

Vibe Coding

Creating interactive activities and automating tasks



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INTRODUCTION

A TALE OF 2 VIBES

Secret Santa

Why?

- Automatic
- Fair
- Easy

How

- Chat GPT
- Google form
- Google Script within sheets

Outcome

Success!

Recipe Selector

Why?

- Recipe selection from the internet
- Allow skimming from the Web
- Create a weekly dinner plan
- Generate Shopping List

How

- Chat GPT, Gemini, Google console
- Google Script within sheets

Outcome

Work in progress.....

TIME TO JOIN THE FUN!

1. Idea
2. Describe it in detail
3. Use the solution
4. Test the solution
5. Refine the solution

What is vibe coding?

Vibe coding is a term for using natural language prompts to guide an AI into generating, refining, and debugging code for apps or websites, shifting focus from line-by-line coding to high-level guidance and rapid prototyping.

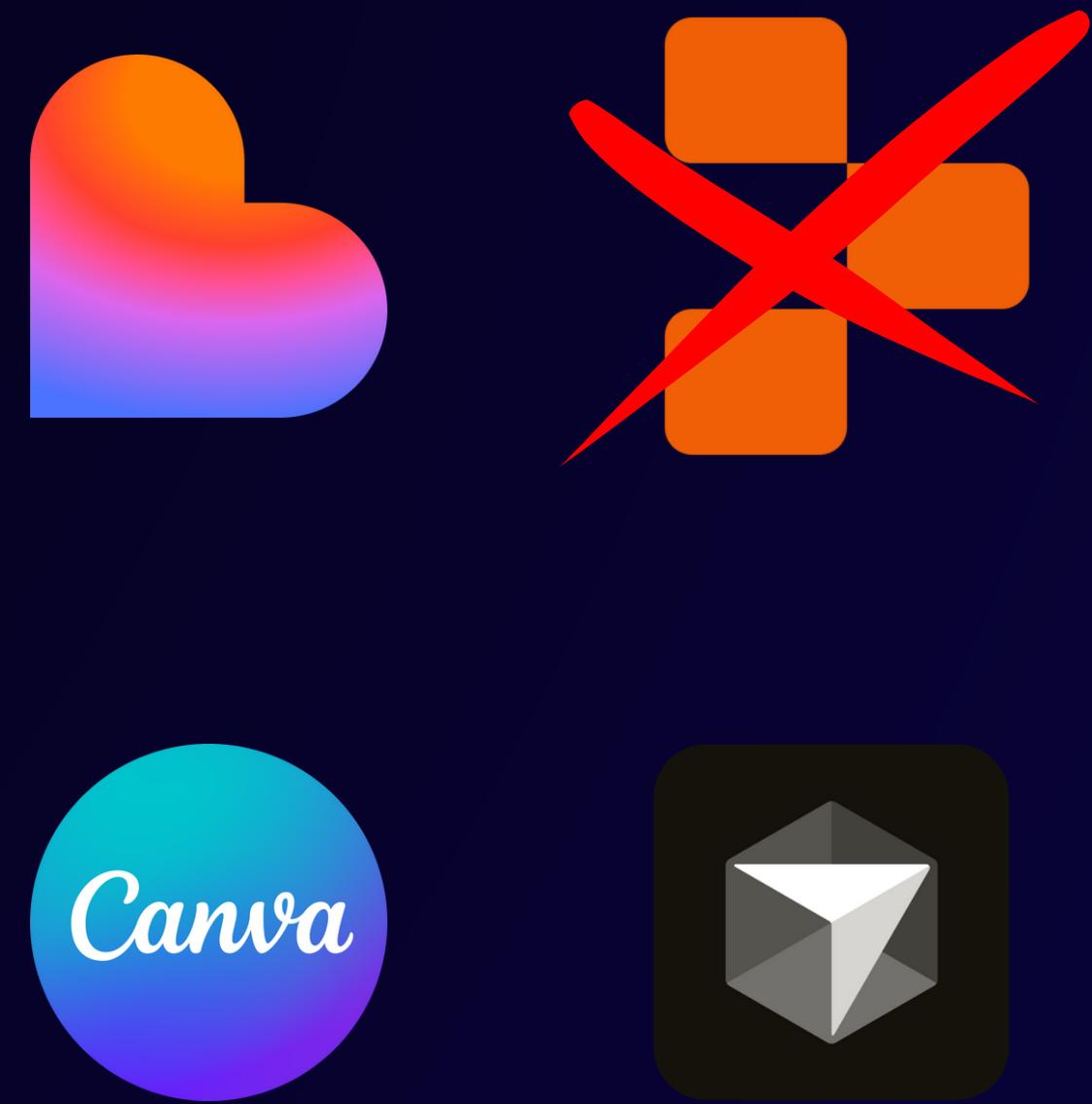


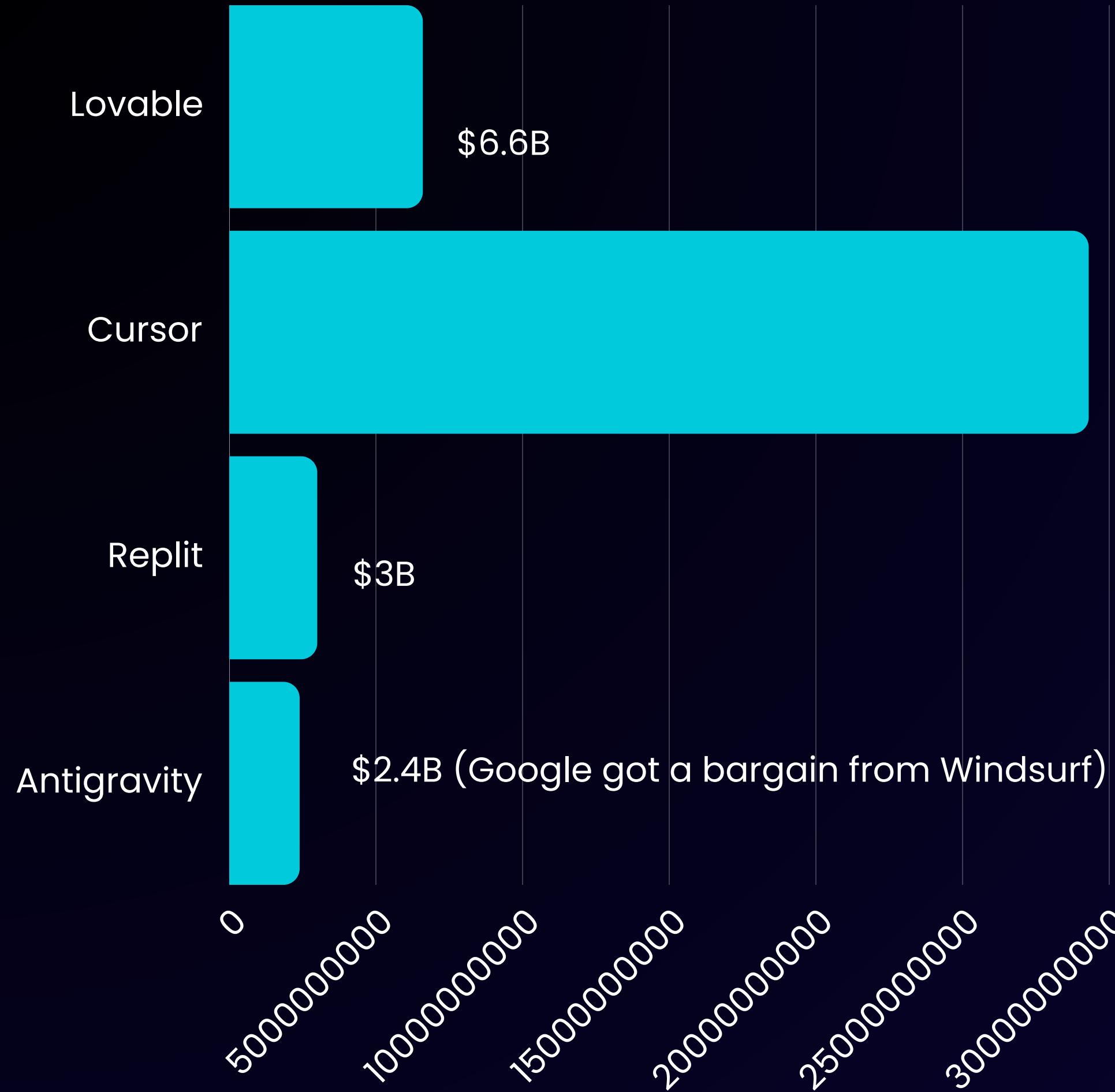
Describing an app you want in plain English – and having a computer program it for you

Main players



Notable Contenders





TECH

Vibe coding startup Lovable's latest funding round values it at \$6.6 billion, sources say

PUBLISHED TUE, DEC 16 2025 11:40 AM EST | UPDATED TUE, DEC 16 2025 11:50 AM EST

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SHARE    

<https://www.cnbc.com/2025/12/16/ai-startup-lovelies-round-values-it-at-6point6-billion-sources.html>

Cursor Triples Its Value to \$29.3 Billion

Bloomberg Technology - TV Shows
November 15th, 2025, 5:30 AM GMT+0800

AI-coding startup Cursor raised a \$2.3 billion funding round that valued the company at \$29.3 billion. Cursor CEO Michael Truell discusses the startup's plans for the funding and its growth among enterprise customers. He joins Caroline Hyde and Ed Ludlow on "Bloomberg Tech." (Source: Bloomberg)

<https://www.bloomberg.com/news/videos/2025-11-14/cursor-triples-its-value-to-29-3-billion-video>

Vibe Coding Tool Replit Doubles In Valuation To \$3 Billion

The Foster City, California-based startup that helps turn written instructions into working apps and websites has just raised a \$250 million round at double its last valuation.

<https://www.forbes.com/sites/ianmartin/2025/07/30/vibe-coding-tool-replit-doubles-in-valuation-to-3-billion/>

What it means for us

1. Improving what students see and interact with in lessons
2. Reducing the time spent on preparation and administration

Cursor CEO warns vibe coding builds ‘shaky foundations’ and eventually ‘things start to crumble’

Pros

- Very **low barrier to entry** with fast creation from natural language prompts
- Encourages creativity and **rapid prototyping** of interactive content
- **Visually polished** and engaging with minimal effort

Cons

- Does not clearly distinguish between code and data, and **may alter data unpredictably**
- **Limited ability** to manipulate or inspect data and program logic
- **Difficult to explain, debug**, or transfer learning to real coding contexts



Canva Code

Student-facing

Interaction & engagement

Lives inside slides

“What students click”



Google Opal

Teacher-facing

Process & automation

Lives behind the scenes

“What teachers repeat”





Canva Code

adding
interaction to
learning materials

A white asterisk symbol is positioned to the right of the text "interaction to" on the orange background.

Canva Code focuses on creating interactive elements inside Canva designs. Instead of static slides or worksheets, teachers can add simple activities that students can click, drag, or explore during a lesson.

← Interactive Multiplication Quiz: 10 Questions

Version 1 | ⏪ Reset

Show code Use in a design X

Create an interactive multiplication quiz with 10 questions

I'll create a fun, interactive multiplication quiz with 10 questions that tracks your progress and gives you a final score!

Perfect! Your multiplication quiz is ready! 🎉 It features 10 randomly generated multiplication problems, tracks your score with a beautiful animated progress circle, and shows a detailed review of all your answers when you're done. Click submit when you've answered all the questions, then try again to get a new set of problems!

Version 1 >

Ask me anything

>Your answer

Question 1 1/10

$11 \times 11 = ?$

Question 2 2/10

$6 \times 2 = ?$

Question 3 3/10

$6 \times 8 = ?$

← Draggable Number Line for Exploring Integers

create a draggable number line for students to explore positive and negative numbers

I'll create an interactive number line where students can drag a marker to explore positive and negative numbers!

Perfect! I've created an interactive number line where students can drag the golden marker to explore numbers from -10 to +10. The display shows the current number in large text, and helpful information appears below explaining whether it's positive, negative, or zero. Try dragging the marker around or clicking anywhere on the line to jump to that number!

Version 1 >

Ask me anything

Version 1 | ⏪ Reset Show code Use in a design Publish X

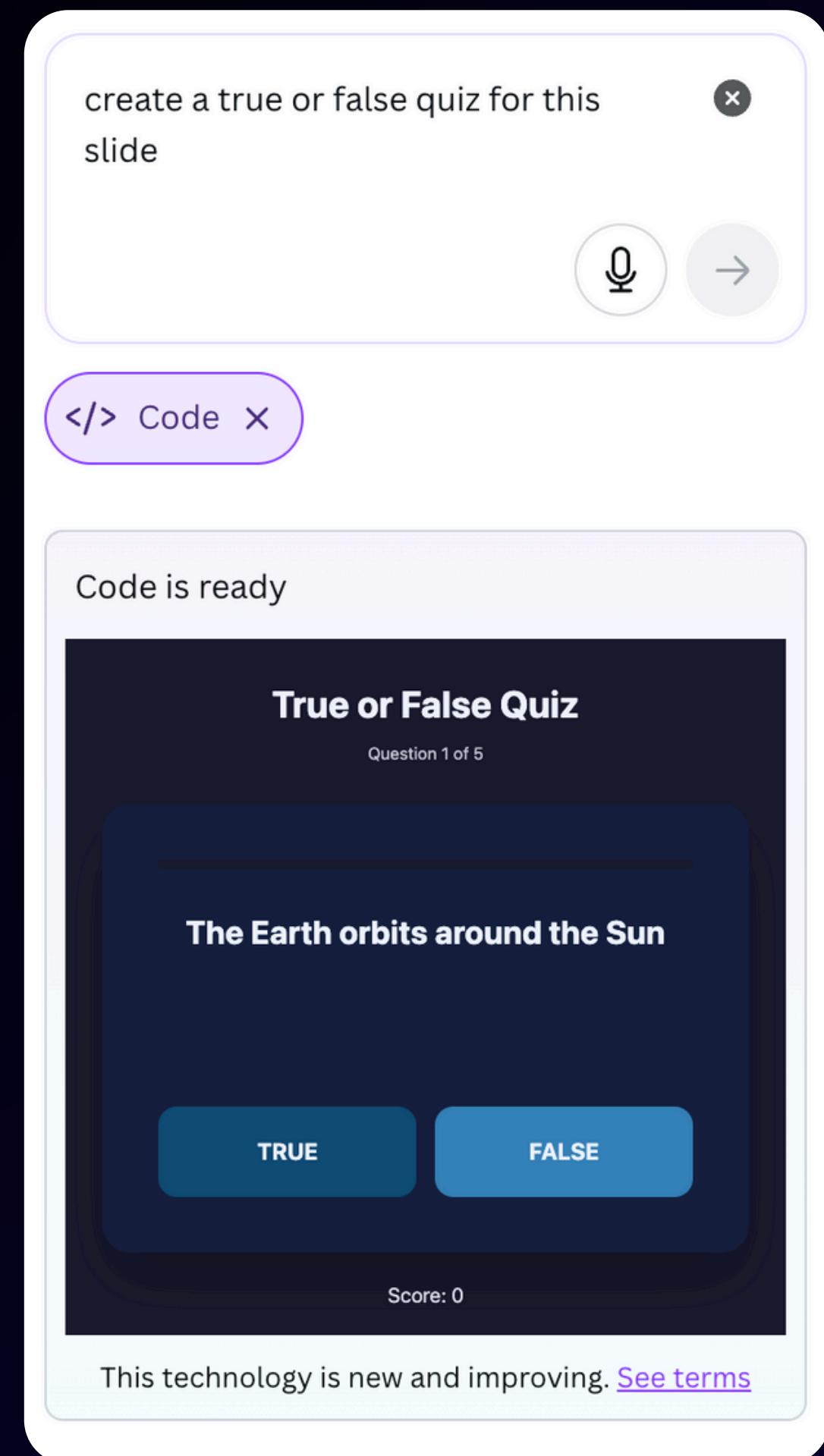
Explore the Number Line

Drag the marker to explore positive and negative numbers!

-4

-10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9 10

-4 is a negative number. It's 4 units to the left of zero.



Insert into designs you've made



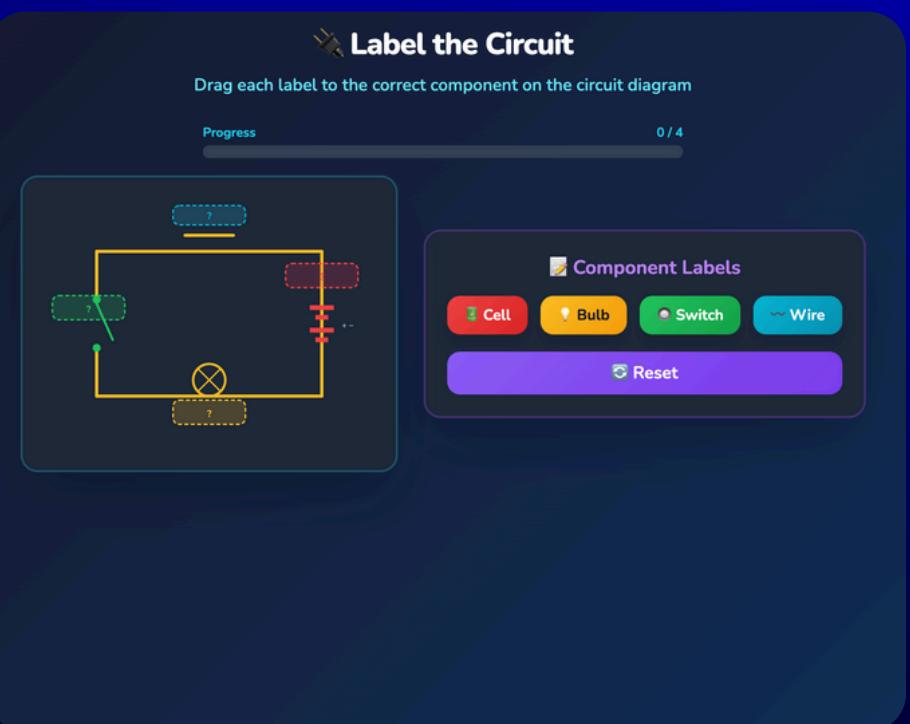
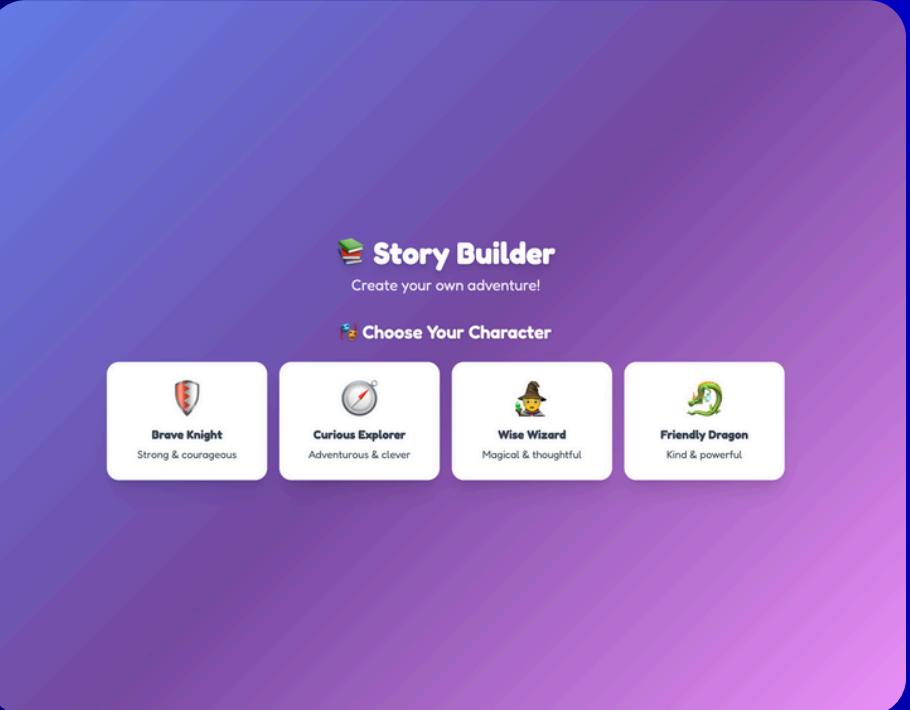
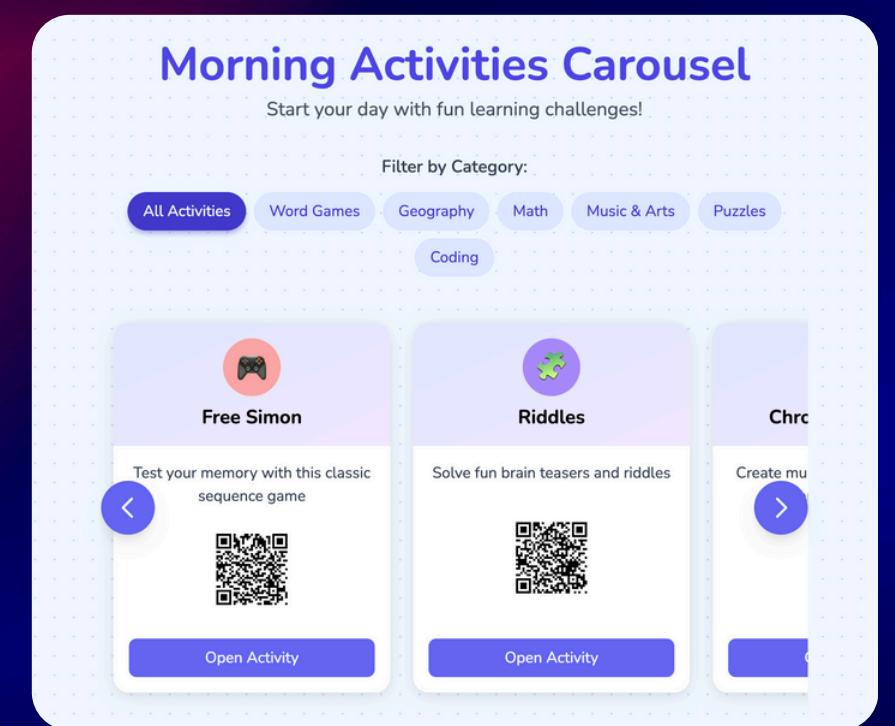
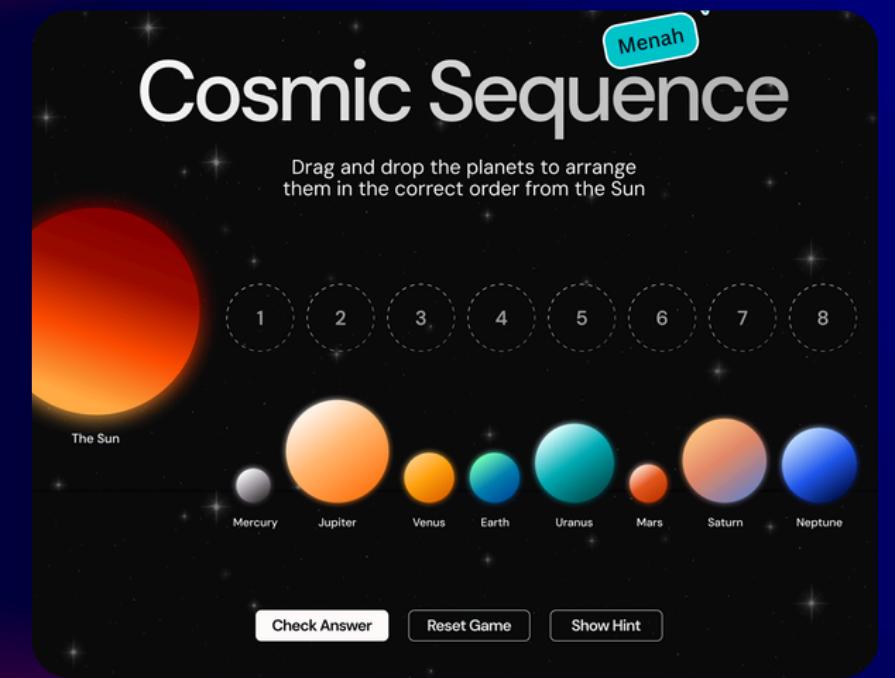
Where it works best

- Making lessons more interactive without additional software
- Turning worksheets into digital activities
- Adding engagement to presentations or revision tasks
- Supporting whole-class discussion using the board

Reflection Time

Stay seated, stand or move around

- Have a discussion
- Try it out
- Record some notes
- Take a moment to process or reflect





Google Opal

automating
teacher
workflows



Google Opal is less concerned with presentation and more focused on process. It allows teachers to describe a task once and then reuse it repeatedly. The result is a workflow that can save time across planning, assessment, and communication.



Opal

≡ Input

◆ Generate

▪ Output

A Gemini-powered AI App



Design the process yourself

The screenshot shows the Makeblock Lesson Planner app interface. At the top, there are tabs for 'Lesson Planner' (selected), 'EXPERIMENT', and 'Draft'. The main area is titled 'Lesson Planner' and shows a workflow: 'Lesson Title' (yellow box) flows into 'Generate Lesson Plan' (blue box), which then flows into 'Render Lesson Plan as' (green box). Below the workflow, there are buttons for 'Edit these steps', a microphone icon, and a speech bubble icon. A message at the bottom says 'Opal can make mistakes, so double-check it'. On the right side, there are tabs for 'Preview', 'Console', 'Step', and 'Theme'. The 'Preview' tab is selected. Below the tabs, there are sections for 'Hinge Questions' and 'Plenary Activities'. The 'Hinge Questions' section contains three numbered questions about frog life cycles. The 'Plenary Activities' section contains a bullet point about a 'Life Cycle Chain' activity.

Lesson Planner EXPERIMENT Draft

App Editor Saved Share App

User Input Generate Output Add Assets

Lesson Title

Generate Lesson Plan

Render Lesson Plan as

Hinge Questions

1. What is the very first stage of the frog's life cycle, and where does it typically develop? (Checks understanding of initial stage and habitat)
2. How is a tadpole different from a froglet, and what important changes are happening during that transition? (Assesses understanding of metamorphosis and physical changes)
3. If a frog loses its pond, how might that affect its life cycle? (Promotes critical thinking about environmental factors)

Plenary Activities

- "Life Cycle Chain": Each student or pair is given a card with one stage. They must arrange themselves in the correct order to form a

Edit these steps

Opal can make mistakes, so double-check it

Share output Download file

Or describe what you need



Where it works best

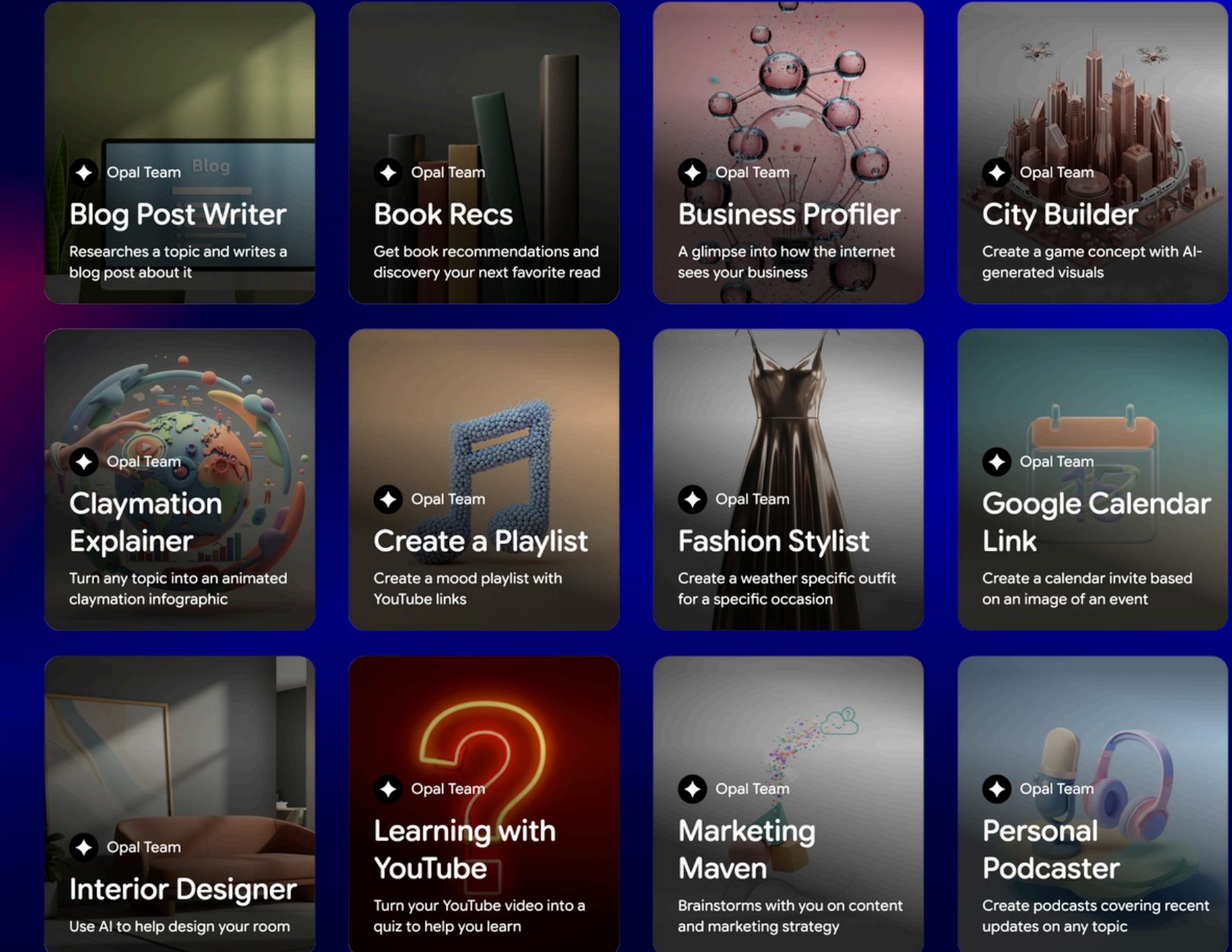
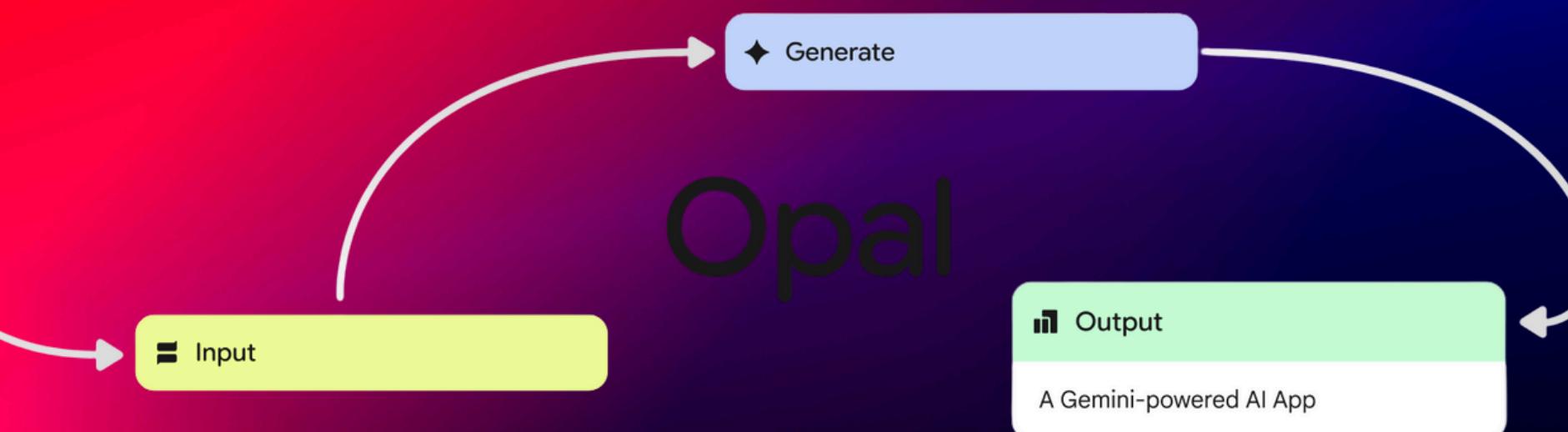
- Lesson planning and resource preparation
- Simplifying complex texts that are often repeated
- Creating vocabulary lists and summaries
- Drafting communications or planning documents
- Reducing repetitive administrative work

Reflection Time



Stay seated, stand or move around

- Have a discussion
- Try it out
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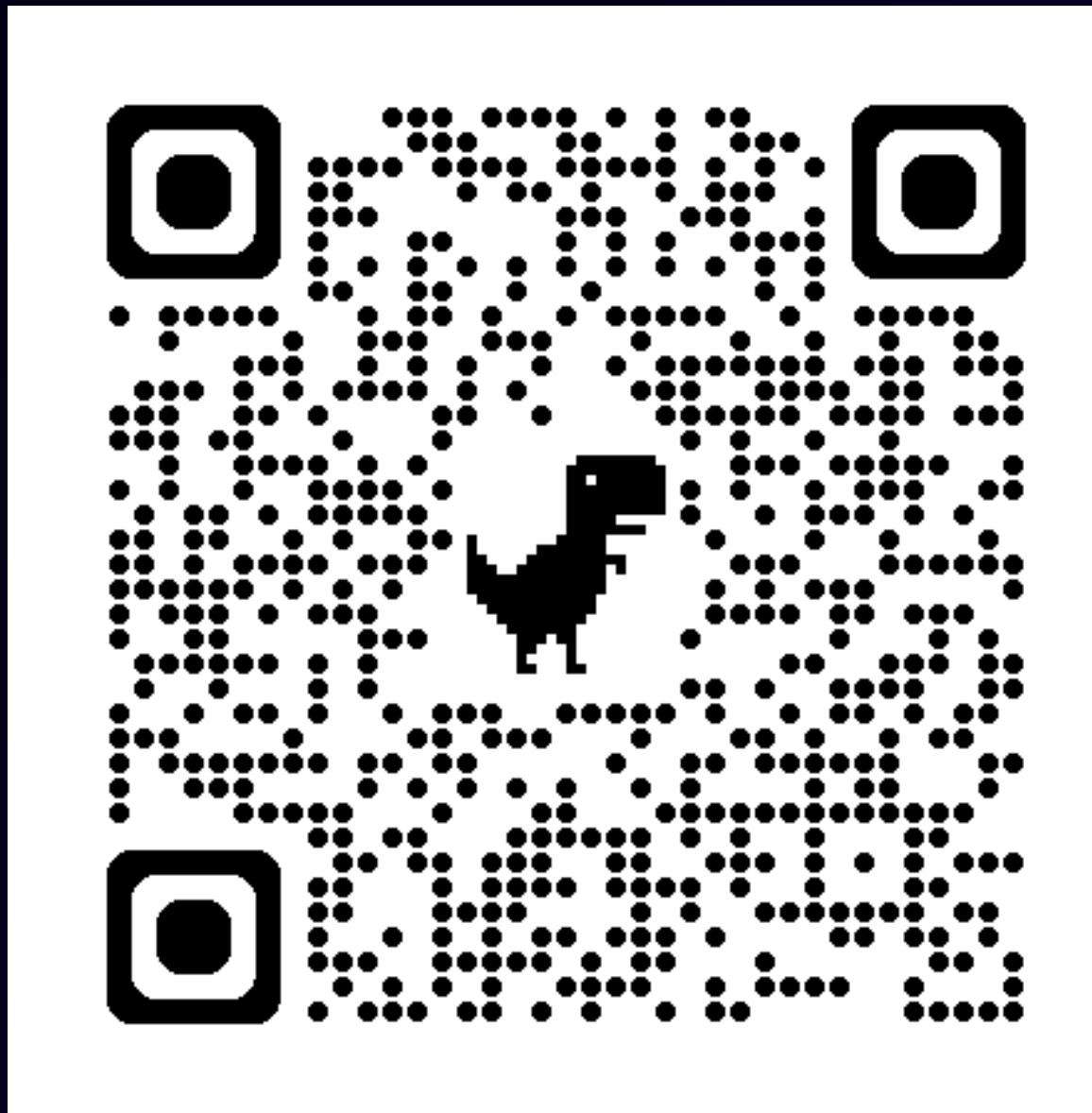


Live Cook



Canva

Two AI Tools For Teachers: Different Strengths, Different Uses



<https://tinyurl.com/aismvibe>



A screenshot of the Canva AI interface. At the top, there are three buttons: "Your designs", "Templates", and "Canva AI" (which is highlighted with a blue outline). Below this is a large input field with the placeholder text "Describe your idea, and I'll code it for you". To the right of the input field are three icons: a gear, a microphone, and a right-pointing arrow. At the bottom of the input field are four buttons: "</> Code X", "Grocery list builder", "Interactive certificate", and "Biology quiz".



<https://www.canva.com/ai-code-generator/>



A screenshot of the Google Opal interface. At the top, it says "Untitled Opal app" with a back arrow, "EXPERIMENT" (which is highlighted with a blue outline), and "Draft". To the right are "App" and "Editor" buttons, with "Editor" being the active tab (indicated by a blue outline). Below this is a large input field with the placeholder text "Describe what you want to build". To the right of the input field are a microphone icon and a right-pointing arrow icon.



<https://developers.google.com/opal>

Have a go