Google NotebookLM for the Classroom

Google - Notebook-LM For the Classroom

27 FEBURARY 2025
4:00 - 5:00 PM
RM 2445 - BUZZARD HALL

Useful for your professional learning or interactively creating lessons.

NotebookLM helps teachers interact with notes, slides, websites, and videos. It can create summaries, explanations, answers questions, and more. Point it to your notes, websites, or YouTubes and create a lesson, slide set, guided questions, or full lesson plan. It even produces a two person audio podcast based on your lesson notes or any article.

What is? GOOGLE NotebookLM Explained

JOIN IN PERSON OR ZOOM-IN

Questions: tsullivan@eiu.edu
www.eiu.edu/rsi

Rural School Initiative

Introduction to Notebook LM:

Empowering Education Through AI

NotebookLM

Closed Sandbox 'AI' for the Teacher

Slides

EIU RURAL SCHOOL INITIATIVE

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Register for Credit

Sign-In

Zoom Link

https://tinyurl.com/NotebookLMsignin

In Sept. Google updated NotebookLM with Expanded Sources & Audio Features

In September 2024, NotebookLM added an options to create an audio overview, including a podcast-style conversation drawn from your sources. The combination of AI tools, including chat and notes features, makes NotebookLM one of the most effective AI tools for the classroom.

NotebookLM is free to use

- **Users of NotebookLM must:**
    - **Be at least 18 years old.**
    - **Have a Google account.**
    - **Be in one of the 180 regions where the Gemini API is available.**

Google does not use your data to train NotebookLM. However, NotebookLM is experimental and, like most AI services, may sometimes provide incorrect information. Use your teacher knowledge.

https://www.techrepublic.com/article/google-notebooklm-expands-sources-citations/

Free Version

- Create up to 100 notebooks
- Upload up to 50 documents per notebook
- Add documents up to 100 MB and 500,000 words
- Add PDFs, Google Docs, or pasted text
- Save AI responses and key passages in a noteboard

Premium Version is NotebookLM+ - includes Gemini+ , faster, more capacity

What is Notebook LM?


- Google's innovative AI-powered note-taking and research assistant.
- Designed to enhance reading comprehension and analysis
- Built-in source verification and citation tracking
- Secure platform with a focus on academic integrity
- Helps teachers organize and process educational content efficiently

Key Features for Educators

- Intelligent summarization of complex texts
- Question-Answer capabilities using source materials
- Real-time fact-checking and verification
- Collaborative workspace lesson planning
- Integration with Google Workspace (Docs & G-Classroom)
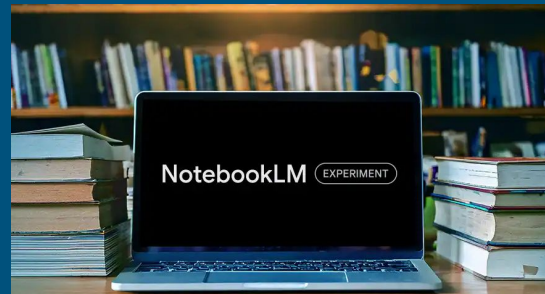
Benefits for Teachers
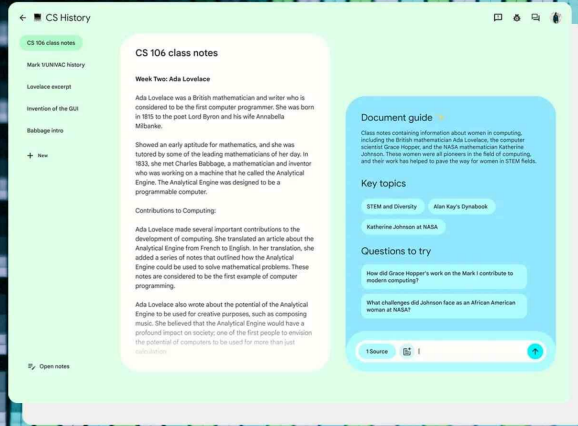
- Saves time in lesson planning
- Summarizes lengthy educational materials
- Generates discussion questions
- Creates quick assessments
- Helps differentiate instruction
- Provides research assistanc

Getting Started

- Visit notebooklm.google.com
- Sign in with Google account
- Create a new notebook
- Upload or paste educational content
- Start interacting with the AI assistant
- Save and organize your work
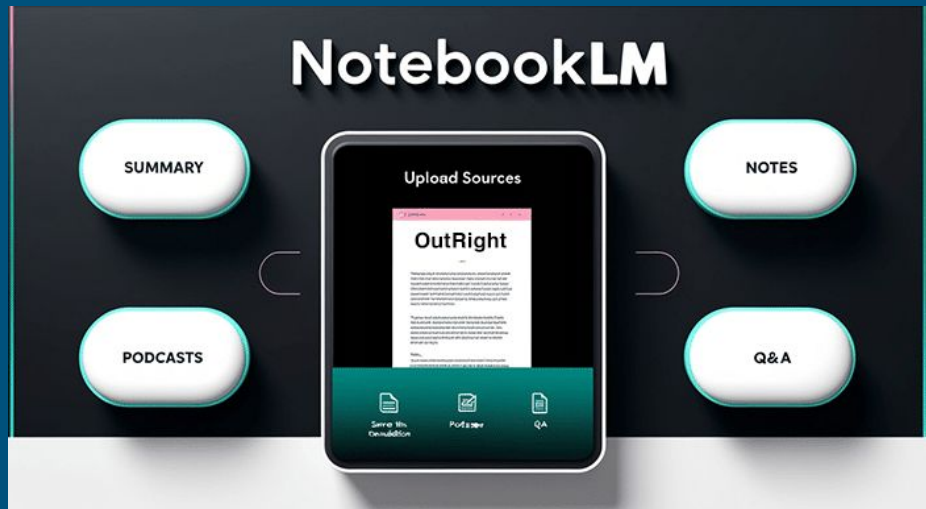
Practical Example 1: Lesson Planning

- Upload your curriculum standards
- Ask NotebookLM to:
  - Break down standards into objectives
  - Suggest activities aligned with objectives
  - Create assessment questions
  - Generate differentiation strategies
  - Example Query: "Create a week-long lesson plan for photosynthesis"

# Practical Example 2: Content Summary

Upload a textbook chapter

- Request:
  - Main concepts summary
  - Key vocabulary list
  - Student-friendly explanations
  - Review questions
  - Example Query: "Summarize this chapter for 7th-grade reading level"
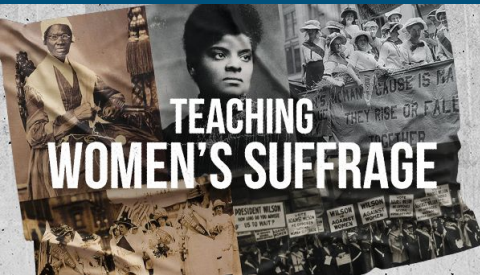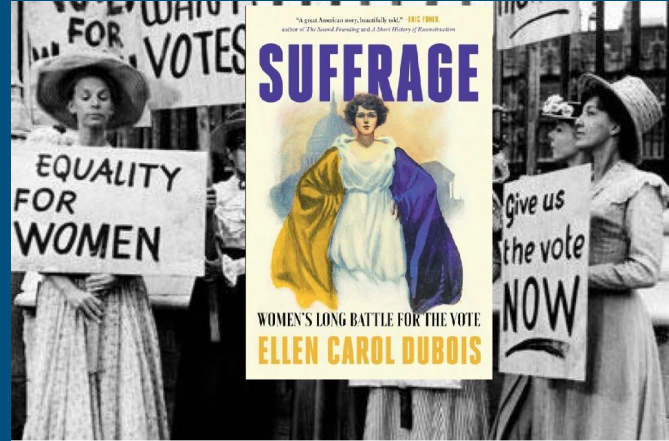
Best Practices

- Be specific in your requests
- Review AI-generated content before use
- Combine with your professional judgment
- Use as a starting point, not final product
- Keep student needs in mind
- Save successful prompts for future use
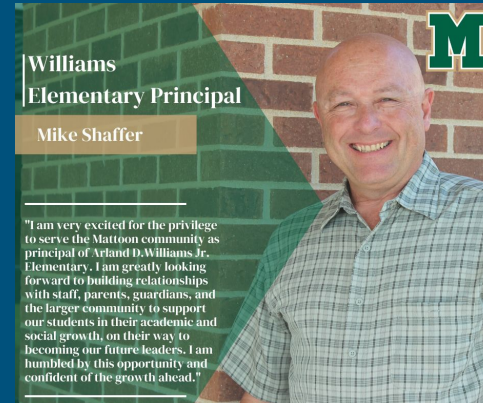
Common Applications

- Content summarization
- Creating study guides and guided questions
- Generating writing prompts
- Developing rubrics
- Crafting exit tickets
- Formulating discussion questions
- Building vocabulary lists
- Creating differentiated worksheets
- Lesson planning enhancement
- Research assistance
- Student support materials

Professional Applications

- Lesson planning enhancement
- Study guide creation
- Research assistance
- Content summarization
- Student support materials
- Professional development
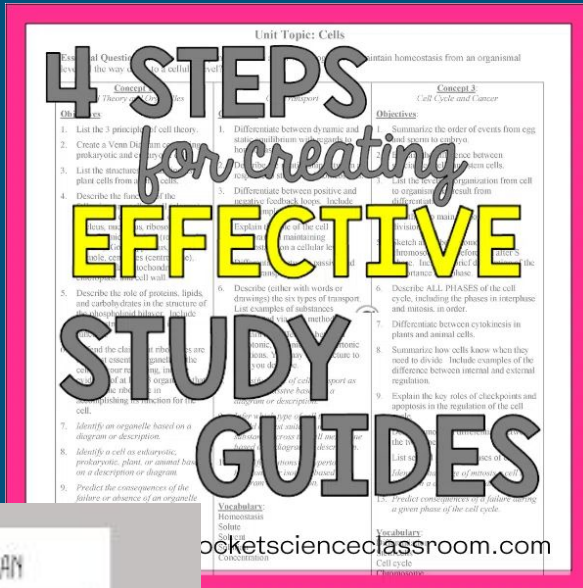
Tips for Success

- Start with small, specific tasks
- Experiment with different prompt styles
- Share successful strategies with colleagues
- Keep an organized notebook system
- Regular backup of important content
- Document effective prompts

Tips and Tricks

Keyboard shortcuts

Time-saving features

Organization strategies

Effective prompting techniques

Troubleshooting common issues

Resource optimization

Next Steps and Resources

- Join NotebookLM teacher communities
- Practice with sample content
- Start with one subject area
- Set realistic implementation goals
- Share feedback with colleagues
- Stay updated on new features

Find Support @ help.google.com/notebooklm

Upload Sources
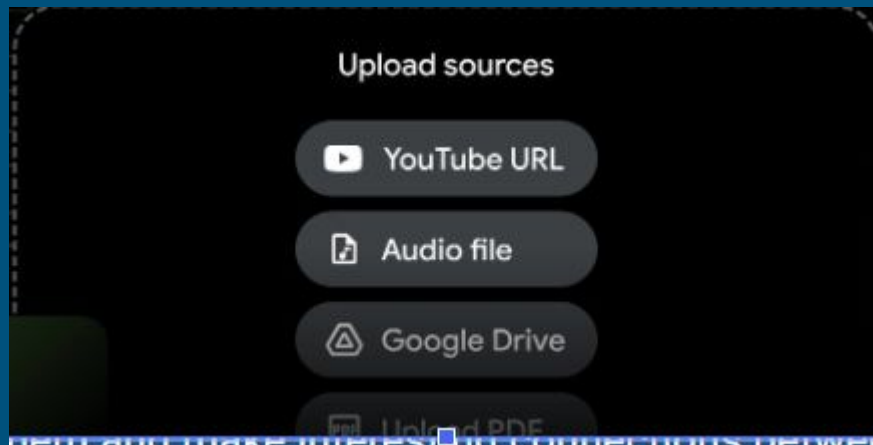
Upload sources

Upload: PDFs, Websites, YouTube, Audio files, Google Docs, or Google Slides

NotebookLM will summarize them and make connections between topics

MultiModal and MultiLingual

See the source, not just the answer

NotebookLM provides clear citations

Shows exact quotes from sources
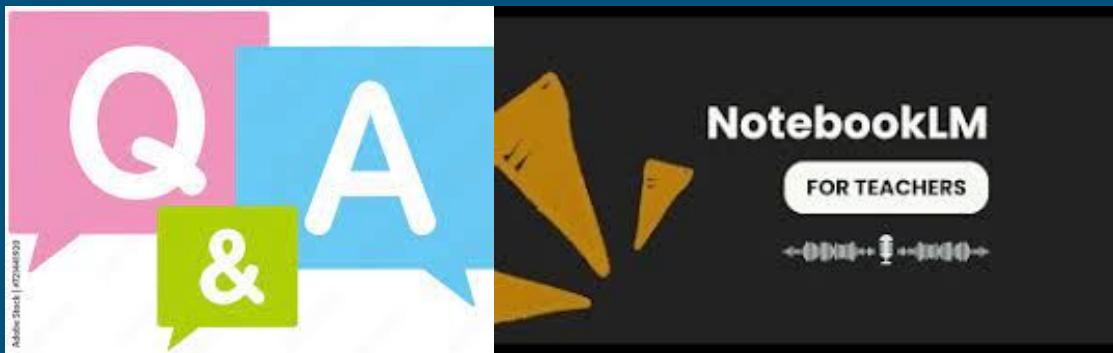
Listen and learn on the go

Audio Overview feature - turn sources into "Deep Dive" discussions

Produce audio podcast discussing a topic for learning or review

Questions-Comments!

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Slides