
AI-Integrated Assignment Example

Assignment Title: Build a Notebook LM**Module #:** Week 3

Description: We want to build an AI tool that will produce reliable results you can then architect into quality instructional planning. This means we want as few "hallucinations"--AI speak for confident, yet false, misleading, or nonsensical outputs-- as possible. These occur when these systems produce information that is not supported by trained systems and are caused by model overconfidence, data gaps, and biases. As the video you watched points out, because you are entering the data the AI will use to triangulate output, and that information is presumably vetted, the hallucination rate should be very low. However, without enough source material, so too will be the creativity. We need to strike just the right balance, and your knowledge base has to be firm enough to know the output is accurate and will work for your students.

Learning Outcomes: After completing this lesson, students will be able to:

1. Develop a curated digital knowledge base by collecting and organizing high-quality instructional resources, state standards, and evidence-based educational frameworks within Google NotebookLM.
 2. Evaluate the quality and relevance of instructional resources by selecting authoritative sources that support curriculum planning, differentiation, and instructional decision-making.
 3. Integrate curriculum standards with instructional frameworks by organizing state standards, Understanding by Design (UbD), Universal Design for Learning (UDL), Visible Learning, and other research-based resources into a unified reference system.
 4. Demonstrate AI literacy by constructing a trusted knowledge base that reduces AI hallucinations and improves the accuracy, reliability, and usefulness of AI-generated instructional support.
 5. Apply principles of instructional design by preparing a comprehensive resource that supports standards-aligned lesson planning, scaffolding, differentiation, and assessment.
 6. Analyze curriculum across grade levels by collecting standards and instructional resources that extend beyond a single grade level to support vertical curriculum alignment.
 7. Utilize educational technology effectively by creating and sharing a functional NotebookLM workspace that supports professional planning and ongoing instructional improvement.
 8. Demonstrate professional responsibility by organizing educational resources in a manner that reflects evidence-based practice, ethical AI use, and a commitment to improving student learning.
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AI Usage Statement:  *Green (Full AI) — AI may be used as a "co-pilot," allowing for a collaborative approach that enhances creativity. Students do not have to specify which content is AI-generated.*

Instructions

Part 1: Gather your Sources

You will be limited to 50 sources in a free Google NotebookLM. Some of those resources will be required (8 sources), as I will be providing them to you. The remaining 42 you will choose on your own. *You do not have to use all 50 allowable resources.*

1. On your state's official Department of Education Website, locate the standards of learning for your subject area.
 - Download the entire scope and sequence of either elementary or secondary set of standards. Then choose one grade level below as well. So you will want either K-6 or 5-12. This will be important later.
 - Locate any "Understanding the Standards" documents your state provides. These may be called "Know, Understand, and Do" or similarly titled. Again, download the entire elementary or secondary scope and sequence and one above or below (K-6 or 5-12).
 - Locate and download any other K-12 resources your state provides for your subject area you think may be helpful. For example, for ELA, you might download [Resources for Using Text-Dependent Questions](#), [Text Complexity Guidelines](#), [Released Tests and Item Sets](#), [Test Blueprints](#), etc. These are just some examples and not meant to be an exhaustive list. You may find more useful resources from your state.
 - ***Remember, it is important to think BEYOND your individual grade level.*** Whatever resources you add, be sure to include the entire elementary or secondary scope and sequence.
2. Download and add the following **required** resources--
 - [Understanding By Design](#)
 - [UbD Concepts for Creating and Reviewing Units](#)
 - [Instructional Supports and Scaffolds Library](#)
 - [250+ Influences on Student Achievement](#)
 - [The Illustrated Guide to Visible Learning](#)
 - [High Impact Teaching Strategies](#)
3. Add the following Online resources--
 - [Universal Design for Learning](#)
 - [Hattie's Visible Learning Meta^x](#)

Part 2: Build the NotebookLM

Access [Google Notebook LM](#). Click on the black button "Try NotebookLM."

It is important that you use your Regent Google account, or you will not be able to share it with me!

1. Click on the black button "Create New" in the upper right-hand corner.
2. A box will pop up for you to upload resources. Close this for the time being.
3. In the upper left-hand corner, click in the space where it says "Untitled Notebook" and give

your notebook a name based on your subject matter, state, and grade levels along with your last name. For example: Last Name_VA ELA 6-12, Last Name_NY Biology, or Last Name_NC_4th Grade Science.

4. Click on the "Upload a Source" button in the center of the screen.
5. Choose the appropriate type of source and upload all of your sources. Remember, you are limited to 50.

If you have any trouble, you can always access the tutorial information in [Week 3 Notes](#) or [Week 3: Study](#).

Part 3: Share Your Notebook

1. In the upper right-hand corner of the screen, click on "Share."
 2. Type my email in the "Add people and group" bar (mfinnegancop@regent.edu).
 3. At the bottom of the pop-up screen, under "Viewers have access to--," make sure it says "Full notebook" in the drop-down.
 4. Click "Copy link."
 5. Paste your link into this assignment.
 6. Submit this assignment.
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AI Disclosure Statement [for students to complete]

Include a brief statement (2–3 sentences) describing how AI was used in this assignment, if at all.

AI Disclosure: [Insert AI disclosure statement here.]

Resources [Insert links, templates, rubrics, additional resources here]
