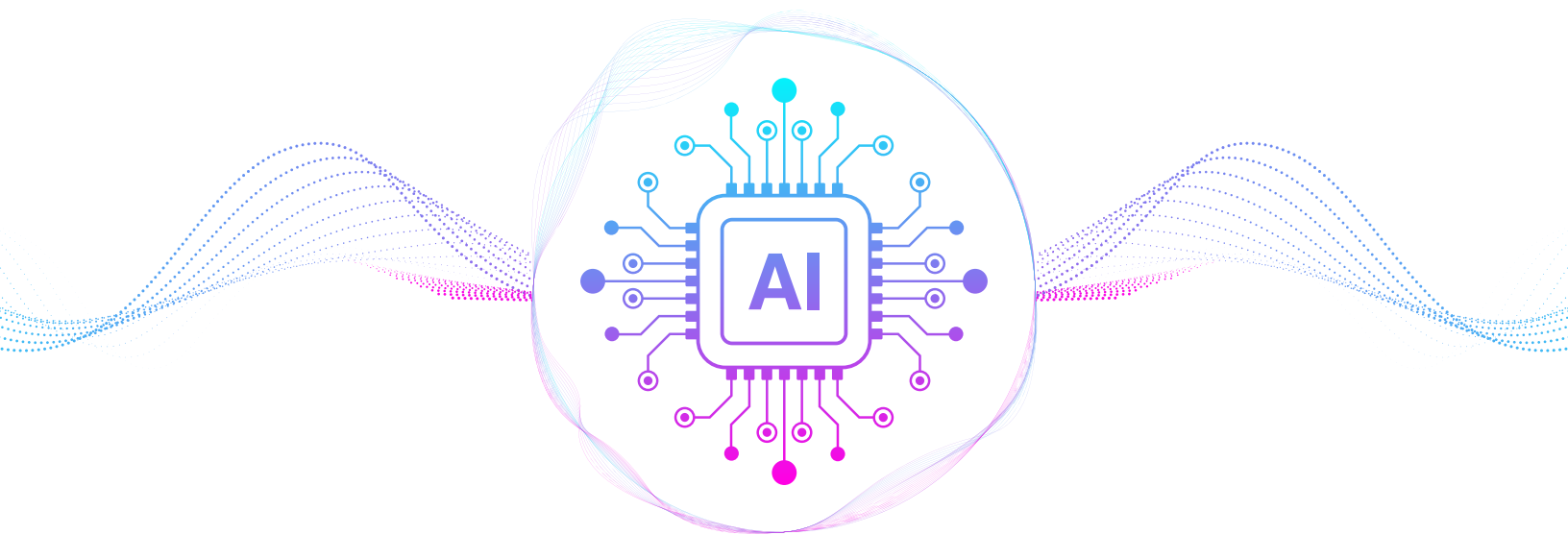




20 SAMPLE AI PROMPTS FOR CTE TEACHERS

These sample AI prompts can help career and technical education teachers to build lesson plans, create hands-on project ideas, and write industry-aligned quizzes.

Lesson Planning & Curriculum

- Create a 60-day unit plan for an introductory welding class that covers safety rules, basic MIG welding, and shop cleanup.
- Write a project-based lesson plan for high school automotive students to diagnose a common engine misfire.
- Design a step-by-step lab activity for culinary arts students on knife skills and kitchen sanitation.
- Develop a three-day lesson plan for information technology students on setting up a basic local area network (LAN).
- Make a project outline for agriculture students to design a small-scale sustainable garden layout.

Projects & Assessments

- Generate five hands-on project ideas for high school cybersecurity students that do not require expensive software.
- Write a practical performance rubric for a health science class on measuring patient blood pressure.
- Create a multiple-choice quiz with ten questions on basic electrical safety for construction trades students.
- Develop a real-world client scenario for graphic design students to practice branding and logo creation.
- Write a summative assessment review guide for a cosmetology course covering state board sanitation laws.

Industry & Career Skills

- List ten durable skills that manufacturing employers want entry-level workers to have.
- Create a mock job interview roleplay script for students entering the hospitality industry.
- Write a guide on how to help high school students build a professional portfolio in digital media.
- Generate five discussion questions about workplace ethics for a business management class.
- Suggest three ways to connect a local carpentry program with local construction companies for internships.

Student Engagement & Support

- Write a script for a five-minute engaging hook about the history of robotics in modern assembly lines.
- Create a simplified explanation of Ohm's Law for first-year electronics students who struggle with math.
- Suggest five gamified review activities for a cosmetology theory class.
- Write a guide for setting up a peer-mentoring system in a busy avionics classroom.
- Generate a list of five entry-level certifications high school welding students can earn.