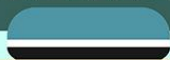




Prompt Like a Pro

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Welcome to Prompt Like a Pro!



- This is a very INFORMAL learning opportunity for all
- YOUR experiences and questions will be the driving force for our time together
- PLEASE be willing to share your thoughts and experiences, and ask questions- we learn best from one another!





Our AI Learning Journey



- Goals for our discussion?
- Sharing of experiences with AI
- Favorite models and tools
- Experiences with prompt writing
- Strategies for effective prompting
- Creation of “pro” prompts
- Examples and sharing





A Few AI Prompt Strategies (as suggested by AI)

Strategy #1: The Role-Playing Prompt

- Give AI a specific context or role
- Helps generate more targeted, relevant content
- Provides pedagogical lens and specificity
- Can assist with differentiation
- Example: "Act as a middle school science teacher. You have a class with a wide range of reading levels. Create three different versions of a short reading passage about the water cycle: one at a 5th-grade level, one at a 7th-grade level, and one at a 9th-grade level. Each passage should be followed by two comprehension questions."



Strategy #2: The "Add Constraints" Prompt Technique



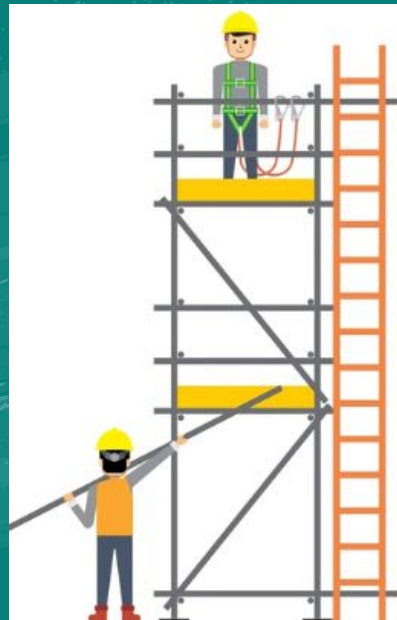
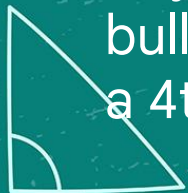
- Add specific requirements to your prompt
- Will help narrow down AI's response
- Helps create more precise instructional materials
- Saves time on editing later
- **Prompt Example:** "I'm a high school history teacher. Create a five-question multiple-choice quiz about the causes of World War I. The quiz must include one question that requires students to analyze a primary source excerpt. Each question should have four answer choices, and the answer key should be provided."



Strategy #3: The Scaffolding Prompt Approach



- Break complex tasks into manageable steps
- Guide AI to create structured, progressive learning experiences
- Helpful for multi-day units or complex projects
- Example: "I need to teach a 4-day unit on narrative writing to my 4th graders. Day 1 should focus on brainstorming and character development. Day 2 should cover plot and setting. Day 3 is for drafting. Day 4 is for peer review and revision. Create a short, bulleted list of suggested activities for each day that a 4th-grade student would find engaging."





Additional Strategies for Better Prompts



- Provide specific content (can upload slides, docs, worksheets, etc)
- Give your AI a persona (ie. You are an award-winning, published Reading Specialist)
- Ask for differentiated approaches
- Request multiple perspectives
- Include clear learning objectives (you can ask AI if it is familiar with your learning standards and reference them, or you can copy and paste the standard along with your prompt)
- Watch out for AI "hallucinations"
- Maintain your unique teaching voice
- Continue to add to and clarify your directions as needed in the same chat
- Give AI feedback- it really does help!





Think-Pair-Share: Prompt Creation



- On your own or with a partner
- Use any model (ie. ChatGPT, Gemini, Claude, etc.)
- Create your own "Pro" prompt for a current lesson
- Use role-playing, constraints, or scaffolding strategies
- Try it in different models (ChatGPT, Gemini, Claude, etc.) and see how the results differ



Collaborative Prompt Development



- Share your most interesting prompts
- Discuss challenges and successes
- Learn from each other's experiences



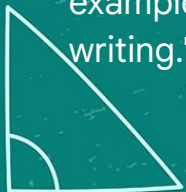


Prompting Across Subjects



English Language Arts

- **Differentiation:** "Act as a high school English teacher. We are about to start a unit on Shakespeare's *Romeo and Juliet*. Generate three different introductory activities to build background knowledge: one for a group of students who are strong readers, one for students who are struggling with comprehension, and one for English Language Learners. Each activity should be no more than 15 minutes long."
- **Assessment:** "I'm an 8th-grade ELA teacher. Create a five-question short-answer quiz on the use of literary devices in *The Giver*. For each question, provide a correct answer and also list two common student misconceptions that might lead to an incorrect answer."
- **Creative Lesson Planning:** "Act as a 5th-grade ELA specialist. Generate a detailed, 45-minute lesson plan for a writers' workshop focused on descriptive language. The lesson must include a mentor text example, a mini-lesson on 'show, don't tell,' a guided practice activity, and a topic for independent writing."

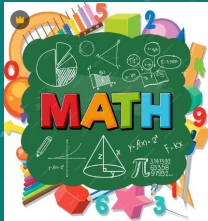


Prompting Across Subjects



Mathematics

- **Real-World Application:** "I'm a 9th-grade Algebra I teacher. Create five word problems for a unit on linear equations. Each problem must use a different real-world context (e.g., cell phone plans, cooking, travel time, etc.). The final question should require students to graph the solution."
- **Error Analysis & Differentiation:** "Act as a 7th-grade math tutor. A student is struggling with adding fractions with unlike denominators. Generate three different step-by-step explanations for the concept: one using a visual diagram, one using a written analogy (like a recipe), and one focusing on the mathematical procedure. Also, provide three common misconceptions and how to correct them."
- **Skill Practice:** "I'm a 3rd-grade teacher. Create a 15-question worksheet to practice multiplication facts for numbers 1-5. The worksheet must be organized into three sections: one with simple equations, one with a fill-in-the-blank format, and one with a short word problem for each equation."

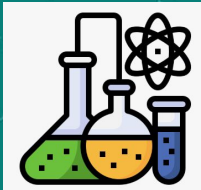


Prompting Across Subjects



Science

- **Lesson Scaffolding:** "Act as a 6th-grade science teacher. We are teaching a two-week unit on ecosystems. Generate a week-long plan that scaffolds learning: Day 1 should be an introduction to key vocabulary. Day 2 should focus on the food chain. Day 3 should introduce the food web. Day 4 should have a hands-on activity, and Day 5 should be an assessment. Include at least two different lab or hands-on activity ideas."
- **Connecting Concepts:** "I'm a biology teacher. Create five open-ended discussion questions to help students connect the concepts of photosynthesis and cellular respiration. The questions should encourage higher-order thinking and not have a single correct answer."
- **Project-Based Learning:** "Generate a project-based learning activity for a 4th-grade science class on the properties of matter. The project must have a clear rubric, a list of required materials, and a scaffolded timeline over one week. It should also include a creative component."



Prompting Across Subjects



Social Studies

- **Primary Source Analysis:** "Act as a high school U.S. History teacher. We are studying the Civil Rights Movement. Generate a set of five guiding questions to help students analyze the 'Letter from Birmingham Jail' by Martin Luther King Jr. The questions should address the author's purpose, audience, and historical context."
- **Historical Simulation:** "Create a role-playing activity for a 7th-grade world history class on the Silk Road. Assign roles for merchants, travelers, and city officials from different regions. Provide a scenario for each role and a problem they must solve to successfully trade goods."
- **Vocabulary & Context:** "I am a 10th-grade social studies teacher. We are beginning a unit on the Industrial Revolution. Create a vocabulary list of 10 key terms. For each term, provide a student-friendly definition, a sentence that uses the word in context, and an analogy that relates to modern life."



Prompting Across Subjects



Art

- **Lesson Planning:** "Generate a lesson plan for a high school art class on the principles of composition, including a brief history, key vocabulary, and a project assignment where students must create a collage."
- **Assignment Creation:** "Create a prompt for a digital art project where students use symmetry to create a mythological creature. The prompt should include a list of required elements and a brief rubric."
- **Creative Inspiration:** "Describe five different ways to use mixed media to represent the emotion of 'joy' to use as a starting point for a student art show."



Prompting Across Subjects



Physical Education

- **Lesson Planning:** "Create a lesson plan for a 3rd-grade PE class focused on developing locomotor skills. Include three different games or activities that practice running, hopping, and skipping."
- **Health & Wellness:** "Generate a list of five simple, no-equipment exercises that teenagers can do at home to improve their cardiovascular health and core strength."
- **Rule Summarization:** "Explain the official rules of basketball in a simplified format that is easy for middle school students to understand, including common fouls and scoring."

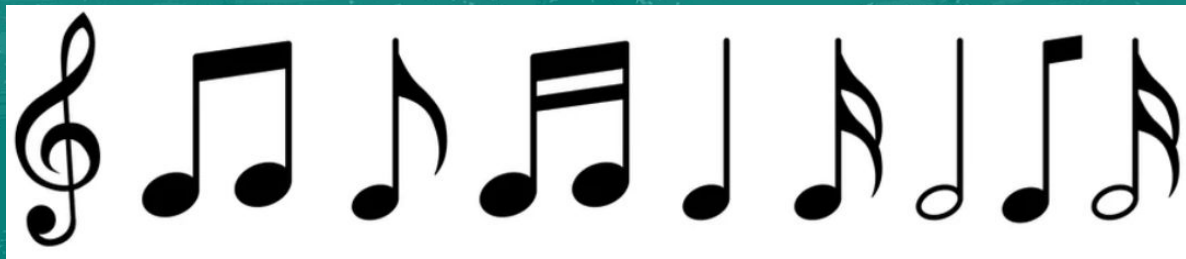


Prompting Across Subjects



Music

- **Lesson Planning:** "Generate a beginner's guide to music theory, covering basic concepts like rhythm, melody, and harmony. Include simple exercises for each section."
- **Creative Prompt:** "Write a short, fictional story about a composer who uses sound to paint a picture of a bustling city. Use descriptive language related to musical dynamics, tempo, and instrumentation."
- **Resource Creation:** "List ten famous classical music pieces that tell a story, and for each one, provide a short summary of the narrative it's meant to convey."





Remember: Fact-Checking is Crucial!



- Always verify AI-generated content
- Cross-reference with trusted sources
- Use AI as a co-pilot, not a sole resource
- Your professional judgment matters most
- What is generated is your starting point...verify and make it your own!

