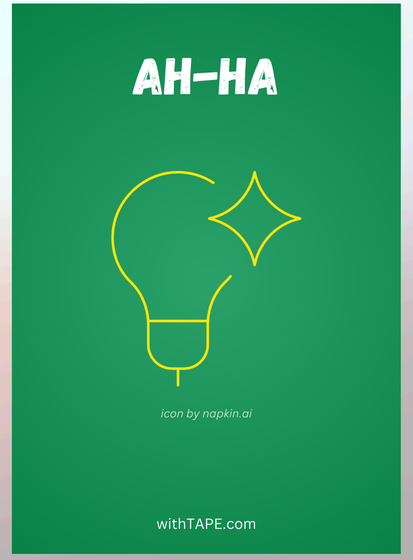
2

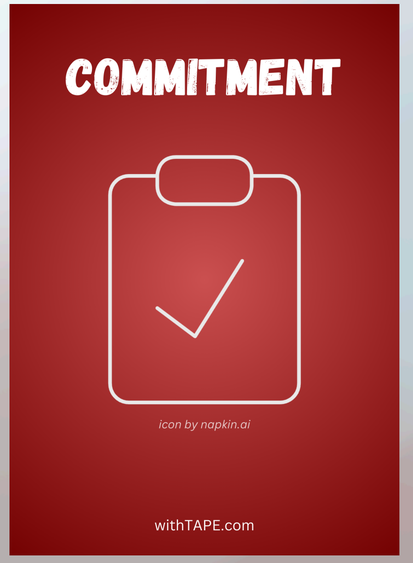
Pick a card to represent a category

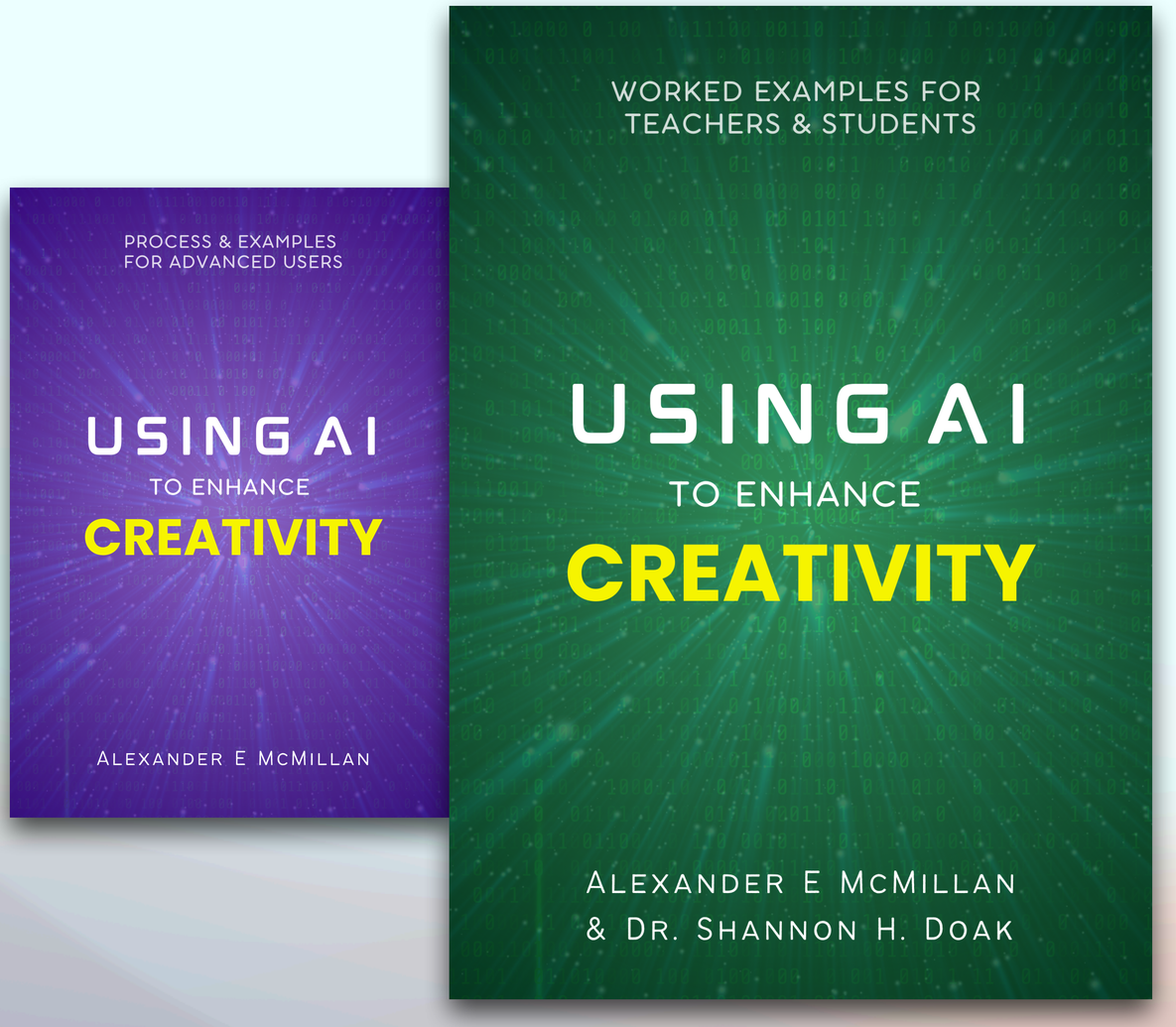
3

Share it with your table or group









Contribute to book 2!

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Using AI without a clear process can lead to...

Image by Flux

- Learned helplessness
- AI does work for us
- We “do school”

Using AI with a clear process can lead to...

Image by DallE 3

- Resourcefulness
- Active thinking
- Enhanced creativity

Contact Alex McMillan

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- Twitter/X: @MRAlexEdTech

Give Session feedback