

Google Gems for Educators

Smarter Teaching with AI

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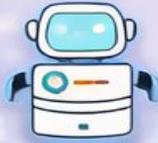
WHAT ARE GOOGLE GEMS?



**Custom AI assistants inside
Google Gemini**



Designed for educators



Automate teaching tasks



**Work exactly how
YOU instruct them**





CHALLENGES EDUCATORS FACE:



**Time-consuming
lesson planning**



**Creating quizzes
manually**



**Supporting every
student individually**



SOLUTION

Google Gems solves this by:



Automating tasks



Saving time



Personalizing learning





WHY USE GOOGLE GEMS?



**Reduces repetitive
teaching tasks**



**Saves valuable
time for educators**



**Enhances
lesson quality**



**Supports digital
teaching transformation**



Efficiency



Time-Saving



Better Learning



Digital Growth





TYPES OF GEMS YOU CAN CREATE



Lesson Planner



Quiz Generator



AI Tutor



Feedback Assistant



Notes Creator



HOW GEMS WORK

You give instructions

Create a lesson plan on Photosynthesis.

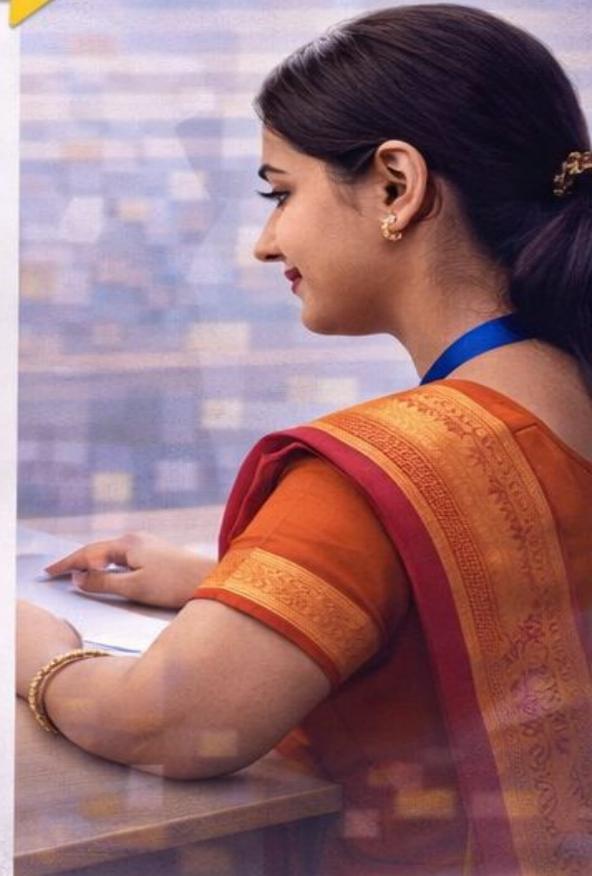
AI understands your need



Generates content instantly



You refine and use



USE CASE 1 – LESSON PLANNING

- ✓ Generate full lesson plans instantly
- ✓ Includes objectives, activities, homework
- ✓ Saves hours of preparation

Lesson Plan: Photosynthesis

Objectives

- Explain the process of photosynthesis and its importance to life.
- Describe the roles of chlorophyll, sunlight, carbon dioxide, and water in photosynthesis.

Introduction

- Photosynthesis is the process by which plants and other organisms use sunlight to synthesize foods from carbon dioxide and water.
- Describe the roles of chlorophyll, sunlight, carbon dioxide, and water in photosynthesis.

Activities

- Watch a video on photosynthesis and take notes on the key points.
- Conduct an experiment to observe photosynthesis in a leaf.
- Draw a diagram of a leaf showing the process of photosynthesis.

Homework

Lesson Plan: Photosynthesis

Objectives

- Explain the process of photosynthesis and its importance to life.
- Describe the roles of chlorophyll, sunlight, carbon dioxide, and water in photosynthesis.

Homework

Complete worksheet and prepare poster on photosynthesis.



Prompt: Create lesson plan on Photosynthesis



USE CASE 2 – QUIZZES

- ✓ Create quizzes in seconds
- ✓ MCQs + short answers
- ✓ Auto answer key

Science Quiz: Photosynthesis

Questions:

1. What is the main pigment involved in photosynthesis?
2. Which of the following is a product of photosynthesis?

Completion:

1. What does photosynthesis in plants produce?
2. Where does photosynthesis occur in plants?

Question:

1. Where does photosynthesis occur in plants?
2. Where does photosynthesis occur in the earth?

Completion:

1. What is the formula for photosynthesis?
2. Complete the equation.

ANSWER KEY

- 1 (a) Chlorophyll
- 2 (d) Glucose
- 3 (b) The leaves
- 4 (b) $6\text{CO}_2 + 6\text{H}_2\text{O}$
 $\text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2$

E	B	S	C	U	0%
Os	C	1	2	3	4

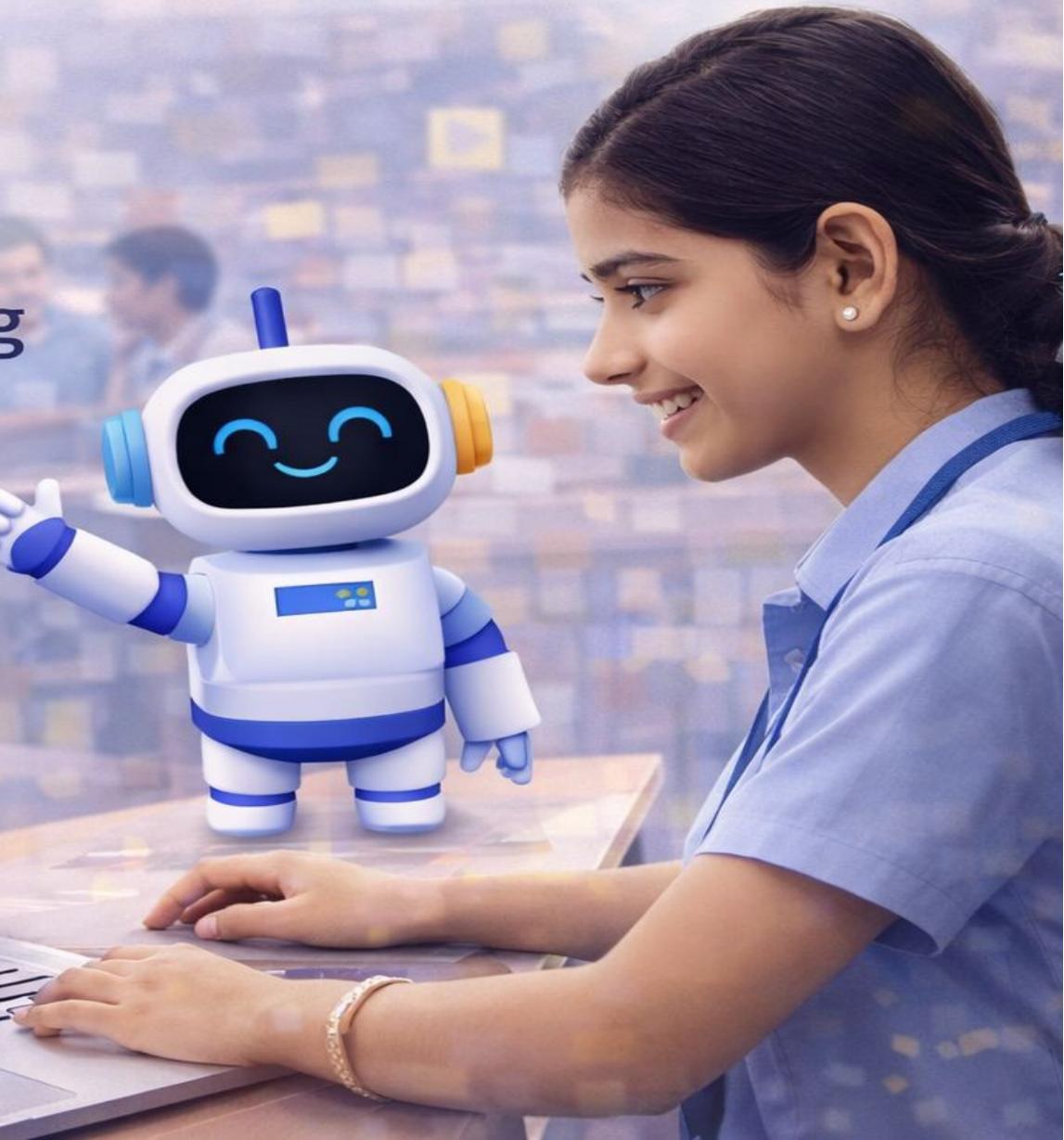
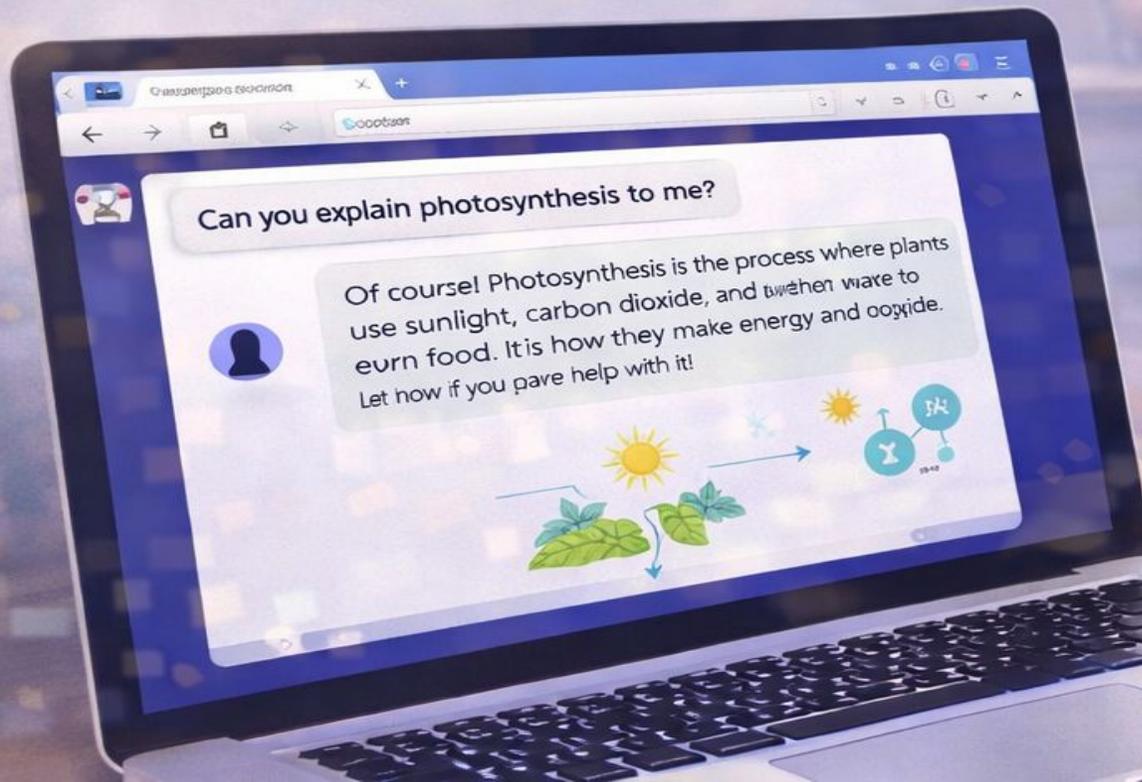


Prompt: Create a quiz on Photosynthesis



USE CASE 3 - AI TUTOR

- ✓ Explains concepts simply
- ✓ Adapts to student level
- ✓ Supports personalized learning



REAL CLASSROOM IMPACT

✓ Faster lesson preparation



✓ Better student understanding



✓ Improved engagement



✓ Reduced teacher workload



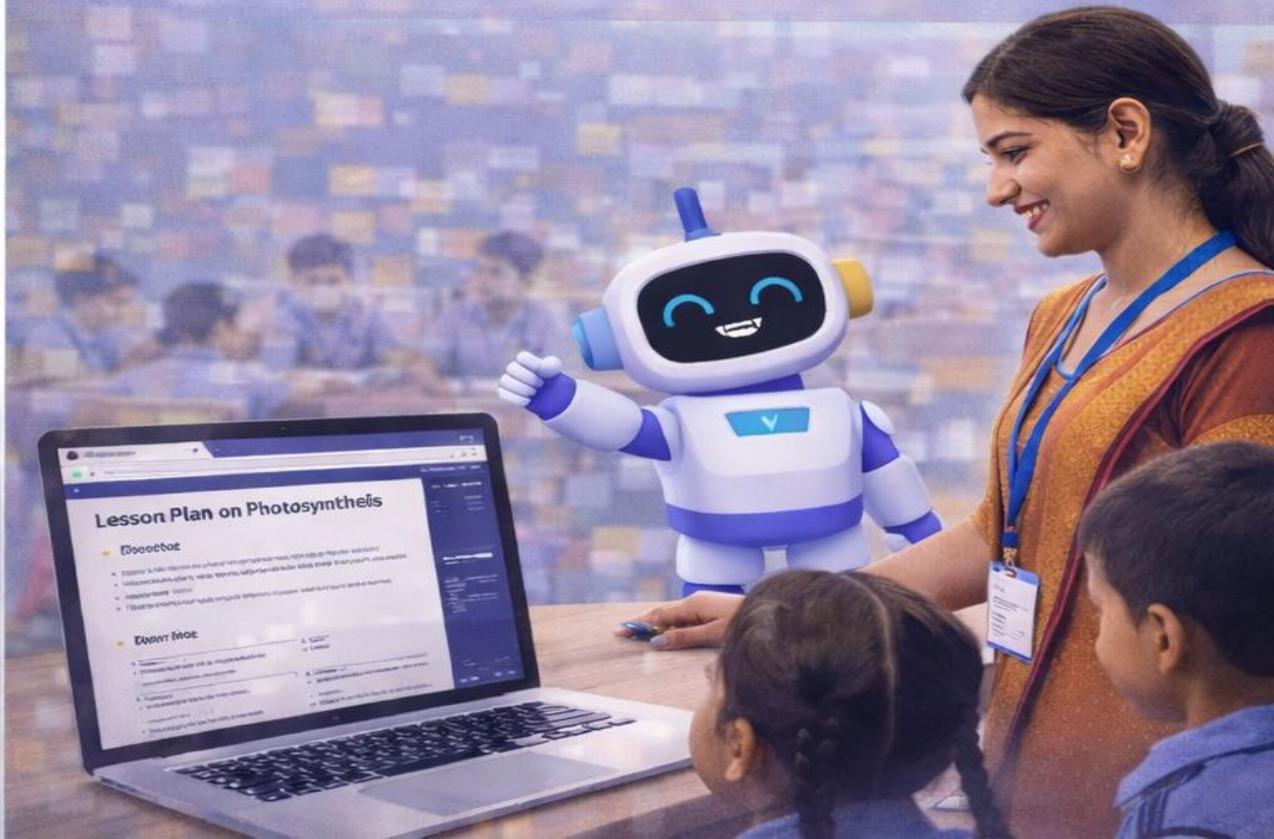
BEFORE

- ✓ Hours spent planning lessons
- ✓ Manual quiz creation
- ✓ Limited time for students



AFTER USING GEMS

- ✓ Instant lesson generation
- ✓ Automated assessments
- ✓ More time for student interaction



SAFE & RESPONSIBLE USE



Verify AI-generated content



Protect student data



Use age-appropriate outputs



Maintain academic integrity





LIMITATIONS

(IMPORTANT FOR EDUCATORS)



Requires internet access



Needs proper prompts



Not 100% accurate always



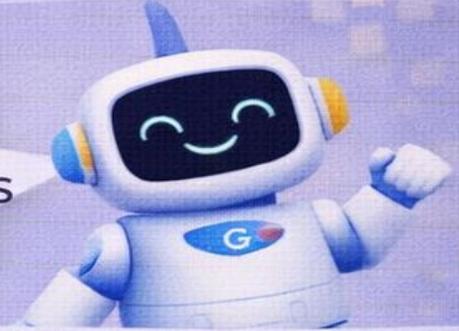
Should be reviewed by teacher



TIPS FOR BEST RESULTS

✓ Give clear instructions

Create a detailed lesson plan on the steps of the water cycle.



✓ Mention class & subject

For 6th grade science class

6th Grade Science

Lesson Plan • Water Cycle

Objectives

State Objectives Data Objectives



✓ Ask for structured output

Include an introduction, key points, and activities

Introduction

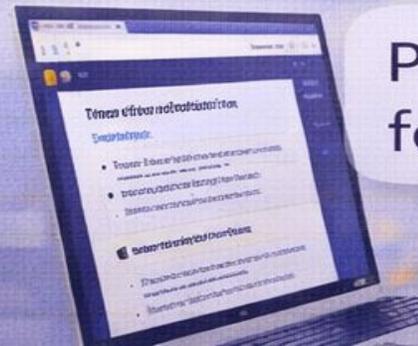
- ✓ Please include an introduction to experiments.
- ✓ Wear safety goggles. Handle hot water carefully.
- ✓ Ensure proper ventilation.

✓ Refine responses

Please include safety tips for experiments

Safety Tips for Experiments

- Wear safety goggles
- Ensure proper ventilation.





LIVE DEMO: GOOGLE GEMS IN ACTION

- ✓ Watch how quickly a Gem generates content
- ✓ Example: Lesson Plan / Quiz / Explanation
- ✓ Just one prompt → Complete output
- ✓ Saves time instantly



Create a lesson plan on Photosynthesis for Class 8”

- ✓ Watch how quickly a Gem generates content
- ✓ Just one prompt → Complete output



THANK YOU!

- ❤ Thank you for your time
- ? Questions & Discussion
- 💡 Let's transform teaching with **AI**

"AI will not replace teachers, but teachers using AI will lead the future."

