

Prompting ChatGPT

TIME

2 lessons

LEVEL

Grade 9+

FORMAT

Group inquiry

Purpose

Students investigate how the framing of a political question can guide an AI chatbot toward different emphases, arguments, and sources. By writing prompts from contrasting perspectives, they learn to treat AI output as constructed information rather than a neutral answer.

Learning goals

- Recognize bias and framing in prompts and AI-generated responses.
- Write prompts from supportive, critical, and evidence-oriented perspectives.
- Compare AI answers and evaluate language, balance, evidence, and omissions.
- Use AI tools thoughtfully and verify important claims with reliable sources.

Preparation

Choose a political issue that allows clear disagreement. Prepare one shared decision question, for example: “Should social media be banned for children and teenagers?” Students may work with individual devices, or the class may use one projected device operated by the teacher.

Lesson flow

1
Introduce the issue

Give students enough background to understand the topic. Clarify key terms without arguing for one side.

2
Present the decision question

Display one controversial yes-or-no question. Invite brief first reactions, but postpone the full debate.

3
Assign perspectives

Form three groups: supportive, critical, and neutral/evidence-oriented. Give each group the corresponding activity card.

4
Design the prompts

Groups rewrite the same question so that its wording reflects their assigned perspective. They may add context, assumptions, roles, or requests for evidence.

5

Test separately

Enter each prompt in a new AI chat so earlier answers do not affect the next response. If devices are limited, groups first draft on paper and the teacher enters the final prompts.

6

Compare the responses

Project or share all three answers. Mark differences in tone, claims, examples, sources, certainty, and missing information.

7

Discuss and reflect

Students complete the reflection sheet, then discuss how prompt design influences what an AI presents as relevant or convincing.

Teacher note

Avoid treating one answer as automatically “correct.” Focus on how framing changes the response and on what would need independent verification. As an extension, connect the activity to research showing that biased prompts may increase the appearance of propaganda-linked sources in chatbot responses.

Adapted from “Lass mal ChatGPT fragen” by Lisa Marchhart and Jonas Schmutzer, in Mit der KI in der Politischen Bildung spielen. Spielen mit – durch – über KI (politik-lernen.at).

Activity cards

Cut out or distribute one card to each group. All groups work with the same decision question.

CARD 1

Supportive perspective

You are generally in favor of the proposed measure.

Write a prompt that encourages the chatbot to emphasize benefits and supportive arguments.

- Which positive outcomes should the AI consider?
- What problem might the measure solve?
- Which wording makes support seem reasonable?

PROMPT: _____

CARD 2

Critical perspective

You are skeptical of the proposed measure.

Write a prompt that encourages the chatbot to examine risks, disadvantages, and objections.

- Who could be harmed or restricted?
- What unintended consequences may arise?
- Which assumptions should the AI challenge?

PROMPT: _____

CARD 3

Neutral, evidence-oriented perspective

You want a balanced answer grounded in verifiable information.

Write a prompt asking for multiple viewpoints, evidence, uncertainty, and clear sourcing.

- What facts are needed to judge the issue?
- How can the AI separate evidence from opinion?
- What information should be checked elsewhere?

PROMPT: _____

Reflection worksheet

Name: _____ Group: _____ Date: _____

1. Compare

What was the clearest difference between the three AI responses?

2. Notice the framing

Underline or copy one word or phrase from a prompt that strongly influenced the answer. Explain its effect.

3. Check the answer

Choose one claim that should be verified. What reliable source could you use?

4. Final takeaway

Complete the sentence: "When I use an AI chatbot for information, I should..."

Quick self-check

☐ I can identify loaded wording. ☐ I can write a balanced prompt. ☐ I know why AI claims need verification.

Activity source: Lisa Marchhart and Jonas Schmutzer, "Lass mal ChatGPT fragen," politik-lernen.at.