

Teaching with AI Handout

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AI LITERACY: Critical Thinking Tennis = Mastering both sides of the net

Serving: **ASKING BETTER QUESTIONS**

T - Task Appropriateness

- *Human or AI? Will AI add value or just replace thinking?*
- **Teaching moment:** Justify your choice

A - Aim & Goals

- *Am I trying to produce something or learn something?*
- *Will AI help my learning/thinking/creativity or short-circuit it?*
- **The Push-up Test:** "Will this make me stronger or just save effort?"

S - Setup & Specificity

- *What context, constraints, or clarifications does AI need?*
- *What might go wrong without better instructions?*
- **Teaching tip:** Try both vague and specific prompts

K - Collaborate & Co-create

- *How can I work WITH AI rather than just using it?*
- *How might I use AI to surpass my own abilities?*
- **Advanced move:** "AI, help me improve this prompt..."

RETURNING: Evaluating Answers

E - Errors & Accuracy

- *Is this factually correct?*
- *What biases might be hidden here? (cultural, gender, political, linguistic)*
- **Red flags:** Overly confident claims, missing nuance, stereotypes

X - eXamine Evidence

- *Where did this information come from?*
- *Are citations accurate? (AI often hallucinates sources)*
- **Essential Habit:** Be skeptical and verify.

A - Alignment & Relevance

- *Does this actually solve my problem?*
- *Do I need more focus, depth or nuance?*
- **The "So What?" test:** Does this matter for my real goal?

M - More & Modify

- *How can I improve, clarify or expand this?*
- *What perspective is missing? Can I get something more unexpected?*
- **Growth mindset:** "This is a starting point, not an endpoint"

KEY IDEAS

- AI is changing WORK, THINKING, COMMUNICATION & RELATIONSHIPS
- AI is changing AVERAGE, CUSTOMIZATION & CREATIVITY
- AI is a new form of LABOR: Everyone is now an AI boss.
- What faculty call cheating, business calls progress.
- Clarify rubrics & Raise standards.

Teaching AI Literacy

Asking Better Questions + Evaluating Answers

AI Fluency + Critical Thinking = TASK + EXAM Assignments & Assessments

NEW ASSIGNMENT EXAMPLES

- DEER (Define, Evaluate, Explore, Reflect)
- Process Assignments & Version Tracking
- Teach an AI to Paint/Design like...
- Graphic Novels
- Bring History to Life with AI
- Film Pitch
- Create Video (of the chemical reaction, for example)
- Presidential Sim <https://box.boodle.ai/a/@PresidentialPowerandtheEconomySimulationGame>
- Thomas Cromwell Game <https://box.boodle.ai/a/@ThomasCromwellGame>
- Chemical Bonds Test/Tutor <https://box.boodle.ai/a/@ChemicalBondsInOChem>

ASSIGNMENTS that RAISE STANDARDS

- Reverse Outlining
- Persuasion Impossible
- Journaling with a Bot
- Argument Development Bot <https://box.boodle.ai/a/@CriticalThinkingSupportBot>
- AI Feedback as a Preview or Complement to Human Feedback (Multiple Perspectives Prompt)
- Role-Playing & Empathy Interviews
- What if...? Create costume images... Reimagine your story...
- Stress Test a Plan

Bot Builder for Faculty <https://box.boodle.ai/a/@AssignmentSupportBotFACULTYGUIDE>



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