

Prompt Power: Getting the Best from AI

Activity Plan

Overview

In this activity, students learn the basics of **prompt engineering** by experimenting with AI chatbots. They will compare simple and detailed prompts, refine their inputs through iteration, and reflect on how prompt design affects AI outputs.

Recommended Grade Level(s): 9-12

Recommend Age Range: 13-18

Activity Length: 1 hour

Experience Level: Beginner

Technical Requirements

- Device Requirements
 - 1 computer per student during class (Mac, PC, Chromebook all work great!)
 - Online connectivity at a minimum of 10Mb/sec
 - Modern browsers on computers
 - Chrome
 - Firefox
 - or Safari Version 15.1 or higher
- Tool Access
 - Access to an AI chatbot (e.g., ChatGPT, Gemini, or Copilot)
- Note on Student Accounts:
 - Students will complete the activity on the CodeHS platform. Students do not need to create an account or log in to access this activity, however they will not be able to save or return to their work later unless they are logged in to CodeHS. See optional instructions on how to set students up here:
codehs.com/hoai_account_setup

Activity Materials

Teacher Resources:

- [Lesson Plan](#)

Student Activity:

- codehs.com/hourofai/promptpower

Content Standards

- **CSTA 1B-IC-18:** Discuss computing technologies that have changed the world, and express how those technologies influence, and are influenced by, cultural practices.

- **CSTA 2-IC-20:** Compare tradeoffs associated with computing technologies that affect people's everyday activities and career options.
- **CSTA 3A-IC-24:** Compare how individuals and groups collaborate using computing technology and how these interactions are influenced by culture and global concerns.

Teacher Instructions

- Before the Hour of AI:
 - Review the technical requirements for this activity and teacher lesson plan
 - (Optional) Set up your free teacher account if you plan to have students create accounts
- During the Hour of AI:
 - Direct students to codehs.com/hourofai/promptpower
 - Allow students to work through Hour of AI at their own pace, providing encouragement and support when needed.
- After the Hour of AI:
 - Did you know that CodeHS offers K-12 AI curriculum, PD for teachers, and classroom tools? Go to codehs.com/ai to learn how you and your students can continue learning about AI.

Need Help?

Email support@codehs.com to get in touch with our support team!