

# Tech Tips for Teachers

By: Asmaa El Ladan

# About Me



- **BS in Biochemistry - LU**
- **TD teaching Sciences - LAU**
- **MA in Ed. Administration - LU**
- **Chemistry teacher - Al Bayader School**
- **Tech content creator**
- **Mother of four kids**

# Agenda



## KEY TOPICS DISCUSSED IN THIS PRESENTATION

- Tech tip needed by teachers
- Ai tools for teachers
- OERs for teachers
- Courses and trainings online for teachers

**How could technology boost  
teacher's productivity ?**

# How could technology boost teacher's productivity ?

1. **Automated administrative tasks**
2. **Efficient resources organisation**
3. **Collaboration and communication**
4. **Streamlined professional development**



Tech tips

1

# Convert YouTube videos to Mp3 and download them

Insert “pi” right after youtube wor in the link

Example



2

# Transform pdf file to word & word to ppt



Using Word

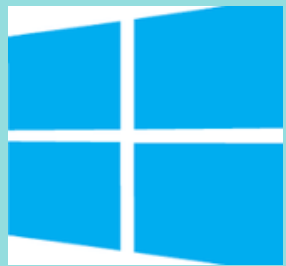
[Using Ilovepdf](#)

[Microsoft 365 online](#)



3

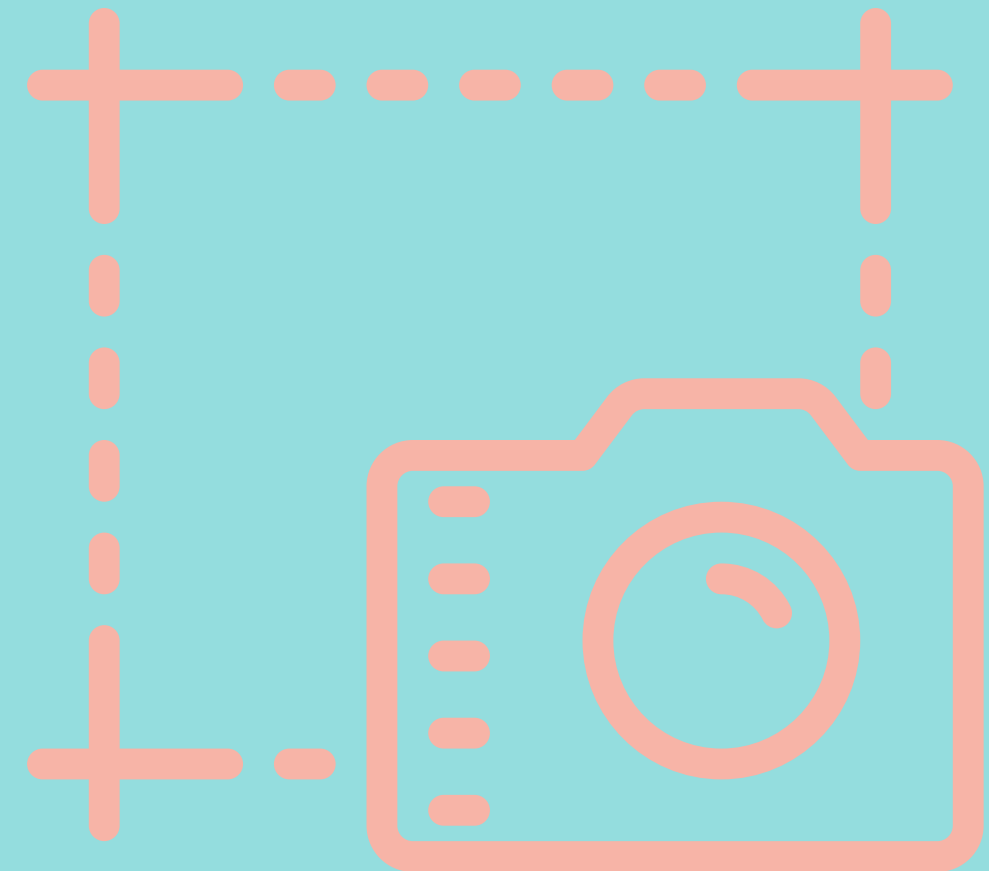
# Screen shots and Screen recording



**Win + shift + s**



**Win + Alt + R**



4

# Dictate instead of typing

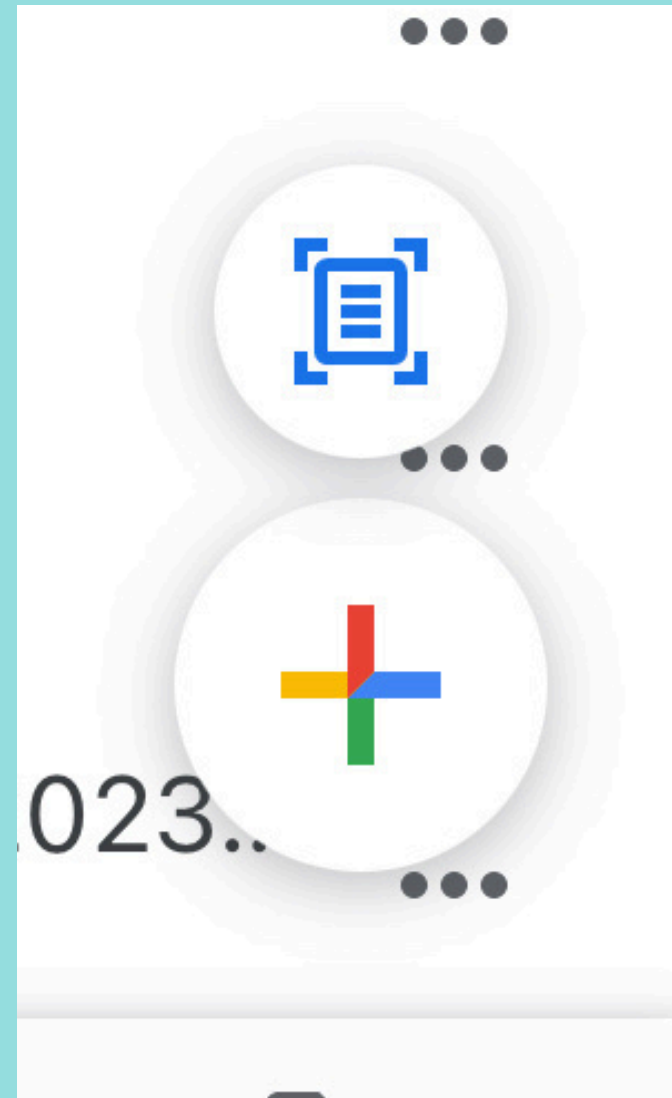
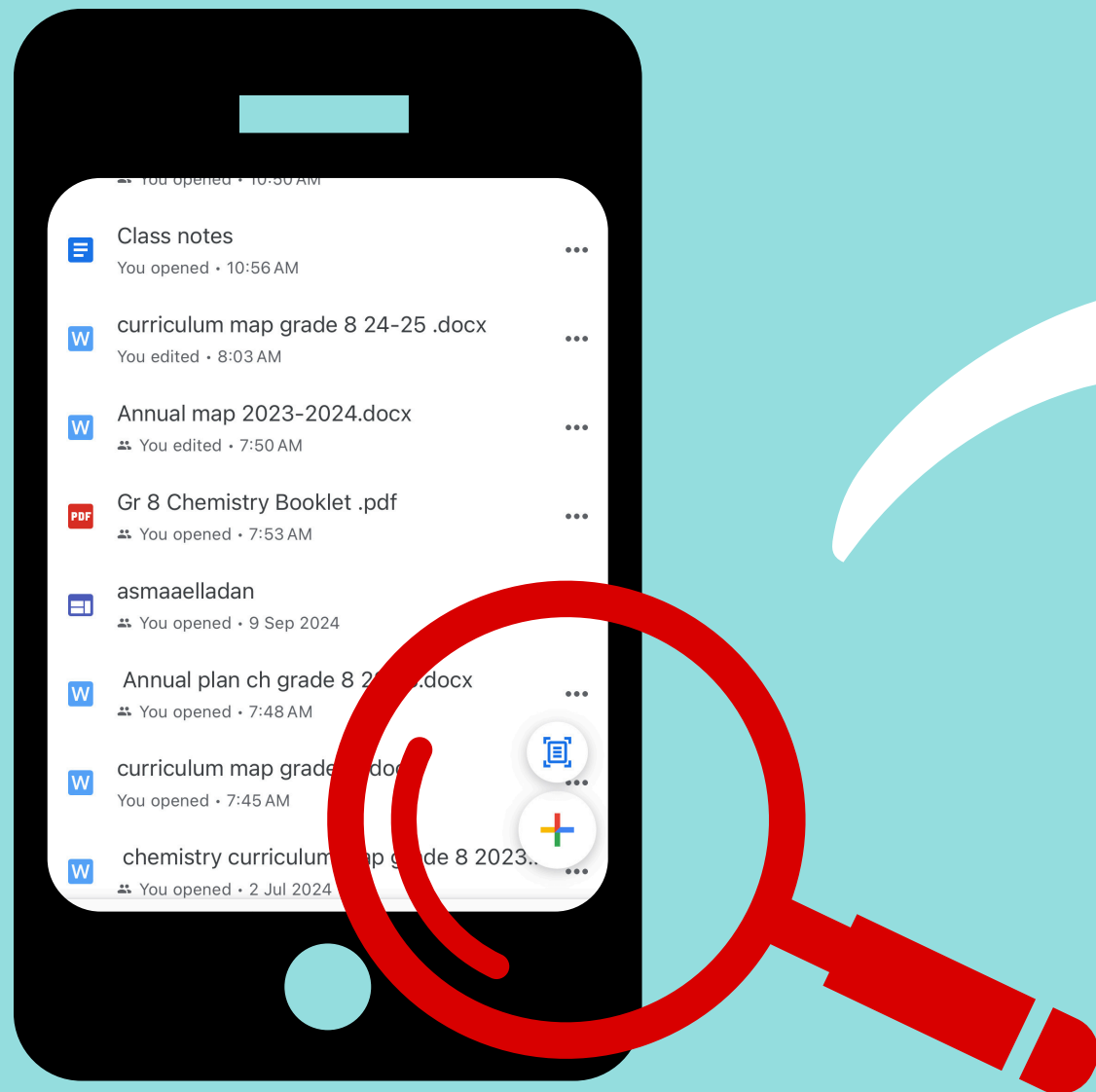
Use dictate tool on Word  
or voice typing on Google docs



5

# Scan documents directly to google drive

Open google drive app on your mobile



# 6 Create your classroom website

Google sites is a free tool

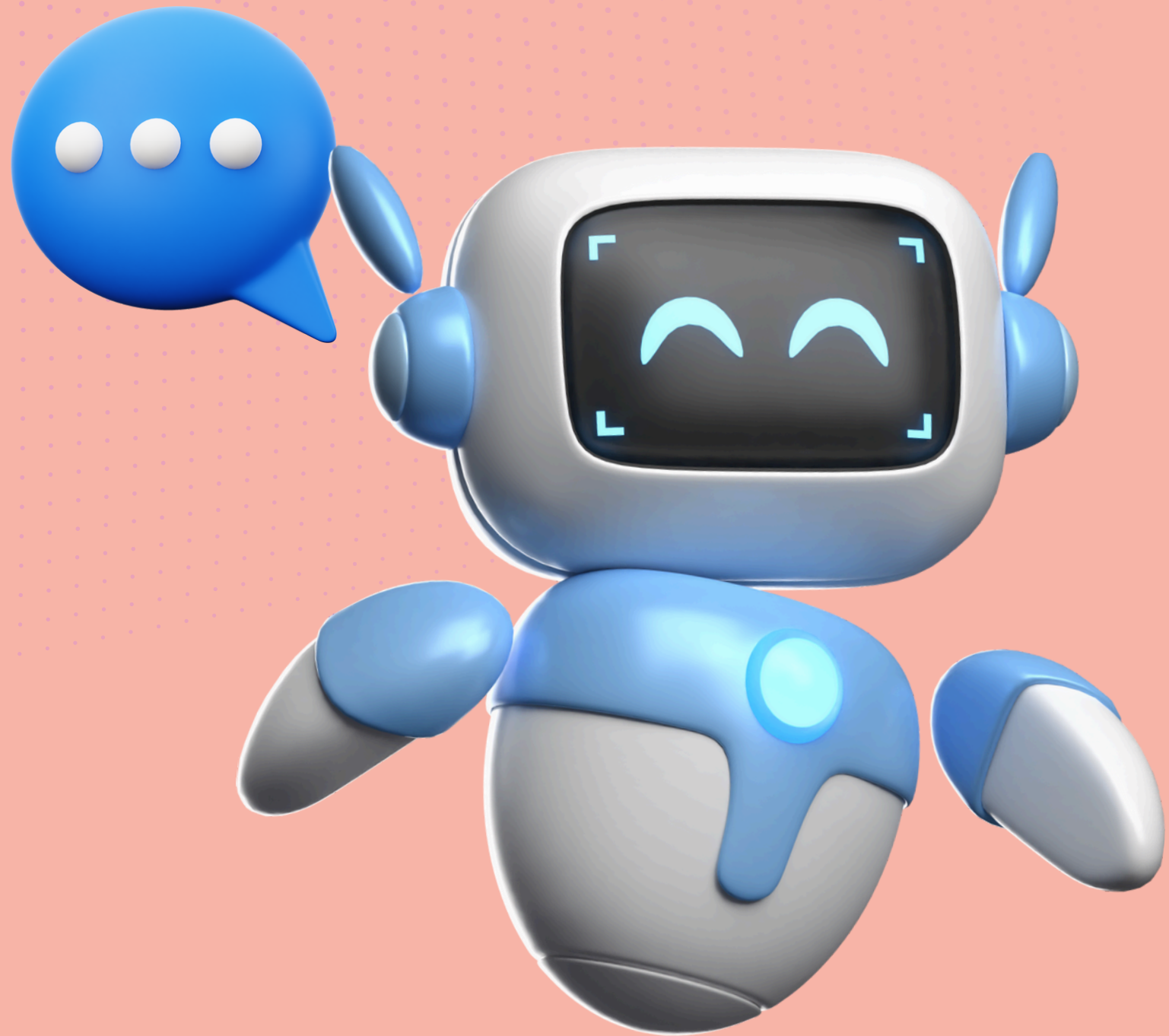


Google Sites

Ai Tools

**Which Ai tools do you use ?**

**Share it with us**



LLMS



MAGIC SCHOOL



CANVA



# LLMs : Large language model

Chatgpt , Chatgpt 40

Gemini





**LLMs : Large language model**

**How do we generate an effective prompt ?**

## LLMs – Prompt Generation

### 1. Clearly Define Your Request

Be explicit about what you want ChatGPT to do. If you need an explanation, ask for it directly. If you need step-by-step instructions, examples, or a summary, include that in the prompt.

Examples:

- **General Question:** "Explain the water cycle to a 5th-grade class."
- **Detailed Request:** "Write a 200-word summary of the water cycle for a 5th-grade science lesson, including the key stages: evaporation, condensation, and precipitation."



## LLMs – Prompt Generation

### **2. Contextualize the Request**

**What to Do: Provide context to help the model understand what you're asking for.**

**Example: "I'm teaching a high school history class about the Lebanese Civil War. Can you summarize the key events that led to the war?"**

## LLMs – Prompt Generation

**3. Define the Format What to Do: Specify the format or structure you want the answer in.**

**Example: "Provide a bullet-point list of the main events leading to the Lebanese Civil War."**

## LLMs – Prompt Generation

**4. Set a Tone or Style What to Do: If you want the response to have a particular tone or style, mention it in your prompt.**

**Example: "Explain the causes of the Lebanese Civil War in a way that's easy for middle school students to understand."**

## LLMs – Prompt Generation

### **5. Ask for Step-by-Step Explanations**

**For subjects like math, science, or even grammar, where processes matter, ask for step-by-step explanations or guides to walk students through the concepts.**

**Examples:**

- **"Provide a step-by-step explanation of how to solve a quadratic equation using the quadratic formula."**
- **"Walk a 6th-grade student through the process of writing a persuasive essay."**

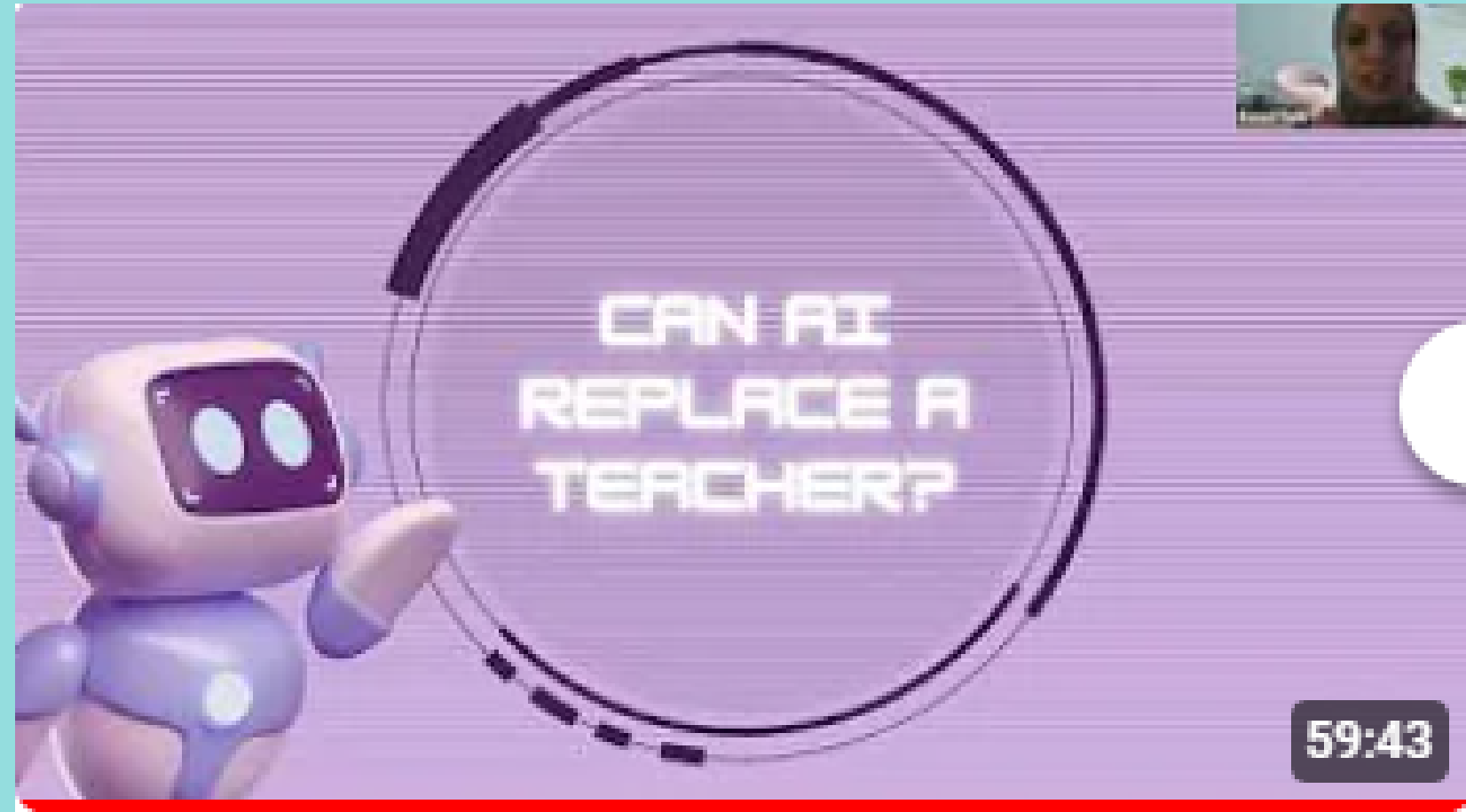
## LLMs – Prompt Generation

### 6. Use Examples

**What to Do:** If you're asking for something specific, providing an example can help the model understand your expectations.

**Example:** "Write a short dialogue between two characters discussing the causes of the Lebanese Civil War, similar to how two students might talk in a history class."

# MAGiC SCHOOL



ندوة تطبيقات الذكاء الاصطناعي للمعلمين مع الأستاذة رناد التركي





**FREE!**

Canva

for teachers



Docs



Whiteboards



Presentations



Social media



Videos



Websites

OERs

## 1. OpenStax

**What It Offers:** Free, peer-reviewed, high-quality textbooks for college and high school students. Subjects range from math, science, and social sciences to humanities and business.

**Why It's Important:** OpenStax is known for its rigorous and reliable educational content, often matching the quality of traditional textbooks.



openstax™

## 2. Khan Academy

- **What It Offers:** A vast library of video tutorials, practice exercises, and quizzes in subjects like math, science, economics, history, and more, from K-12 to early college.
- **Why It's Important:** Khan Academy is widely trusted for its high-quality instructional videos and interactive learning tools, making it a go-to resource for both students and teachers.



**Khan Academy**

### 3. PhET Interactive Simulations

- **What It Offers:** Interactive simulations for teaching and learning science and mathematics concepts. PhET provides engaging visual tools that allow students to explore real-world phenomena.
- **Why It's Important:** PhET simulations are a powerful way to make abstract concepts concrete, especially in physics, chemistry, biology, and mathematics.



#### 4. Al Jazeera Learning Arabic

- **What It Offers:** Free online resources and tools for learning the Arabic language, including grammar lessons, vocabulary exercises, and reading comprehension materials.
- **Why It's Important:** Ideal for teachers teaching Arabic as a second language or helping students improve their Arabic literacy.

تعلم العربية  
Learning Arabic



## 5. Shamaa (The Arab Educational Information Network)

**What It Offers:** An open-access database of research articles, dissertations, reports, and other academic publications related to education in the Arab world.

**Why It's Important:** Shamaa provides Arabic-speaking educators with access to peer-reviewed research and educational content to inform their teaching practices and professional development.



**6. Madrasa is a leading e-learning platform that provides exceptional Arabic language educational content for all subjects like science and mathematics and that is available for free for more than 50 million Arab students wherever they are.**

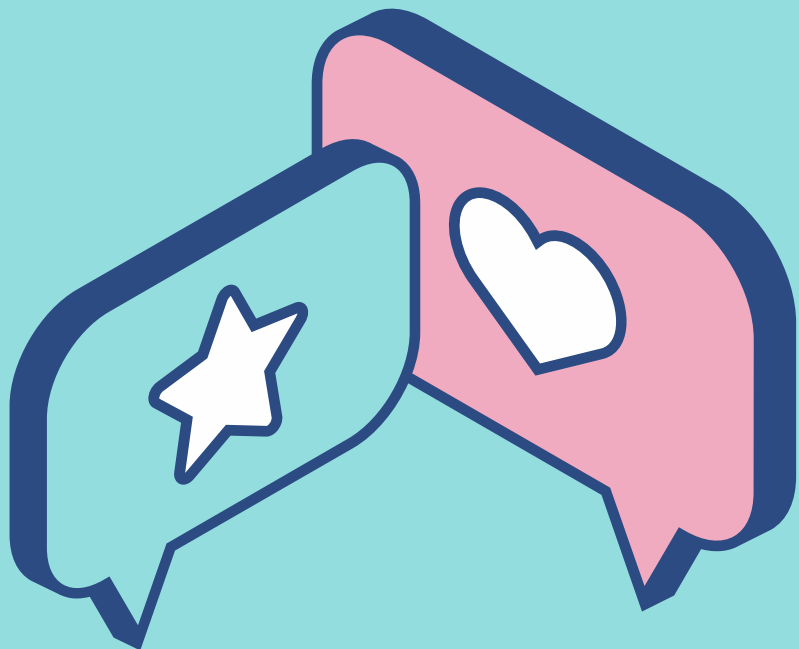
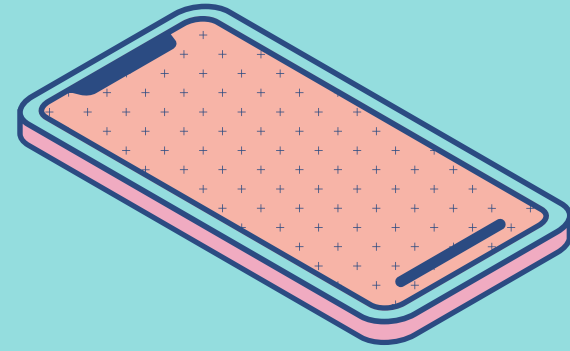





Courses and Trainings

# Courses and Trainings

# courseera




 Macquarie University

**Artificial Intelligence (AI) Education for Teachers**

**Skills you'll gain:** Computational Thinking, Critical Thinking, Machine Learning




 Berklee

**Music Education for Teachers**

**Skills you'll gain:** Writing



 Vanderbilt University

**Generative AI for Educators & Teachers**

**Skills you'll gain:** Communication, Leadership and Management, Planning, Problem Solving



# Edraak

إدراك  
EDRAAK



## Microsoft free training



### Empower educators to explore the potential of artificial intelligence

Navigate AI in education by looking at essential AI concepts, techniques, and tools.



### Enhance teaching and learning with Microsoft Copilot

Explore using Microsoft Copilot in education by learning basic concepts, modes, and features.



### Support reading fluency practice with Reading Progress

Build fluency through independent practice and save time with Insights.



### Explore generative AI with Copilot in Bing

Interact with Microsoft Copilot in Bing to learn about the capabilities of generative AI.



### Equip and support learners with AI tools from Microsoft

Help learners discover, interact, and create with AI and generative AI including responsible use of AI and...



### AI in education

Explore the potential of artificial intelligence in education.

# Google for education

## Google for Education Teacher Training

Collection of videos and training resources focused for Teachers



# Google for education

## Google Workspace Training

Learn how to use Google Workspace tools like Docs, Sheets, and Drive to help you improve productivity and collaboration in school, work and life.



## Magic School

### Certification Courses

#### Level One Certification Course

The Level One MagicSchool Certification Course introduces you to MagicSchool and helps you navigate the platform, utilize the tools, and learn best practices for using MagicSchool AI.



#### Level Two Certification Course

The Level Two MagicSchool Certification Course helps you learn basic prompt writing, how to modify your outputs, save custom prompts, and export outputs. Maximize your MagicSchool use now!

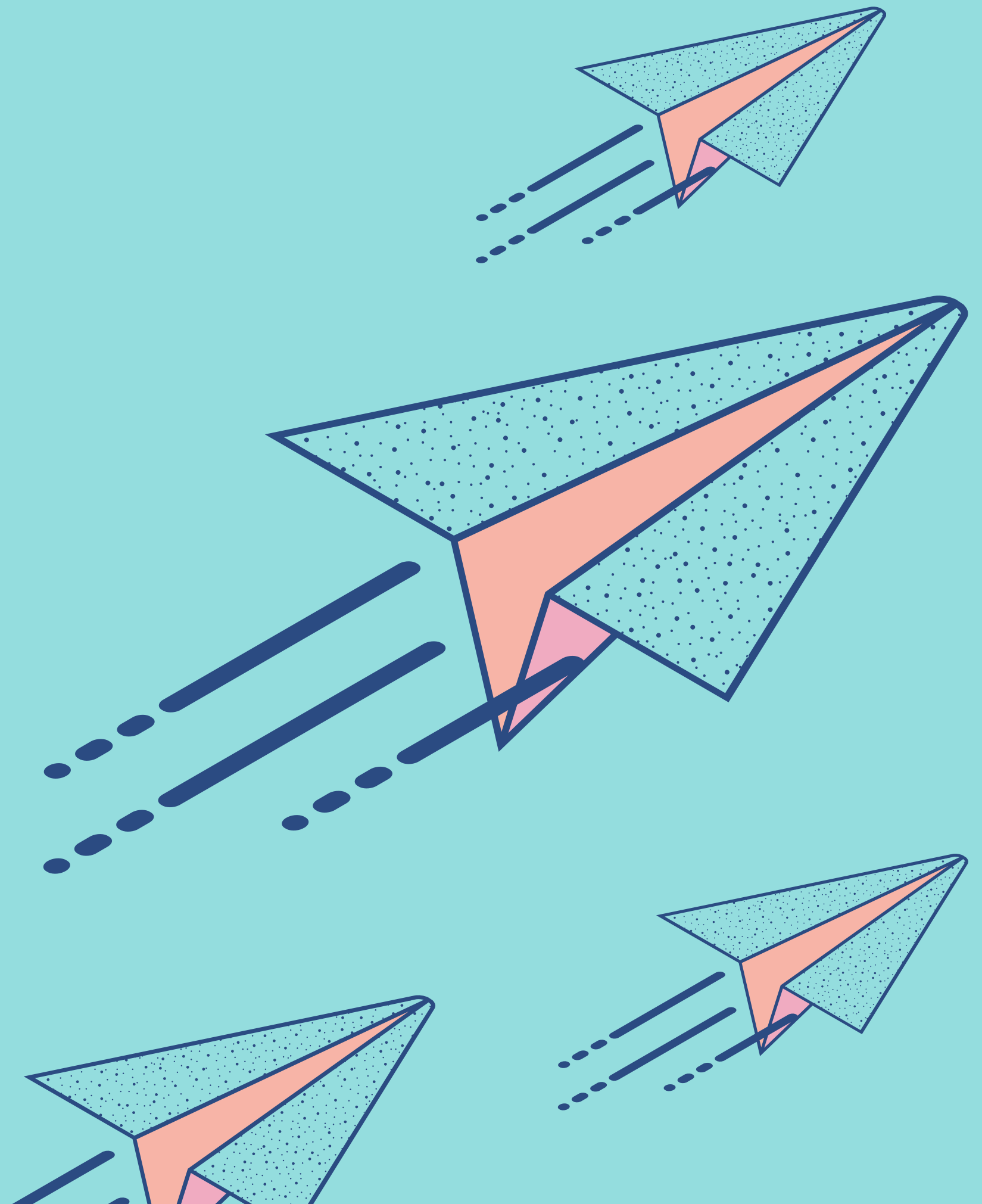


#### Level Three Certification Course

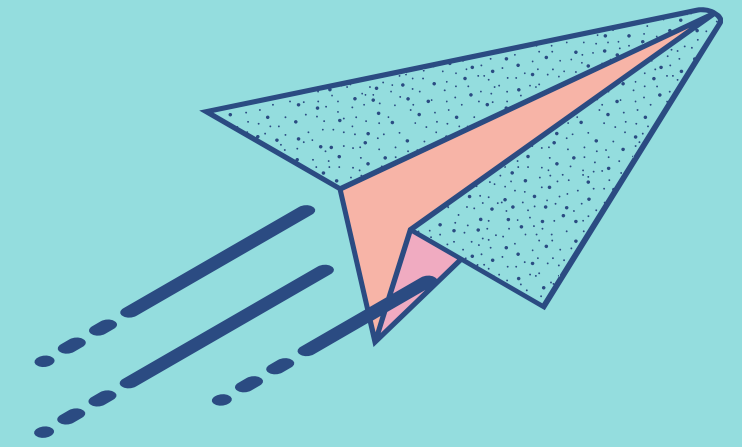
The Level Three MagicSchool Certification Course guides you through AI systems, how MagicSchool uses AI to produce the best outputs, and how to promote safe AI usage in schools.



**Do you have  
any questions?**







Thank you

