

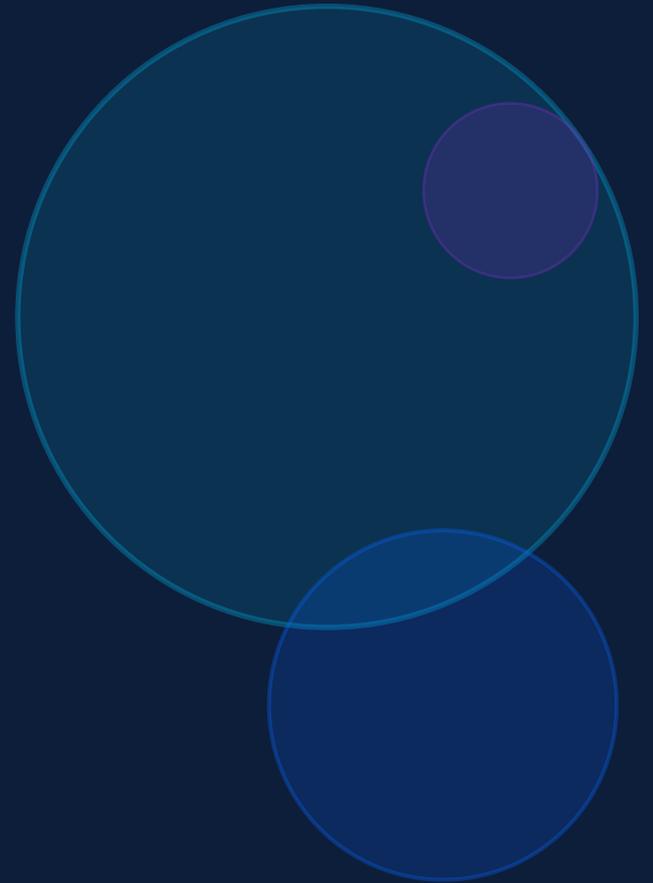
META AI · EDUCATION EDITION

# Meta AI in Education

Transforming Teaching & Learning  
for the AI Generation

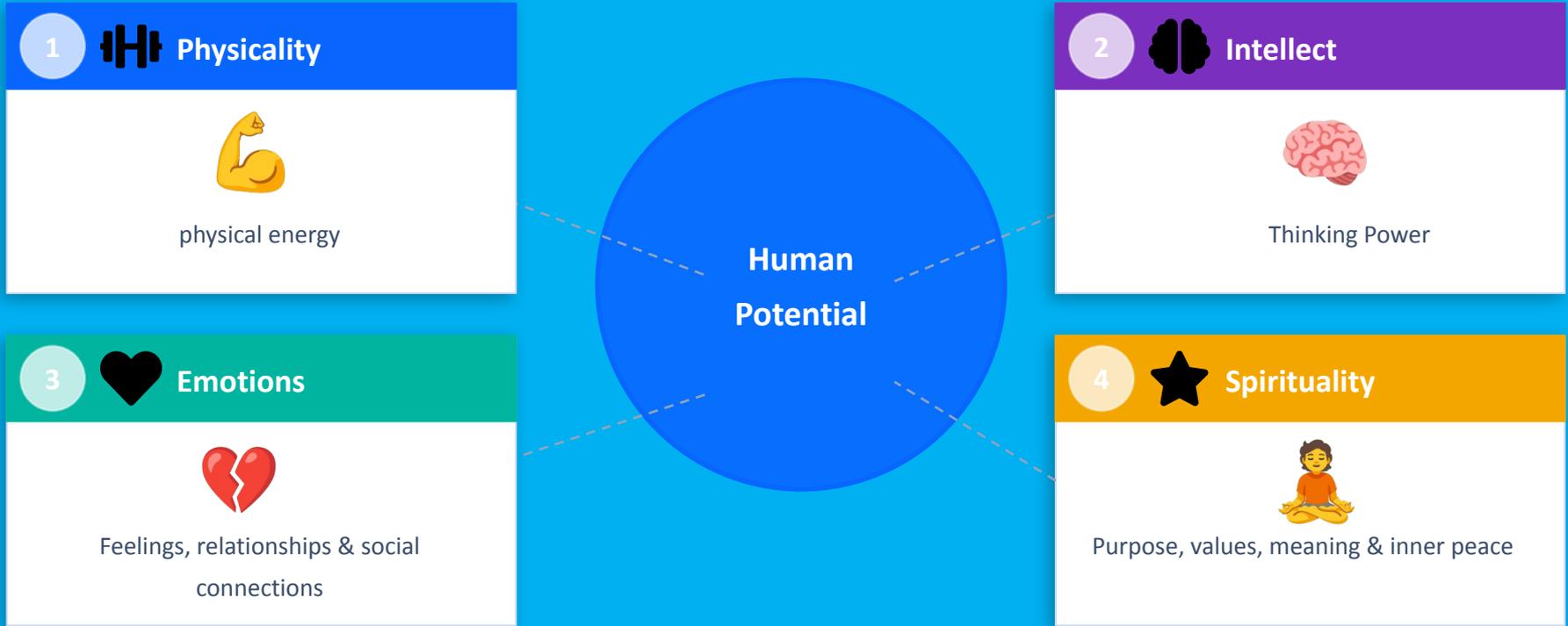


By Mr. Javeed Hassan Sofi  
(National Resource Person, Bandipora J&K)



# Four Human Dimensions

From "The 7 Habits of Highly Effective People" by Stephen R. Covey



AI aims to embed these four dimensions — intellect, emotion, physicality & purpose — into machines

# Embedding Human Attributes in Machines

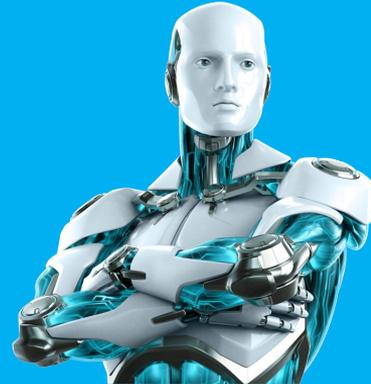
1  Physicality

Physical energy 



2  Intellect

Intellect 



# What is Meta AI?

- Meta AI is an artificial intelligence assistant developed by Meta (the parent company of Facebook, Instagram, WhatsApp).
- It works like an intelligent chatbot.
- It can understand natural language, answer questions, generate content, and support creative tasks.



# Key Features of Meta AI

## Smart Q&A

Instant answers with step-by-step explanations

## Image Generation

Type 'Imagine...' to create visuals for any topic

## Language Translation

50+ languages — perfect for ESL & global learners

## Code Assistance

Explain, debug, and write code in any language

## Summarisation

Condense long texts, articles, and notes instantly

## Concept Simplifier

Break complex ideas into easy, relatable steps



# Benefits for Students

**24/7**

Learning Support  
Anytime, Anywhere

**50+**

Languages  
for ESL Learners

**Free**

Always Free  
No Subscription Needed

 Supports self-paced, independent learning

 Promotes critical thinking & curiosity

 Provides instant help on any topic

 Enhances engagement and motivation and Improves access to educational resources



# Benefits for Teachers

**24/7**

Learning Support  
Anytime, Anywhere

**50+**

Languages  
for ESL Learners

**Free**

Always Free  
No Subscription Needed



Saves significant lesson planning time



Offers data-driven insights on student progress



Helps identify learning gaps early



Supports differentiated instruction easily and Generate visual infographic prompts

# Meta AI for STEM Education

## Science

- Simulate virtual lab experiments
- Explain DNA, cells & chemical reactions
- Connect theory to real-world phenomena
- Generate labelled scientific diagrams

## Math

- Walk through problems step-by-step
- Visualise geometry & algebra concepts
- Explain formula derivations clearly
- Generate practice problem sets

## Technology

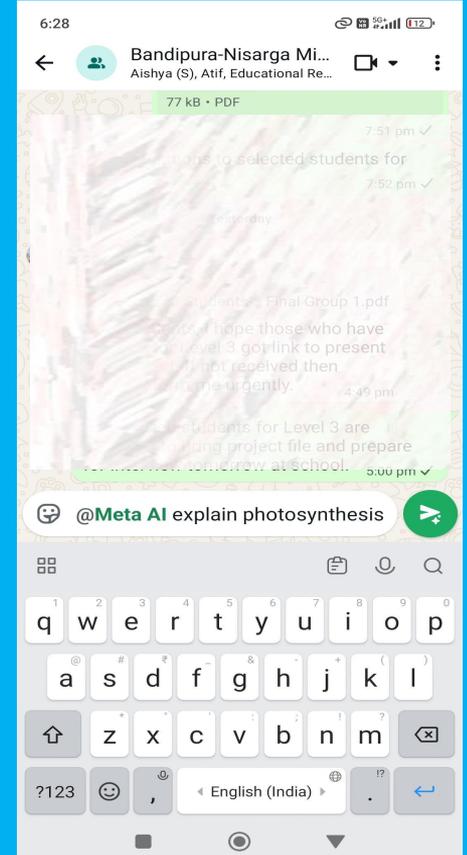
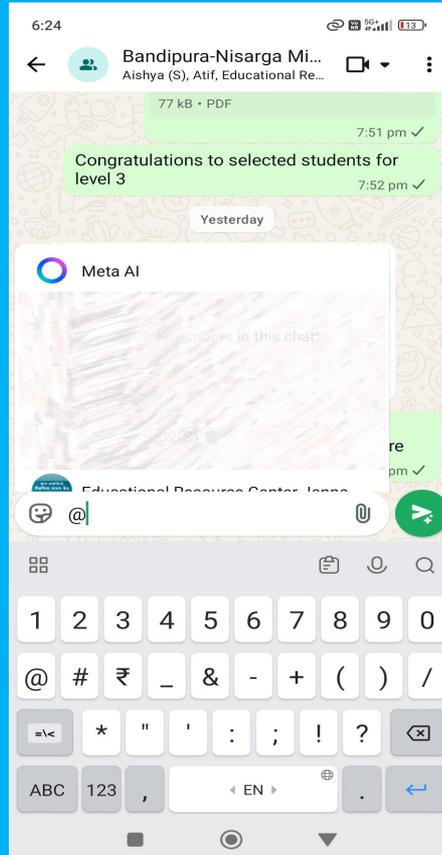
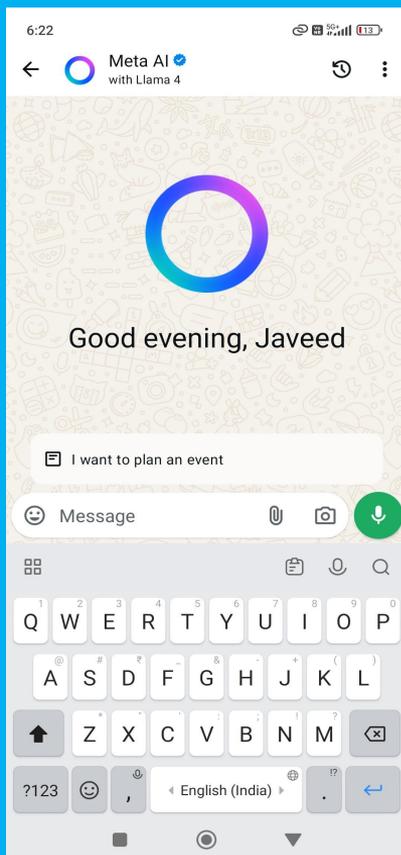
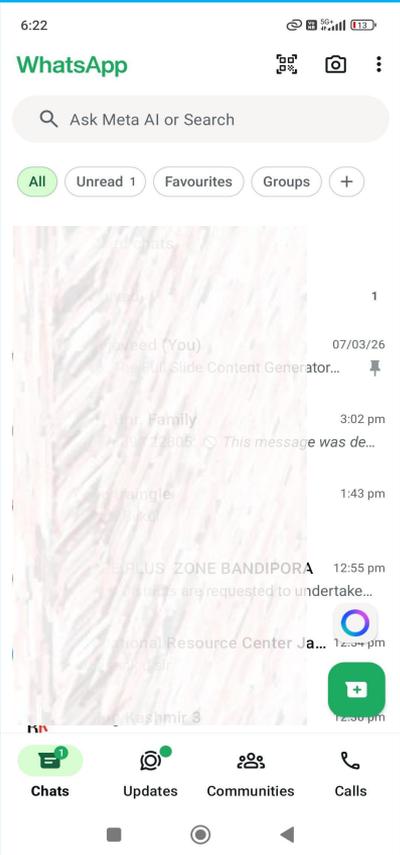
- Debug code with plain-English explanations
- Explore algorithms, loops & logic
- Generate flowcharts & pseudo-code
- Learn cybersecurity fundamentals

## Engineering

- Understand engineering principles
- Analyse real-world design case studies
- Research materials & properties
- Plan and evaluate project designs



# Meta AI in WhatsApp & other Messengers



# Teaching Languages with Meta AI

## How Meta AI Supports Language Learning



### Conversational Practice

Chat in the target language — AI responds naturally & corrects gently



### Grammar & Spell Check

Paste writing for instant grammar corrections with explanations



### Live Translation

Translate 50+ languages — useful for ESL/EFL students



### Vocabulary Builder

Generate word lists, example sentences & memory tricks



### Pronunciation Guide

Ask how words are pronounced with phonetic breakdowns

# 50+

Languages Supported

Arabic · Urdu · French · Spanish  
Chinese · Hindi · German · more

## SAMPLE PROMPT

*"Teach me 10 common French phrases I would use at school, with pronunciation tips and example sentences."*



# Teaching Mathematics with Meta AI



## Step-by-Step Solving

Breaks any problem into clear, numbered steps — from basic arithmetic to calculus



## Graph & Data Visuals

Describe a function and get a textual graph guide or data interpretation help



## Formula Explanations

Ask why a formula works — not just how to use it



## Practice Problem Sets

Generate unlimited practice questions at any difficulty level



## Error Analysis

Paste a wrong answer and Meta AI identifies exactly where the mistake is



## Exam Preparation

Create mock tests, timed quizzes and revision summaries on any math topic



# Teaching Science with Meta AI



## Biology

- Explain DNA, genetics & cell structure
- Walk through photosynthesis step-by-step
- Describe ecosystems & food webs
- Prepare for dissection with AI guides
- Summarize research papers in plain language



## Chemistry

- Balance chemical equations interactively
- Explain periodic table elements & trends
- Describe reactions, acids & bases clearly
- Generate lab report templates
- Simulate titrations & reactions textually



## Physics

- Solve force, motion & energy problems
- Explain electricity & magnetism concepts
- Walk through optics & waves step-by-step
- Relate theory to real-world applications
- Generate experiment design outlines

# Meta AI for Arts, English & Humanities



## English & Writing

- Generate essay outlines & story starters
- Grammar, style & tone feedback on drafts
- Analyse literary themes, metaphors & devices
- Compare writing styles of different authors



## Visual Arts

- Generate reference images with 'Imagine...'
- Research art movements & key artists
- Describe techniques in plain language
- Plan composition, colour & layout concepts



## Music

- Explain music theory: scales, chords, tempo
- Research composers, genres & musical eras
- Analyse song structure and lyric themes
- Suggest creative composition ideas



## Drama & Media

- Write scripts, dialogues & monologues
- Analyse film techniques & cinematography
- Research theatrical history & traditions
- Create storyboards for media projects



# Meta Quest · AR / VR in Education



## What is Meta Quest?

Meta Quest is a standalone VR/AR headset that places learners inside immersive 3D environments. Combined with Meta AI, it creates a next-generation classroom with no walls.



### Virtual Labs

Conduct chemistry & biology experiments safely



### History Field Trips

Walk through ancient Rome or the moon landing



### Geography Explorer

Visit any country, ecosystem or ocean depth



### Human Anatomy

Explore the body in interactive 3D models



### AI + VR Tutor

Meta AI guides you through VR lessons live



### Collaborative VR

Students learn together from different locations



# Meta AI Canvas · meta.ai



## meta.ai — The Full-Featured AI Canvas Web Application



### Chat & Research

- Full-screen chat with memory
- Ask complex multi-part questions
- Upload images for analysis
- Web-connected answers & citations



### Canvas Editor

- Write & edit long documents
- Collaborative canvas workspace
- Real-time AI writing assistant
- Format essays, reports & notes



### Image Studio

- Generate images with 'Imagine...'
- Edit & refine AI-generated art
- Create diagrams, posters & slides
- Multiple styles & resolutions

# Getting Started — 5 Easy Steps

1



## Visit meta.ai

Open a browser and go to meta.ai — no app download needed to start.

2



## Create a Meta Account

Sign up free or log in with Facebook or Instagram credentials.

3



## Start Your First Chat

Type a question or say "Help me understand photosynthesis" to begin.

4



## Try Image Generation

Type "Imagine a diagram of the water cycle" to create a visual aid.

5



## Use on WhatsApp

Open WhatsApp, tap the Meta AI button in chat — use it on your phone.

# Search Meta.ai

The image shows a web browser window with three tabs: "GPT-4 | OpenAI", "Meta AI in Education", and "New Tab". The address bar contains "Ask Google or type a URL". The browser's bookmark bar includes links for Gmail, YouTube, Maps, Log In, GPT-4 | OpenAI, Bing, Temp Mail - Dispos..., Welcome | xAI, JKBOSE Jammu and..., Meta AI, and WhatsApp. The main content area displays the Google logo on a starry background. A search bar is active with the text "Meta ai" and an "AI Mode" toggle. A dropdown menu shows search suggestions: "Meta ai - Google Search", "Meta AI Artificial intelligence company", "Meta Ai Workspace", "meta ai canvas", and "meta AI logo png". The Windows taskbar at the bottom shows the system tray with a temperature of 14°C, the date 10-03-2026, and the time 18:01.

Search results for "Meta ai":

- Meta ai - Google Search
- Meta AI Artificial intelligence company
- Meta Ai Workspace
- meta ai canvas
- meta AI logo png

# Meta AI URL

The screenshot shows a web browser window with three tabs: 'GPT-4 | OpenAI', 'Meta AI in Education', and 'Meta ai - Google Search'. The address bar shows the search URL: [google.com/search?q=Meta+ai&oq=Meta+ai&gs\\_lcrp=EgZjaHJvbWUyDggAEEUYJxg5GIAEGloFMhUIARauGBQYxwEYhwIYsQMY0QMgAQyBggCEE...](https://www.google.com/search?q=Meta+ai&oq=Meta+ai&gs_lcrp=EgZjaHJvbWUyDggAEEUYJxg5GIAEGloFMhUIARauGBQYxwEYhwIYsQMY0QMgAQyBggCEE...)

The search results for 'Meta ai' are displayed below the search bar. The top result is from <https://www.meta.ai> and includes the following content:

- Meta AI**  
<https://www.meta.ai>
- Meta AI**  
Use Meta AI assistant to get things done, create AI-generated images for free, and get answers to any of your questions.
- AI Image & Video Generator**  
Animate & restyle from text, images and videos. Make video stories ...
- Image Generator**  
Generate, edit, style, and animate images and photos from text ...
- Where should we start?**  
Create a card to say thank you. Help me write a bedtime story ...
- Vibes**  
Soft focus painterly style, extreme close-up of intertwined ginger ...
- What are you thinking this ...**  
Create an image of a floating ocean dream house. Create a ...

On the right side of the search results, there is a sidebar titled 'Ask AI Search Agent' with the following content:

- 4o mini GPT-4o Claude 3.5 Gemini
- Unable to access GPT-4o mini**  
Upgrade to **Pro Plan** to get unlimited access to all models and unlock advanced features.
- Pro Plan**
  - ✓ Unlimited access to all models
  - ✓ Faster response
  - ✓ Real-time web access
  - ✓ Read any webpage and PDF
- Upgrade Now**
- Already subscribed? [Login Now](#)

At the bottom of the sidebar, there is a notification for 'Monica Code is now live!' with the text: 'Seamlessly integrate with VS Code, where Claude 3.5 & GPT-4o power your coding.'

The Windows taskbar at the bottom shows the system tray with the date '10-03-2026' and time '18:02'. The weather is '14°C Cloudy'.

# Landing Page of Meta AI

The screenshot shows a web browser with three tabs: "GPT-4 | OpenAI", "Meta AI in Education", and "Meta AI". The address bar shows "meta.ai". The browser's taskbar at the bottom includes icons for Windows, Search, and various applications like Edge, File Explorer, and Teams. The system tray shows a temperature of 14°C, the time 18:04, and the date 10-03-2026.

The Meta AI interface features a sidebar on the left with navigation options: "New chat" (Ctrl+Shift+O), "Search" (Ctrl+K), "Vibes", and "Create". Below these is a "History" section listing previous prompts such as "Ant on a flower animation" and "Bee on Flower". The user's profile is identified as "seal\_6592".

The main content area is titled "What are you thinking this evening?". It contains a large text input field with the placeholder "Describe your image...". A dropdown menu is open, showing options for "Image" (selected) and "Video", with aspect ratio choices of "1:1", "9:16", and "16:9". Below the input field are buttons for "For you", "Chat", "Create image", and "Create video".

Below the input field, there are four suggested prompts, each with a right-pointing arrow:

- 🔮 Create a card with a red heart
- 🖼️ Restyle my photo as a DJ
- 🔮 Create an image of a hiker on an avocado
- 🖼️ Restyle my photo as 3D

At the bottom of the page, there is a notification banner that says "Connect your apps to Meta AI" with a "Connect" button. The banner text reads: "Connecting apps such as calendar and email allows you to get more done directly with Meta AI."

# Write a Prompt

The screenshot displays the Meta AI web interface. At the top, the browser tabs show 'GPT-4 | OpenAI', 'Meta AI in Education', and 'Meta AI'. The address bar contains the URL 'meta.ai/prompt/4a7a07bd-816a-412d-9b8f-25a3988bfa1a'. The main content area features a chat history on the left and a central display for the prompt 'bee on Flower'. The chat history includes items like 'New chat', 'Search', 'Vibes', 'Create', and a list of previous prompts such as 'Ant on a flower animation', 'Bee on Flower', and 'Transforming Scene'. The central display shows four generated images of bees on flowers. Below the images are icons for sharing, liking, and commenting. At the bottom, a text input field contains the prompt 'Bee on Flower', with options for '+', 'Create', 'Image', and '16:9'. The system tray at the very bottom shows the date '10-03-2026', time '18:06', and weather '14°C Cloudy'.

GPT-4 | OpenAI   Meta AI in Education   Meta AI

meta.ai/prompt/4a7a07bd-816a-412d-9b8f-25a3988bfa1a

Gmail   YouTube   Maps   Log In   GPT-4 | OpenAI   Bing   Temp Mail - Dispos...   Welcome | xAI   JKBOSE Jammu and...   Meta AI   WhatsApp   All Bookmarks

bee on Flower

New chat   Ctrl+Shift+O

Search   Ctrl+K

Vibes

Create

History

bee on Flower

Ant on a flower animation

Bee on Flower

Transforming Scene

Transforming Scene

Creating an educational video...

The fox winks at the camera; t...

Animating school signs and st...

Animating children's daily sch...

seal\_6592

bee on Flower

Bee on Flower

+   Create   Image   16:9

14°C Cloudy   Search   18:06 10-03-2026

# Image Generation

GPT-4 | OpenAI x Meta AI in Education x Meta AI

meta.ai/prompt/4a7a07bd-816a-412d-9b8f-25a3988bfa1a

Gmail YouTube Maps Log In GPT-4 | OpenAI Bing Temp Mail - Dispos... Welcome | xAI JKBOSE Jammu and... Meta AI WhatsApp All Bookmarks

bee on Flower

New chat Ctrl+Shift+O  
Search Ctrl+K  
Vibes  
Create

History

bee on Flower  
Ant on a flower animation  
Bee on Flower  
Transforming Scene  
Transforming Scene  
Creating an educational video...  
The fox winks at the camera; t...  
Animating school signs and st...  
Animating children's daily sch...

seal\_6592

bee on Flower



Animate

Bee on Flower

+ Create x Image v 16:9 v

14°C Cloudy Search 18:07 10-03-2026

# Animated Image

GPT-4 | OpenAI x Meta AI in Education x Meta AI x +

meta.ai/prompt/4a7a07bd-816a-412d-9b8f-25a3988bfa1a

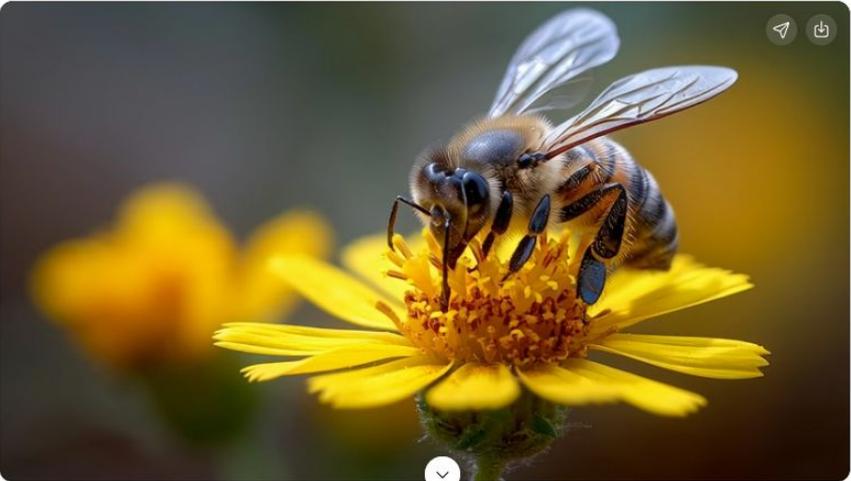
Gmail YouTube Maps Log In GPT-4 | OpenAI Bing Temp Mail - Dispos... Welcome | xAI JKBOSE Jammu and... Meta AI WhatsApp All Bookmarks

**Bee on Flower**

- New chat Ctrl+Shift+O
- Search Ctrl+K
- Vibes
- Create

History

- Bee on Flower**
- Ant on a flower animation
- Bee on Flower
- Transforming Scene
- Transforming Scene
- Creating an educational video...
- The fox winks at the camera; t...
- Animating school signs and st...
- Animating children's daily sch...



**Bee on Flower**

+ Create x Image v 16:9 v

seal\_6592

<https://www.meta.ai/create/1027860167075835>

14°C Cloudy Search 18:09 10-03-2026

# Extend Video

The screenshot displays the Meta AI interface for video creation. The browser tabs at the top include "GPT-4 | OpenAI", "Meta AI in Education", and "Meta AI". The address bar shows the URL "meta.ai/create/1027860167075835". The main content area features a large image of a bee on a yellow flower. To the left of the main image is a vertical gallery of smaller image thumbnails. On the right side, a dark-themed control panel titled "Video" contains the following sections:

- Image prompt:** "Describe your image" with a sub-prompt "bee on Flower" and a corresponding thumbnail.
- Animation prompt:** "Describe your animation" with a sub-prompt "Animate".
- Music:** A button labeled "Add music".
- Extend animation:** A button labeled "Extend".
- Restyle:** A section with a downward arrow.

The Windows taskbar at the bottom shows the system tray with a temperature of 14°C, a cloudy weather icon, and the date and time "18:10 10-03-2026".

# Sample video (21 Second)



# Vibes Available

The screenshot displays the Meta AI website interface in a browser window. The browser tabs include "GPT-4 | OpenAI", "Meta AI in Education", and "Meta AI". The address bar shows "meta.ai/vibes". The sidebar on the left contains the following elements:

- Meta AI logo
- New chat (Ctrl+Shift+O)
- Search (Ctrl+K)
- Vibes (highlighted)
- Create
- History section with the following items:
  - Bee on Flower
  - Ant on a flower animation
  - Bee on Flower
  - Transforming Scene
  - Transforming Scene
  - Creating an educational video...
  - The fox winks at the camera; t...
  - Animating school signs and st...
  - Animating children's daily sch...
- User profile: seal\_6592

Three generated images are displayed in a grid:

- A woman wearing a blue top and a patterned orange and red scarf, standing in front of a blue door.
- A baby wearing a yellow knitted hat and a white and yellow fuzzy outfit.
- A street scene in a village with a camel in the foreground, people, and buildings under a sunset sky.

The Windows taskbar at the bottom shows the system tray with weather information (1 cm of rain, Wednesday), search, and various application icons. The system clock indicates 18:26 on 10-03-2026.



# Ethical Use & Responsible AI in School



**DO**

Use AI to understand & explore concepts

Cite AI assistance in your submitted work

Fact-check AI outputs with trusted sources

Use AI to improve your drafts & thinking

Follow your school's AI use guidelines



**DON'T**

Submit AI-generated text as your own work

Use AI during closed-book exams or tests

Share confidential exam questions with AI

Replace deep thinking with AI shortcuts

Trust all AI output without verification

# Writing Better Prompts — The Formula

[Role] + [Task] + [Context] + [Format] + [Level]

1 Role	2 Task	3 Context	4 Format	5 Level
<p>Tell the AI <b>what role it should act as.</b></p> <p>Examples:</p> <ul style="list-style-type: none"><li>• Teacher</li><li>• Scientist</li><li>• Historian</li><li>• Mathematics tutor</li></ul>	<p>Tell the AI <b>what you want it to do.</b></p> <p>Examples:</p> <ul style="list-style-type: none"><li>• Explain</li><li>• Summarize</li><li>• Create questions</li><li>• Write a lesson plan</li></ul>	<p>Give <b>background information</b> about the topic.</p> <p>Examples:</p> <ul style="list-style-type: none"><li>• Subject</li><li>• Chapter name</li><li>• Student age</li><li>• Classroom situation</li></ul>	<p>Tell the AI <b>how you want the answer.</b></p> <p>Examples:</p> <ul style="list-style-type: none"><li>• Bullet points</li><li>• Table</li><li>• Short paragraph</li><li>• PowerPoint slides</li></ul>	<p>Tell the AI <b>the difficulty level.</b></p> <p>Examples:</p> <ul style="list-style-type: none"><li>• Class 3</li><li>• Class 8</li><li>• Beginner</li><li>• Advanced</li></ul>

**Complete Prompt:** *Act as a science teacher. Explain the concept of photosynthesis for Class 6 students in 5 simple bullet points.*

# Writing Better Prompts — Weak/Strong



TEACHER

✗ WEAK

*"Make a quiz on photosynthesis"*

✓ STRONG

*"Create a 10-question multiple-choice quiz for Grade 8 on photosynthesis. Include 4 options per question, vary difficulty, and provide an answer key at the end."*



STUDENT

✗ WEAK

*"Explain the French Revolution"*

✓ STRONG

*"Explain the 3 main causes of the French Revolution in simple language for a 9th grader. Use bullet points and include 2 key facts I should remember for my exam."*



SCIENCE

✗ WEAK

*"Tell me about atoms"*

✓ STRONG

*"Explain how atoms bond to form molecules, with a simple analogy a 10-year-old would understand. Then give me 3 practice questions to test my understanding."*

# Key Takeaways

- ✔ Meta AI is free, powerful and available on WhatsApp, Instagram, Messenger and meta.ai
- ✔ Teachers save time on planning, assessment & communication — Meta AI handles the admin
- ✔ Students get 24/7 personalised support across every subject — from Math to Languages
- ✔ Meta Quest VR transforms abstract learning into immersive, unforgettable experiences
- ✔ Use AI ethically: it should support your thinking, not replace it

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# Meta AI in Education

# Thank You



By Mr. Javeed Hassan Sofi  
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