

THE LUMINA INITIATIVE PRESENTS

AI for Young Learners

Introductory Activity Guide

Helping students explore AI thoughtfully, responsibly and creatively.

■ What Is AI?

Artificial intelligence (AI) is technology that helps computers learn patterns, answer questions and make predictions.

AI Can:

- Recommend videos & music
- Answer questions
- Translate languages

Also:

- Help people learn
- Recognize images & voices
- Power search engines

■ AI You Might Already Use:

YouTube Recommendations

Siri / Alexa

Netflix Suggestions

Chatbots

Search Engines

Think about the apps, games and devices you used today. Can you identify where AI might be helping?

Write or Discuss:

- Which apps use AI?
- How does AI help users?
- What are some good things about AI?
- What are some challenges or concerns?

Reflection:

AI is already part of everyday life. Understanding how it works can help students become thoughtful technology users.

Can AI Make Mistakes?

AI systems learn from information and data. Sometimes the information may be:

- Incomplete
- Unfair
- Or incorrect

That means AI can:

- Make mistakes
- Give different answers
- Show unfair patterns

So humans still need to:

- Think critically
- Ask questions
- Verify information

Ask an AI tool the same question in two different ways. See how the answers change!

Example Questions:

"What are healthy foods?"

"What are cheap healthy foods?"

Discuss:

- Did the answers change?
- Why do you think the answers were different?
- Should people trust AI automatically?
- Why is human judgment important?

Key Idea: AI tools are helpful, but people should still think carefully and make responsible decisions.

Responsible AI Use

Students can use AI responsibly by:

- Asking thoughtful questions
- Checking information carefully
- Using AI creatively and honestly
- Respecting others online
- Understanding that AI is a tool, not a replacement for human thinking

Reflection Activity

Think about it: How can students use AI responsibly, creatively and fairly?

Students may respond through:

Writing

Drawing

Discussion

Group Brainstorming

Closing Thought

AI will continue to shape the future of learning, communication and technology.

By building AI literacy early, students can become thoughtful learners, responsible digital citizens and creative problem-solvers.



Think
Critically



Create
Responsibly



Collaborate
Fairly

About The Lumina Initiative

The Lumina Initiative is a student-led program exploring AI literacy, ethical technology and future learning.

This guide is designed for elementary and middle school students, encouraging them to think critically, creatively and responsibly about AI and the world it is shaping.