

## The AI Model Matchmaker Toolkit

| QM General Standard (GS) & Key Tasks   | Best AI "Personality Type"                                | Top AI Tool Suggestions (Nov. 2025)   |
|--|---|---|
| <b>GS 2: Objectives &amp; Alignment</b> <ul style="list-style-type: none"> <li>Crafting measurable CLOs/MLOs</li> <li>Building course alignment maps</li> </ul>  | Reasoning   | ChatGPT 5 Thinking & o-3<br>Claude Opus 4.1 Extended Thinking<br>Gemini 2.5 Pro                         |
| <b>GS 3: Assessment &amp; Measurement</b> <ul style="list-style-type: none"> <li>Drafting logical grading policies</li> <li>Drafting detailed rubric descriptions</li> </ul>                               | Reasoning (alignment)<br>Pre-training (for description)   | ChatGPT 5 Thinking & o-3 (alignment)<br>ChatGPT 5 Instant & 4o & 4.1 (rubric generation)                |
| <b>GS 4: Materials</b> <ul style="list-style-type: none"> <li>Explaining material relevance</li> <li>Adapting content for variety</li> </ul>   | Pre-training (for adaptation)                             | NotebookLM  |
| <b>GS 5: Activities &amp; Interaction</b> <ul style="list-style-type: none"> <li>Brainstorming creative activities</li> <li>Drafting interaction plans</li> </ul>  | Reasoning (alignment)                                     | ChatGPT 5 Thinking & o-3<br>Claude Opus 4.1 Extended Thinking<br>Gemini 2.5 Pro                         |
| <b>GS 6: Technology</b> <ul style="list-style-type: none"> <li>Researching new/engaging tech tools</li> <li>Finding integration best practices</li> </ul>  | Agentic   | ChatGPT Deep Research/Agent Mode<br>Claude Research<br>Perplexity Deep Research<br>Gemini Deep Research |
| <b>GS 8: Accessibility &amp; Usability</b> <ul style="list-style-type: none"> <li>Generating alt-text &amp; long-description</li> <li>Checking against Accessibility principles &amp; standards</li> </ul> | Pre-training (alt-text)<br>Agentic (realtime walkthrough) | Perplexity Comet Browser<br>Google AI Studio "Stream realtime"  |

## Blank Matchmaking Matrix (Your Action Plan)

| QM General Standard (GS) & Key Tasks   | Best AI "Personality Type" | Top AI Tool Suggestions (as of Late 2025) |
|--|----------------------------|---|
| <b>GS 2: Objectives &amp; Alignment</b> <ul style="list-style-type: none"> <li>• Crafting measurable CLOs/MLOs</li> <li>• Building course alignment maps</li> </ul>                      |                            |   |
| <b>GS 3: Assessment &amp; Measurement</b> <ul style="list-style-type: none"> <li>• Drafting logical grading policies</li> <li>• Drafting detailed rubric descriptions</li> </ul>         |                            |   |
| <b>GS 4: Materials</b> <ul style="list-style-type: none"> <li>• Explaining material relevance</li> <li>• Adapting content for variety</li> </ul>   |                            |   |
| <b>GS 5: Activities &amp; Interaction</b> <ul style="list-style-type: none"> <li>• Brainstorming creative activities</li> <li>• Drafting interaction plans</li> </ul>                    |                            |   |
| <b>GS 6: Technology</b> <ul style="list-style-type: none"> <li>• Researching new/engaging tech tools</li> <li>• Finding integration best practices</li> </ul>                            |                            |   |
| <b>GS 8: Accessibility &amp; Usability</b> <ul style="list-style-type: none"> <li>• Generating alt-text &amp; long-description</li> <li>• Checking content against principles</li> </ul> |                            |   |

## Prompting for Pre-Training vs. Reasoning & Agentic

| Model Type   | Optimal Tasks  | Key Prompting Techniques   |
|--------------|--|--|
| Pre-training | <ul style="list-style-type: none"> <li>Brainstorming ideas</li> <li>Summarizing/reformatting text</li> <li>Drafting initial content</li> <li>Generating creative variations,</li> <li>Explaining concepts based on learned patterns</li> </ul>   | <ul style="list-style-type: none"> <li><b>Clear Role/Persona:</b> Define the desired voice strongly to guide the AI's generative style effectively. (e.g., "Act as a supportive tutor").</li> <li><b>Specify Format &amp; Style:</b> Be explicit about tone, audience, length, structure (bullets, table, etc.) to ensure the output meets your needs.</li> <li><b>Few-Shot Examples:</b> Provide 1-3 examples of the desired input/output pattern to allow creative exploration with focusing.</li> <li><b>Iterative Refinement:</b> Start broader, then refine the output with follow-up prompts.</li> </ul>   |
| Reasoning    | <ul style="list-style-type: none"> <li>Complex decision-making tasks (e.g., analyzing complex relationships for alignment)</li> <li>Ambiguous tasks and "finding a needle in a haystack"</li> <li>Applying criteria</li> <li>Built-in Chain-of-thought</li> <li>Following intricate instructions</li> <li>Logical deduction or induction with unstructured information or large dataset</li> <li>Self-review and evaluation</li> </ul> | <ul style="list-style-type: none"> <li><b>Keep prompts simple and direct:</b> With brief, clear instructions.</li> <li><b>Avoid chain-of-thought prompts:</b> These models perform reasoning internally, prompting them to "think step by step" is unnecessary.</li> <li><b>Use delimiters for clarity:</b> Section titles to clearly indicate distinct parts of the input, helping the model interpret different sections appropriately.</li> <li><b>Try zero shot first, then few shots if needed:</b> Try to write prompts without examples first. If you have more complex requirements for your desired output, it may help to include a few examples of inputs and desired outputs in your prompt. Just ensure that the examples align very closely with your prompt instructions, as discrepancies between the two may produce poor results.</li> <li><b>Provide specific constraints:</b> If there are ways you explicitly want to constrain the model's response, explicitly outline those constraints in the prompt.</li> <li><b>Be very specific about your end goal:</b> Give very specific parameters for a successful response to encourage the model to keep reasoning and iterating until it matches your success criteria.</li> </ul> |
| Agentic      | <ul style="list-style-type: none"> <li>Autonomous production</li> </ul>  | <ul style="list-style-type: none"> <li>Strong emphasis on tool use and potential iterative feedback.</li> <li>Clear boundary on what NOT to do.</li> </ul>   |