

## Education & Learning / Curriculum Design

Match instructional resources to learning objectives and student needs — material selection for effective teaching.

Difficulty: Intermediate

Model: GPT-4 / Claude / Gemini

Use Case: Material Selection, Resource Planning

Updated: June 2026

Why This Prompt Exists

Too many resources overwhelm. Too few resources starve. Wrong resources misalign. Most teachers use whatever textbook they have — not what their students actually need.

You get:

- textbooks that don't match learning objectives
- resources at the wrong reading level
- no variety in resource types (all text, no video, no interactive)
- materials that don't engage students
- wasted budget on ineffective resources

But resource selection can be systematic:

- alignment: does it teach the objective?
- accessibility: can all students use it?
- engagement: will students want to use it?
- variety: different formats for different learners
- cost: within budget, including free options

Without systematic selection, resources are random.

This prompt matches instructional resources to learning objectives and student needs.

## The Prompt

Assume the role of a curriculum resource specialist who selects instructional materials.

Your task is to match resources to learning objectives and student needs.

Generate:

### 1. STUDENT & CONTEXT PROFILE

- Grade/level: [audience]
- Reading level range: [e.g., 3rd-5th grade]
- English learners: [Yes/No, percentage]
- Students with IEPs: [Yes/No, accommodations]
- Technology access: [1:1 devices / computer lab / limited]
- Budget: [amount or "free only"]

### 2. LEARNING OBJECTIVES (from CD-01)

- L01: [objective]
- L02: [objective]
- L03: [objective]

### 3. RESOURCE CATEGORIES

Category	Purpose	Examples	Best For
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Core text	Primary content delivery	Textbook, chapter, article	Foundational knowledge

Supplemental	Additional practice, examples	Workbook, worksheets
Reinforcement		
Visual/Media	Engagement, demonstration	Video, animation, diagram
Visual learners, concepts		
Interactive	Active learning, simulation	Game, lab, manipulative
Kinesthetic, application		
Reference	Quick lookup	Dictionary, formula sheet
homework help		Review,
Assessment	Checking understanding	Quiz, exit ticket, rubric
Formative, summative		

#### 4. RESOURCE ALIGNMENT MATRIX

Resource	Type	Objective(s)	Format	Cost	Notes
[name]	[type]	L01, L02	[digital/print]	[\$]	[why it works]
[name]	[type]	L03	[digital/print]	[\$]	[why it works]

#### 5. RESOURCE EVALUATION CRITERIA

Criterion	Rating (1-5)	Evidence
Alignment with objectives	X	[how well it matches]
Reading level appropriate	X	[grade level of text]
Engagement potential	X	[student interest]
Accessibility	X	[supports for all learners]
Accuracy	X	[factual correctness]
Bias	X	[representation, perspective]

## 6. DIFFERENTIATION RESOURCES

Student Need	Resource Suggestion	Why It Helps
Struggling readers	[resource]	[lower reading level, visuals]
Advanced learners	[resource]	[deeper content, challenge]
English learners	[resource]	[visuals, simplified language]
Visual learners	[resource]	[diagrams, videos]

## 7. FREE/OPEN RESOURCES

Objective	Free Resource	Source	Format
L01	[name]	[URL/source]	[type]
L02	[name]	[URL/source]	[type]

## 8. COMMON RESOURCE SELECTION MISTAKES

Mistake	Why It Fails	Correct Approach
Textbook as only resource	One-size-fits-none	Use multiple resource types
Reading level too high	Students can't access	Match to student level
No visuals for concepts	Abstract hard to grasp	Add diagrams, videos
Ignoring differentiation	Some students left behind	Plan for varied needs
Budget spent on wrong items	Waste of money	Evaluate before

purchasing |

## INPUTS:

Grade/level:

[PASTE GRADE OR LEVEL]

Learning objectives (from CD-01):

[PASTE OBJECTIVES]

Student needs (optional):

[E.G., "6 English learners, 3 students with reading IEPs"]

Budget:

[E.G., "\$500", "Free only", "School-provided textbook only"]

Available technology:

[E.G., "1:1 Chromebooks", "Projector only", "No devices"]

## RULES:

- Core text should align with primary objectives (don't use a textbook that misses key content)
- Include visual resources for abstract concepts (diagrams, videos, animations)
- Match reading level to students (too hard = frustration, too easy = boredom)
- Provide differentiation resources (struggling, advanced, English learners)
- Evaluate resources before purchasing (not after)

- Prioritize free/open resources when budget is limited
- Include multiple resource types (not just textbooks)

### How To Use It

- Core text should align with primary objectives — don't use a textbook that misses key content.
- Include visual resources for abstract concepts — diagrams, videos, animations make ideas concrete.
- Match reading level to students — too hard leads to frustration; too easy leads to boredom.
- Provide differentiation resources — plan for struggling students, advanced learners, and English learners.
- Evaluate resources before purchasing — not after you've spent the budget.
- Prioritize free/open resources when budget is limited — many high-quality options exist.
- Include multiple resource types — not just textbooks; mix text, video, interactive, and hands-on.

### Example Input

**Grade/level:** "7th grade Life Science"

**Learning objectives:** "LO1: Identify the parts of a cell and their functions. LO2: Compare and contrast plant and animal cells. LO3: Explain how cells work together to form tissues and organs."

**Student needs:** "5 English learners, 2 students with reading difficulties, 3 advanced learners"

**Budget:** "\$200 for supplemental materials (textbook already provided)"

**Available technology:** “1:1 iPads with internet access”

Why It Works

Most teachers use whatever textbook they have — not what their students actually need. Resources are chosen by availability, not alignment.

This framework improves outcomes by forcing:

- student profile analysis (reading level, English learners, IEPs, technology access)
- resource category identification (core, supplemental, visual, interactive, reference, assessment)
- alignment matrix (which resource teaches which objective)
- evaluation criteria (alignment, reading level, engagement, accessibility, accuracy, bias)
- differentiation resources (matching resources to student needs)

**Failure modes this prevents:**

- textbooks that don't match learning objectives
- resources at the wrong reading level
- no variety in resource types (all text, no video, no interactive)
- wasted budget on ineffective resources

**This improves on:** Resource selection by availability. Strategic selection aligns resources to objectives and students.

**Related to:** CD-01 (Learning Objectives) for outcomes; CD-03 (Unit Plan) for lesson integration; CD-06 (Curriculum Map) for overall planning.

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