

AI-Personalized Micro-Content Design Template

From Micro-Content to Mastery

1. Micro-Content

Course / Module:

Micro-Content Title:

Format:

- ☐ Video (≤ 10 min)
- ☐ Reading / resource
- ☐ Practice activity
- ☐ Discussion prompt
- ☐ Mini-assessment
- ☐ Other: _____

Estimated Time-on-Task:

_____ minutes

2. Mastery Target

Learning Objective (student-centered):

After engaging with this micro-content, students will be able to...

Evidence of Mastery (how students demonstrate learning):

- ☐ Explain
- ☐ Apply
- ☐ Analyze
- ☐ Create

- ☐ Reflect
- ☐ Solve
- ☐ Justify

Describe briefly:

3. Personalization Strategy (Design Decision)

What will be personalized?

- ☐ Feedback
- ☐ Examples
- ☐ Practice level
- ☐ Reflection prompts
- ☐ Next-step recommendations
- ☐ Emotional / motivational support

Personalization Trigger (what activates AI support?):

- ☐ Student response
- ☐ Quiz result
- ☐ Self-assessment
- ☐ Reflection submission
- ☐ Instructor-defined checkpoint

4. AI Role (Clearly Bounded)

AI will act as:

- ☐ Learning coach
- ☐ Feedback assistant
- ☐ Practice generator
- ☐ Reflection guide
- ☐ Tutor (non-grading)

AI will NOT:

- ☐ Assign grades
- ☐ Replace instructor feedback
- ☐ Make final learning decisions

5. AI Prompt Design (Instructor-Controlled) **[Use cautiously]**

Base Prompt:

“You are a learning coach supporting students working on **[topic]**.
The learning goal is **[objective]**.
Provide concise, supportive guidance aligned with this goal.”

Personalization Layer (choose one):

- “Respond differently based on the student’s level of understanding.”
- “Offer targeted feedback addressing common misconceptions.”
- “Suggest next steps for deeper mastery.”

Output Constraints:

- ☐ ≤150 words
 - ☐ Encouraging tone
 - ☐ Plain language
 - ☐ Actionable next step included
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6. Student Experience Flow

Step-by-step learner path:

1. Student engages with micro-content
 2. Student completes quick check / reflection
 3. AI provides personalized response **[use cautiously]**
 4. Student revises, practices, or advances
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7. Checkpoint

Where does the instructor step in?

- ☐ Reviewing AI-generated feedback
- ☐ Curating exemplar responses
- ☐ Providing whole-class clarification
- ☐ Supporting students who need more help

8. Ethical Design Guardrails

- ☐ Students are told when AI is used
- ☐ AI use is optional or scaffolded
- ☐ Alternative non-AI path exists
- ☐ Accessibility reviewed
- ☐ Data privacy considered

Transparency statement to students (draft):

9. Pilot & Scale Plan

Pilot with:

- ☐ One class
- ☐ One activity
- ☐ One week

Success indicators:

- ☐ Improved responses
- ☐ Fewer misconceptions
- ☐ Stronger reflections
- ☐ Student feedback