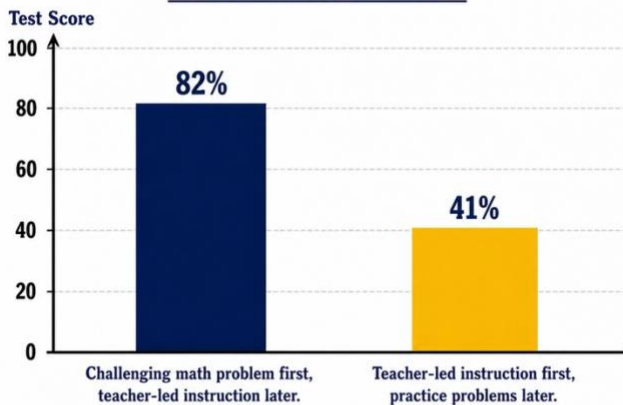


You might learn more if you make learning harder.
(Using AI to make a class easy is like bringing a forklift into the weight room.)

THE SCIENCE OF LEARNING

"Productive Failure"



Struggling first doubled understanding.

Students who attempted a problem without instruction and later learned how to solve it outperformed students who received instruction before attempting problems (Kapur, 2012).

AI PROMPTS YOU CAN USE TODAY

Use these as templates and modify them to fit your situation.

- Try First, Learn Second.**
 Here's the next chapter. Give me a related problem a bit harder than I can solve alone. Analyze my attempt, identify my mistakes, and explain the solution.
- Connect Prior Knowledge.**
 Here's next week's topic. Have me list all I remember that might connect to it. Then give me a quiz about the topic that I can answer based on my current knowledge.
- Don't Give Me the Answer.**
 I'm stuck on this problem. Don't solve it for me. Ask one question at a time to help me figure it out by myself. Give hints only when necessary and make each hint as small as possible.

DO THIS, NOT THAT



DO



Try it first.



Struggle with hard problems.



Let AI guide you.



Identify where you're stuck.



DON'T



Ask for an answer first.



Skip hard problems.



Let AI think for you.



Quit when you're confused.

TRY IT RIGHT NOW



SELECT
a challenge.



ASK AI
for a task.



STRUGGLE
with it first.



COMPARE
to the solution.



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