

Diseñar prompts para aprender

Seminario sobre Enseñanza de las Matemáticas I



Tlaxcala propone regular

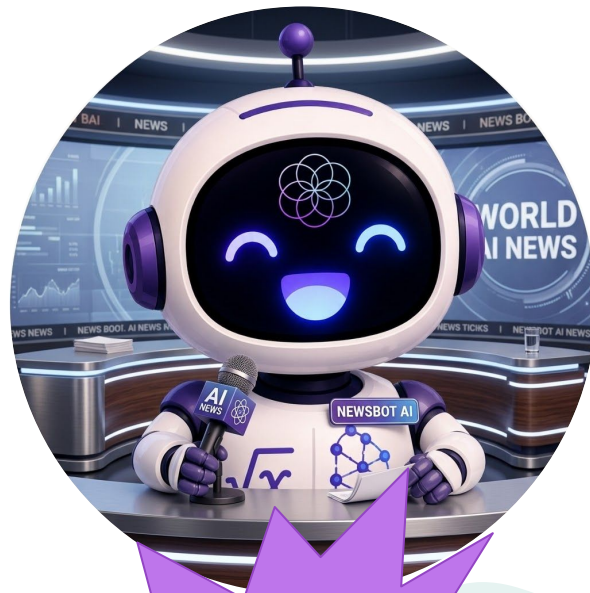
Nota, 15 octubre

IA < Tutor

University of Maryland, 2 octubre

Muse y la privacidad

Nota, 20 octubre



University of
Michigan

Claude Duet

Presentación, 21 octubre

Grok Bot

Demo (?)

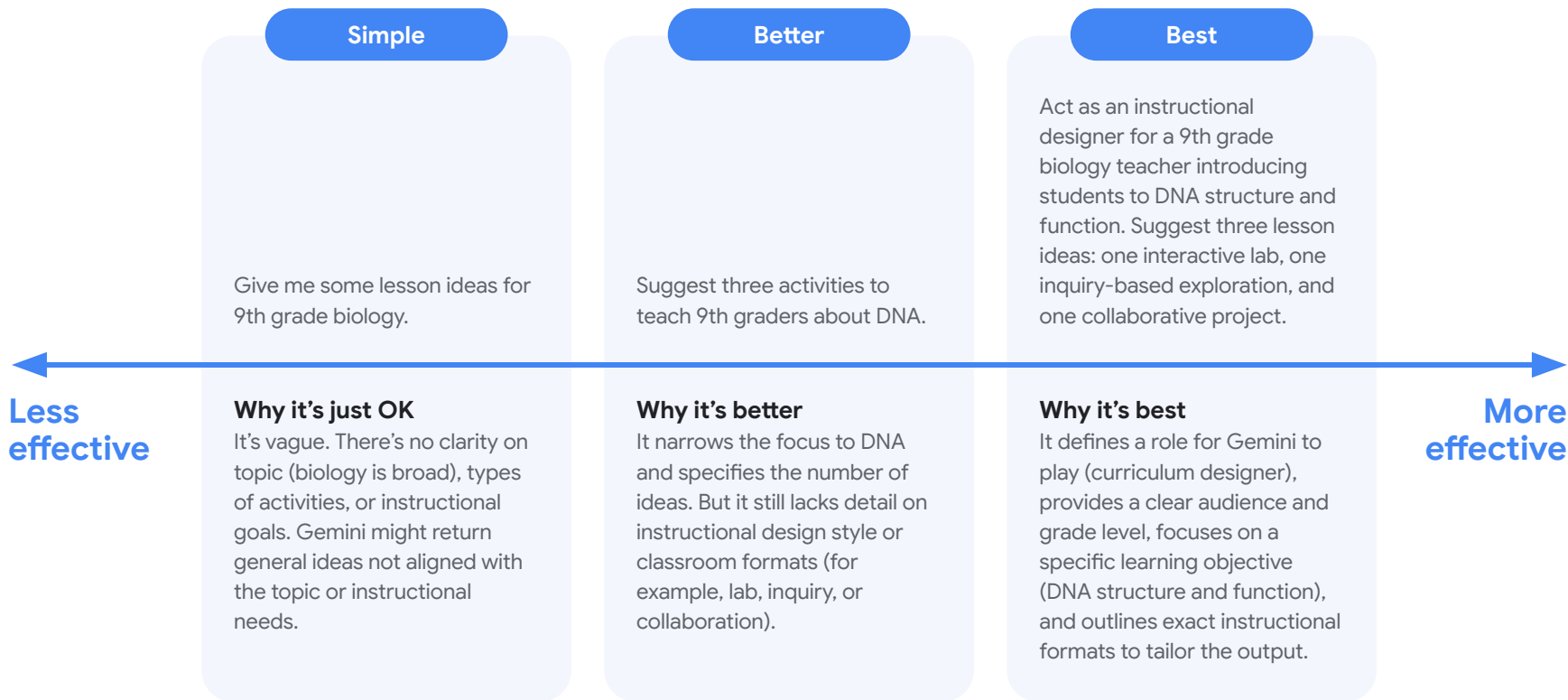
Pin GPT & M-Estudio

How to, 21 octubre



Monitoreo que no
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How to prompt like a pro



Anatomy of a great prompt

Great prompts follow the PARTS framework – a simple way to guide Gemini step-by-step in creating exactly what you need. Use this model when you want Gemini to create something from scratch, like a lesson plan, rubric, email, or communication.

Element	What it means	Why it matters
P: Persona	Set Gemini's role	Helps Gemini respond with the right tone, expertise, and behavior (for example, "Act like a coach", "Act like an educator", or "Act like an instructional designer")
A: Act	Ask clearly for the task	Uses action words like "create", "rewrite", "explain", or "align" to get specific results
R: Recipient	Say who it's for	Helps tailor output to the student group, staff, or community members
T: Theme	Add your topic or concept	Guides the content with context like "early literacy," "DNA structure," or "social-emotional learning"
S: Structure	Name the format or model you want	Helps Gemini tailor its output into specific formats like lesson plans, rubrics, slides, newsletters, or instructional frameworks (for example, 5E or UDL)



You are a high school educator. Design a 5E lesson for 10th grade students introducing the structure and function of DNA. Tailor the lesson for an inquiry-based science class and include an engaging lab activity and a claim-evidence-reasoning (CER) writing prompt as the exit ticket.

Breaking down a great prompt with PARTS

Here's how a strong classroom prompt maps to each element of the PARTS framework. Use this as a model when building your own.

Element	What it means	Why it matters
P: Persona	High school educator	Sets Gemini's tone and expertise level; expects a standards-aligned, professional lesson
A: Act	Design a 5E lesson	Directs Gemini to create a complete lesson using a well-known structure educators recognize
R: Recipient	10th grade students in an inquiry-based classroom	Helps tailor the level of difficulty and engagement strategies to fit real learners
T: Theme	Structure and function of DNA	Focuses the lesson on a specific science concept that needs to be introduced and explored
S: Structure	5E model with lab and CER writing prompt	Ensures the response uses an inquiry-based format and ends with a meaningful assessment aligned with Next Generation Science Standards-style practices