

# High-Impact AI Prompts for Instructional Design: A Professional Reference Library

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## Executive Summary

This comprehensive library contains 10 battle-tested AI prompts that accelerate instructional design workflows by 50–70%. Developed through real-world projects in medical-device training, sales enablement, and LMS migrations, these prompts are designed for immediate implementation across diverse training contexts.

### Key Benefits:

- **Proven Results:** 50-70% acceleration in development time
  - **Engagement Boost:** 25-40% increase in learner engagement
  - **Real-World Tested:** Validated across 20+ modules at major corporations
  - **Certification-Backed:** Built by Microsoft Generative AI Professional and ESource Prompt Engineering certified practitioner
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## Table of Contents

1. Content Creation Prompts
  2. Quality Assurance & Testing
  3. Format Conversion & Optimization
  4. Compliance & Accessibility
  5. Project Management & Handoff
  6. Implementation Guide
  7. Usage Examples & Chaining
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## Content Creation Prompts

### 1. SME Transcript → Branching Scenario

**Use Case:** Daily driver for scenario-based learning development

You are an expert instructional designer specializing in medical-device and technical training.

Step 1 - Summarize the following SME transcript in exactly 150 words or less, using bullet points only.

Step 2 - Extract 3 measurable learning objectives (Bloom's "Apply" or higher) in the format: "The learner will be able to [verb] [content] [condition] [criterion]."

Step 3 - Convert the content into a 3-branch scenario in second-person ("You are a field clinician..."). Include one correct path, one common mistake path, and one critical-error path.

Step 4 - Write realistic dialogue and feedback for every choice (max 40 words each).

Step 5 - Flag any medical accuracy, bias, or accessibility issues in your own output.

**Impact:** Transforms raw SME knowledge into engaging, measurable learning experiences with built-in quality checks.

## 2. PPT Deck → Microlearning Cards

**Use Case:** Cuts conversion time by 60–90%

Convert this PowerPoint deck into 6–8 microlearning cards (Rise 360 knowledge blocks or Storyline slides) that total under 5 minutes.

Rules:

- One key idea per card
- Max 40 words of on-screen text
- Must include one interactive element per card (quiz, drag-and-drop, process sort, labeled graphic, etc.)
- All cards WCAG 2.2 AA compliant (alt text, color contrast, readable fonts)
- End with a 3-question scenario-based final assessment

**Impact:** Rapidly transforms dense presentations into digestible, interactive learning modules.

## 9. Chain-of-Thought Storyboard Generator

**Use Case:** Visualizes before building

Act as a senior storyboard artist.

From this single learning objective, generate a 6-panel visual storyboard (describe each panel in detail) suitable for Articulate Storyline or Vyond.

Include character emotions, camera angles, and exact on-screen text.

**Impact:** Bridges the gap between learning objectives and visual execution, reducing revision cycles.

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## Quality Assurance & Testing

### 3. Red-Team / Break-My-Content Prompt

**Use Case:** Hardens logic against failure modes

Act as a brand-new sales engineer with 6 months experience who hates boring training.

Your goal is to break this scenario by choosing the worst possible answers and explaining your (wrong) reasoning out loud.

Then switch roles and act as a compliance auditor. Find every regulatory or safety gap in the current content.

Finally, suggest the single highest-leverage fix that prevents both failure modes.

**Impact:** Identifies critical weaknesses before deployment, ensuring robust learning experiences.

### 5. Generate Knowledge-Check Questions + Rationales

**Use Case:** Bloom's Analyze/Evaluate focus

From the text below, write 5 multiple-choice questions at Bloom's Analyze/Evaluate level.

For each question provide:

- 4 answer options (1 correct, 3 plausible distractors)
- Full rationale explaining why correct is correct and why each distractor is wrong
- Map each question to one of the stated learning objectives

**Impact:** Creates higher-order thinking assessments with detailed feedback mechanisms.

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## Format Conversion & Optimization

### 4. 50% Shorter, Zero Information Loss

**Use Case:** Streamlines scripts & narrations

Rewrite the following script to be 50% shorter while preserving every critical fact, regulatory requirement, and learning objective. Do not add fluff. Show word count before and after.

**Impact:** Optimizes content density without sacrificing learning outcomes.

### 6. Vyond / Animated Video Script in <60 Seconds

**Use Case:** For quick video assets

Turn this 300-word procedure into a Vyond animated script under 60 seconds.

- Max 90 spoken words
- Specify exact scene changes and character actions
- Include on-screen text for key terms only
- End with one click-to-reveal knowledge check

**Impact:** Rapidly converts text-heavy procedures into engaging visual content.

### 8. Sales Enablement Battle-Card from Release Notes

**Use Case:** Ties to product cycles

Take these raw product-release notes and create a one-page sales battle card (Canva or Google Slides) that contains:

- 3 customer pain points solved
- 2 proof points / metrics
- 1 objection handler
- 1 role-play scenario starter
- All in language a sales rep can copy-paste into Gong or Chorus.

**Impact:** Transforms technical documentation into actionable sales tools.

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## Compliance & Accessibility

### 7. Accessibility & 508 Audit Prompt

**Use Case:** Ensures compliance on every deliverable

You are a Section 508 / WCAG 2.2 compliance expert.

Audit the following Rise 360 or Storyline course and output:

- Every violation with exact slide number
- One-line fix for each
- Final compliance score out of 100

**Impact:** Proactively identifies and resolves accessibility issues before publication.

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## Project Management & Handoff

### 10. Post-Project Handoff Document

**Use Case:** For seamless client transitions

Generate a one-page maintenance & update guide for the course I just built. Include:

- List of all source files and locations
- Prompt templates used (with examples)
- Known edge cases and how to handle future changes
- SME contacts and review cadence
- How to update when the product changes next quarter

**Impact:** Ensures sustainable course maintenance and smooth knowledge transfer.

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## Implementation Guide

### Getting Started

1. **Tool Selection:** These prompts work optimally with Claude 3.5 Sonnet, GPT-4o, and Copilot
2. **Human Review:** Always review AI outputs for accuracy and context appropriateness
3. **Customization:** Replace [placeholders] with project-specific details
4. **Iteration:** Refine prompts based on your specific industry and audience needs

### Best Practices

**Quality Assurance:** Always human-review outputs for accuracy, bias, and appropriateness before implementation.

**Customization:** Adapt placeholders and context to match your specific industry, audience, and compliance requirements.

**Iteration:** Track what works best for your projects and refine prompts accordingly.

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## Usage Examples & Chaining

### Workflow Example: Complete Scenario Development

1. **Start with Prompt #1** (SME Transcript → Branching Scenario)
2. **Apply Prompt #3** (Red-Team testing)
3. **Finish with Prompt #10** (Handoff documentation)

### Workflow Example: Content Optimization

1. **Use Prompt #2** (PPT → Microlearning)
2. **Apply Prompt #4** (50% shorter script)
3. **Validate with Prompt #7** (Accessibility audit)

### Tool Pairing Recommendations

- **Primary Tools:** Claude 3.5 Sonnet, GPT-4o, Microsoft Copilot
  - **Quality Check:** Always include human review in your workflow
  - **Version Control:** Track prompt variations that work best for your specific contexts
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## Proven Results & Metrics

### Development Acceleration:

- 50-70% reduction in content creation time
- 60-90% faster PPT-to-microlearning conversion

### Quality Improvements:

- 25-40% increase in learner engagement
- Significant reduction in post-deployment revisions

### Real-World Validation:

- 20+ modules shipped across major corporations (Insulet, CData)
  - Validated across medical device training, sales enablement, and LMS migrations
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## Professional Credentials

### Certifications Supporting This Library:

- Microsoft Generative AI Professional (2024)

- ESource Prompt Engineering (2024)

**Update Schedule:**

- Monthly refinements based on new client edge cases
  - Continuous optimization from real-world project feedback
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## Contact & Collaboration

For custom adaptations of these prompts or collaboration on AI-enhanced learning projects, connect with the author through professional channels.

**Specializations:**

- Medical device training optimization
  - Sales enablement acceleration
  - LMS migration and content conversion
  - Compliance-focused instructional design
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*This prompt library represents battle-tested solutions from real instructional design projects. Each prompt has been refined through practical application and measurable results across diverse training contexts.*