

Instructions:

Choose a topic from your course and use the below prompts to prepare/augment a lesson plan or unit plan. Make sure you **(1) ask lots of follow ups, (2) share enough about your goals, your students, and your classroom so that the outputs work for you! (3) Throw some curveballs** (tough questions, silly questions, impossible questions). It's this back and forth you have with AI that is the *secret sauce*--it will lead you to the best possible ideas and help you get the most out of the exploration. Finally, try to stick to frontier models for the best outputs like ChatGPT, Claude, Gemini and Copilot (remember not every school has access to the EdTech AI apps).

As you work...

- Consider our guiding question “*how will this use of AI enhance teaching and learning?*”
 - Think about things the AI did well and things it did not do well
 - Consider any tradeoffs we are making if we use AI in this way (including how it changes skill development for teachers and students).
- Start planning what you would like to share in our post-exploration “collaboration.”
 - Did you have any “aha moments?” What would you share with colleagues? What would you change next time? Do you have any lingering questions?

Suggested time: 45-75 minutes

If you finish early 1) Design another lesson or unit and/or 2) Design a lesson for another subject/discipline

Lesson Design Exploration

Lesson Design Element	Suggested Prompt
Lesson	Give the AI a role including topic expertise. Ask for a comprehensive lesson plan and include the skills and learning outcomes you are working on in this lesson/unit. ● <u>My Prompt:</u> “You are a knowledgeable and creative middle school technology teacher that helps generate excellent lesson plans. In your lesson, I'd like you to include ways for students to actively participate in the classroom and ways for students to see why these concepts are important in the real world. Please help me design a lesson on data

	<i>mining and privacy</i> over two forty minute lessons where students are expected to <i>learn how companies track you online and how to protect your privacy</i>
Learning Outcomes	Ask it to design (or redesign) learning outcomes for your lesson or unit • <i>Follow up idea:</i> You can ask it to align with a framework or set of standards like Common Core
Teaching Style	Tell the AI about your teaching style and how your students learn best (e.g. <i>project-based learning</i>). Then ask it to regenerate one part of the lesson with this in mind.
Formative Assessment	Ask for 5 formative assessments that could help you check your students' understanding of the concept being taught
Analogies	Ask for 5 analogies that could help students remember aspects of the course content.
Real World	Ask for 5 real world examples of this concept in action. • <i>Follow up idea:</i> how does this example apply to the learning outcomes identified above?
Student Engagement	Ask for 5 unique activities for student engagement (e.g. <i>an activity that incorporates creativity, movement, or small group work</i>).
Summative Assessment	Ask for 5 different summative assessments for the unit. • <i>Follow up idea:</i> Ask it to generate rubrics/grading styles for this assessment.
Student Understanding	Ask what part of this lesson/unit might be the toughest for your students to understand or what common misconceptions there are about this topic • <i>Follow up idea:</i> you can ask about specific learning styles/types of students

Metacognitive Strategies	Ask for a number of metacognitive strategies to help make the lesson stick (<i>e.g. you can have it create a haiku or an acronym to help students remember a concept</i>)
Missing	Ask what you are missing from this unit and how/where you can include it.
Unit Connection	Ask for an interesting connection between this unit/lesson and the next unit/lesson (or the last unit you did)
Auxiliary Connection	Ask it to make an interesting connection between the lesson you designed and an auxiliary skill/content area you teach (e.g. English = grammar, Math = data analytics, Social Studies = civics/geography, etc.)

P.S. (You can also do this exploration via [my custom GPT](#) called "Instructional Coach")