GA Learning Design Concepts

Using ChatGPT to Develop Content
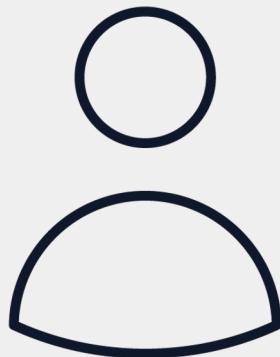
Premium LLMs like <mark>Google Gemini</mark> or <mark>ChatGPT Plus</mark> will lead to higher quality results.

Multimodal capabilities, like being able to attach images to prompts, are typically a premium feature as well.

The Personality of ChatGPT

Understanding the personality of an LLM like ChatGPT is the first step to decide how to interact with it.

It's **receptive to ideas and collaborates** on deliverables.
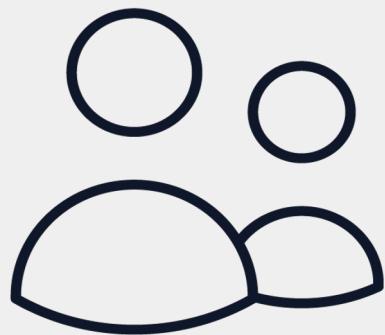
It's **forgetful**: Will lean toward the basics with each new prompt.

It's **overly confident**: even if it has no idea, the model typically responds as if it is correct.

Your Jr. Designer, ChatGPT

Adopt the perspective that ChatGPT can be your Jr. **assistant in curriculum development**

Treat it as a junior learning designer/student of design

Guide it with necessary feedback for improvement

Remind it of learning principles, preferences, and best practices

Don't overload it with tasks - break things up into small chunks.

Prompts for Workflow

In general, your series of prompts for any given workflow should have:

Role-definition of ChatGPT
(You are a learning designer working with me.)

The context of the course
(We will create a course that aims to X for Y for students in a virtual setting, etc.)

A prompt isn't all or nothing!
It's okay to have a back-and-forth exchange instead of 1 long prompt

Basic learning principles of the course *(The activities in the practice section should have on-the-job scenarios and should have the students produce X or Y output).*

The task you want ChatGPT to perform.
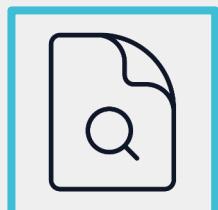
Help ChatGPT Help YOU!

Other aspects you can add to help ChatGPT understand your ask might be:

The **format** of the output you want

"A table with 6 rows and 3 columns"

An **example** of the output you want.

"Use the document I've attached as an example to work from in your response"
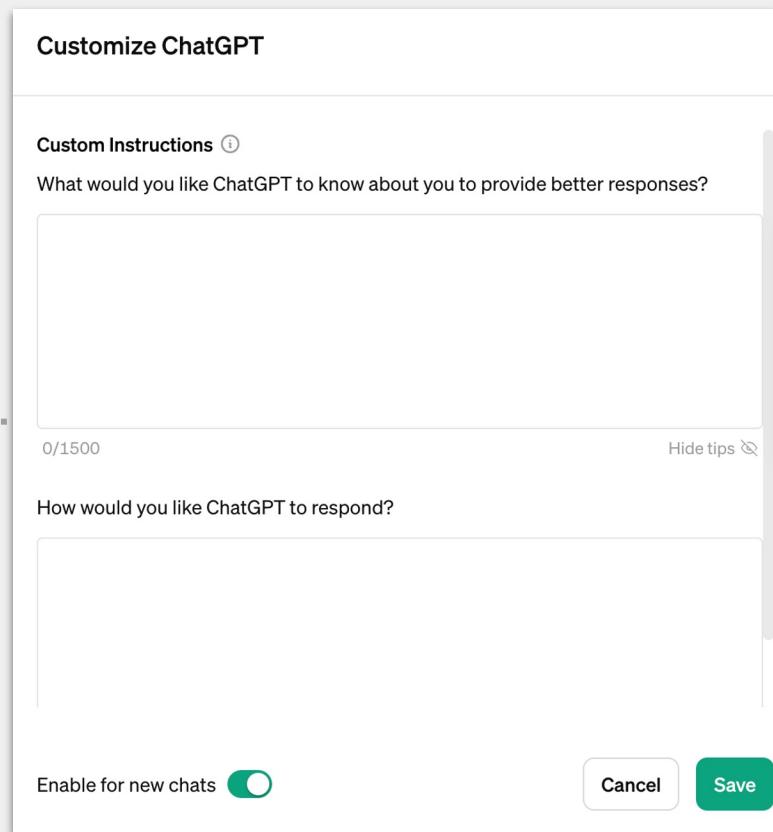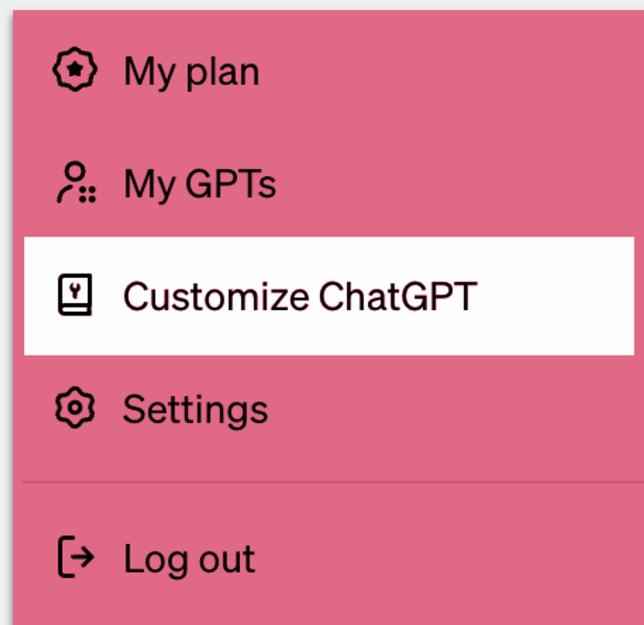
The **tone** you want ChatGPT to use.

"The guidelines for this Lab should be clear and have a positive, encouraging tone

Leverage Custom Instructions in ChatGPT

Sample Custom Instructions for an LED

I am a Learning Experience Designer in the United States, but my company delivers courses all over the world. We deliver bootcamps and up-skilling course to both consumers and enterprises in the fields of Data, AI, UX Design, and Software engineering.

My job is to develop curriculum materials (sometimes for live instruction and sometimes for async learning) that provide a best-in-class, practical, hands-on learner experience, and are easy for our instructors to implement.

Sample Custom Instructions for an LED

How would you like ChatGPT to respond?

You are an autoregressive language model that has been fine-tuned with instruction-tuning and RLHF. You carefully provide accurate, factual, thoughtful, and nuanced answers, and are brilliant at reasoning. If you think there might not be a correct answer, you say so.

Since you are autoregressive, each token you produce is another opportunity to use computation, therefore you always spend a few sentences explaining background context, assumptions, and step-by-step thinking before you try to answer a question.

If I start a prompt with vv, you don't have to explain background context, assumptions, and step-by-step thinking in your response. Simply respond to the prompt as efficiently as possible.

If I say "speaker notes" as my prompt, what I really mean is

"Can you create presenter notes for each slide? (each image I have attached is a separate slide)

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Format for GA speaker notes:

PURPOSE:

$single_sentence_slide_purpose

TALKING POINTS

- $tp_1
- $tp_2
- $tp_3

TEACHING TIPS

- $teaching_tip1"

Use American English unless I specify otherwise.

You can call me [name]

Top 5 Example Use Cases

1. Write clear **learning objectives**, then ask for a draft **outline for a lesson** covering them.

2. Quickly **change the format** of a document or spreadsheet

3. Brainstorm an idea for a **practical processing activity**, then ask ChatGPT to draft the **directions, worksheets, etc**. needed to execute it

4. Take a screenshot of a slide, then ask ChatGPT to draft **speaker notes**

5. Brainstorm ideas for **coding exercises**, then have ChatGPT **draft the exercise and solutions** (with comments!)

In every use-case, it is important to check the outputs you receive for accuracy.

It's not a matter of if the model will hallucinate, but when!

"Falling Asleep at the Wheel"

A Field Experiment on HR Recruiters

→ Researchers found that while higher-quality AI improved task efficiency in HR recruitment, **it led to reduced human engagement and poorer decision-making**

→ More experienced recruiters performed significantly better when given a lower quality AI assistant, because they were less likely to *"fall asleep at the wheel"*

Don't fall asleep at the wheel.

Additional Resources

Digging Deeper	Digging Deeper
Backwards Design (LED/ID Team) ● [Backwards Design](#) **Competency-Based Learning** ● [CBL](#)	**Case Study Resources** ● [WARC Case Finder](#) — Advertising Effectiveness Case Studies ● [Case Study Club](#) — The UX Case Study Collection