

AI Alphabet for Young Readers

Words to Know and Things to Do from A to Z



Start!

A

D

G

J

JUDGEMENT

K

KEYWORD

LITERACY



In This AI Alphabet You Will Find



[Words to Know]: Estella AI:
Help us provide kid-friendly
definitions of AI words.

[Things to Do]: Activities you
can do to explore, learn and have
fun.

[More to Learn]: What new
words and additional activities
will you write and record?

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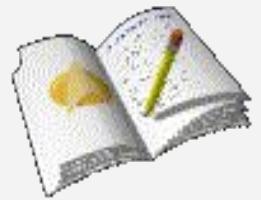
A

D

G

J

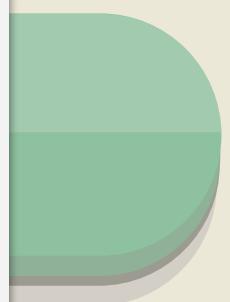
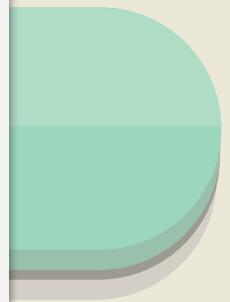
JUDGEMENT



[Words to Know]: EstellaAI:
Provides kid-friendly definitions
of AI words

[Things to do]: Activities you
can do for exploration, learning
and fun.

[You Create More]: What new
words and additional activities will
you write and record?



KEYWORD

K

LITERACY

L

A ALGORITHM

B BOT

C CODE

D DATA

E ETHICS

F FAKE

G GLITCH

H Hallucination

I INTERNET

J JUDGEMENT

K KEYWORD

L LITERACY

M

MACHINE
LEARNING

N

NEURAL
NETWORK

O

OBJECT
SPOTTER

P

PROMPT

Q

QUERY

R

ROBOT

S

SIRI

T

Turing Test

U

UNPLUG

V

VOICE
RECOGNITION

W

WIFI

X

EXPLORATION

M

MACHINE
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N

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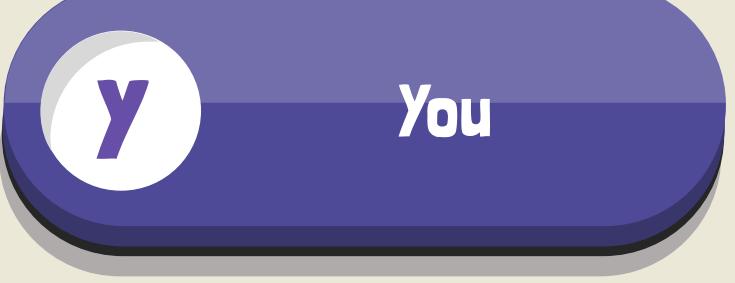
VOICE
RECOGNITION

W

WIFI

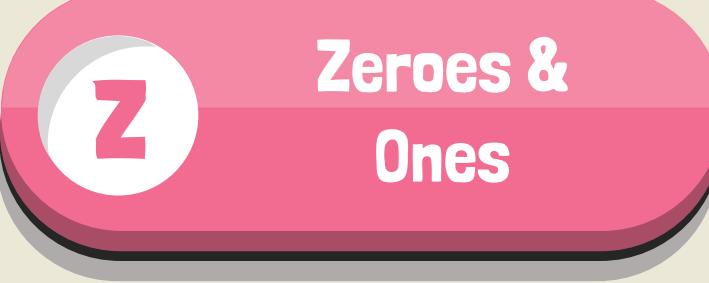
X

EXPLORATION



y

You



z

Zeroes &
Ones

How to Use This AI Alphabet!

Ideas For Teachers, Tutors, Students, and Families

YOU CAN MAKE YOUR OWN ALPHABETS TOO!

What letters and words will you create?

A

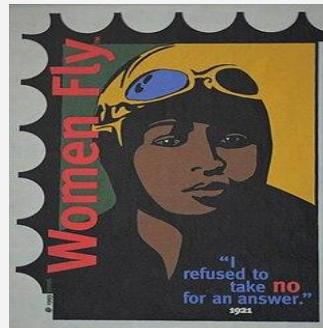
ALGORI



Algorithm



Estella AI: A **set of steps** a computer follows to **solve a problem** or **do a job**.



D

DATA

G

GLITCH

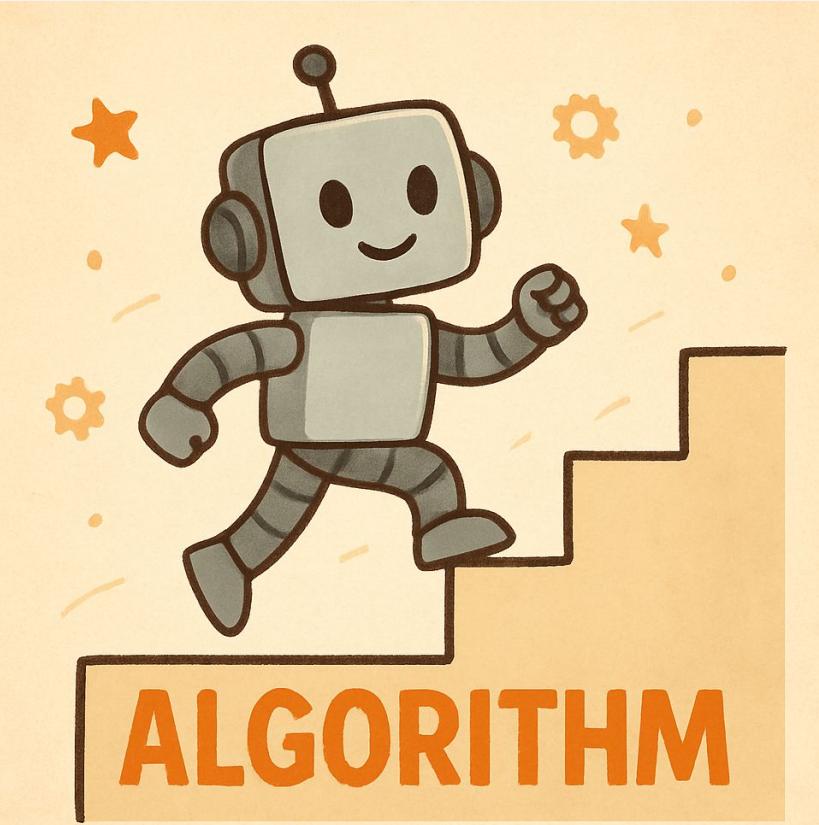
J

JUDGEMENT

MORE TO LEARN: Who was [Bessie Coleman?](#)

K

KEYWORD



L

LITERACY

A

D

G

J

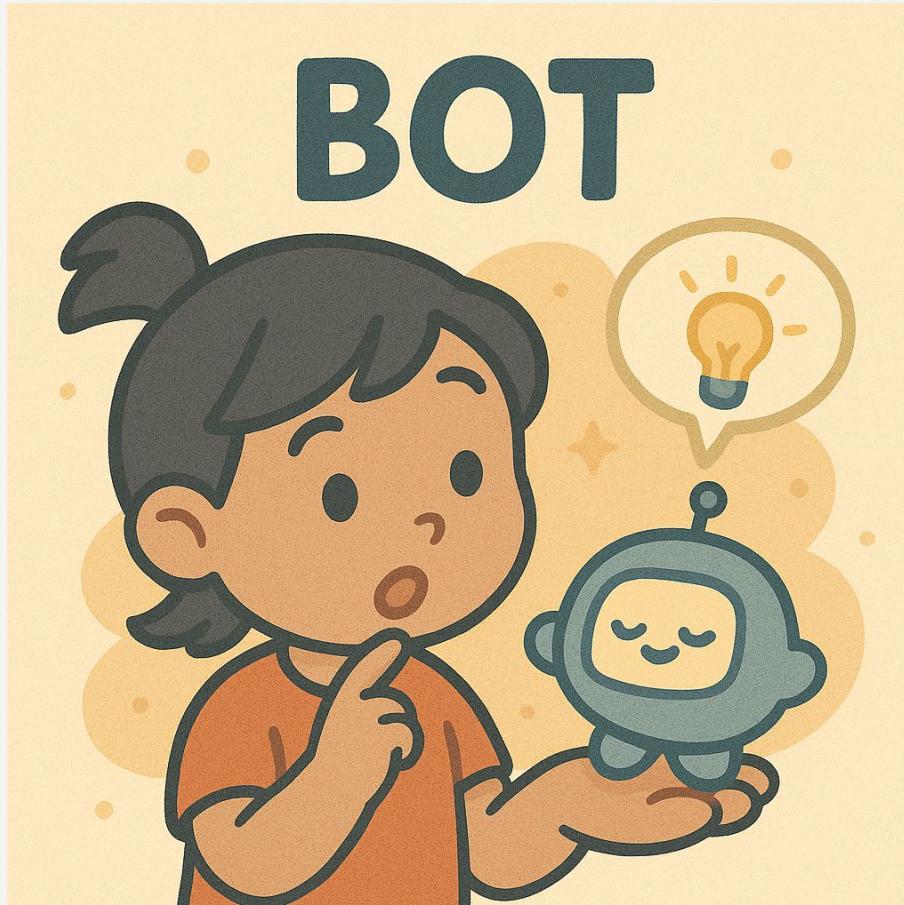
JUDGEMENT

K

KEYWORD

LITERACY

BOT(chatbot)



Estella AI: A computer program that you can **talk to** or **type to**, and it will **answer you**.



TO DO: What **2 Voice or 3 Voice Poems** will you write together with friends and with AI?

ET

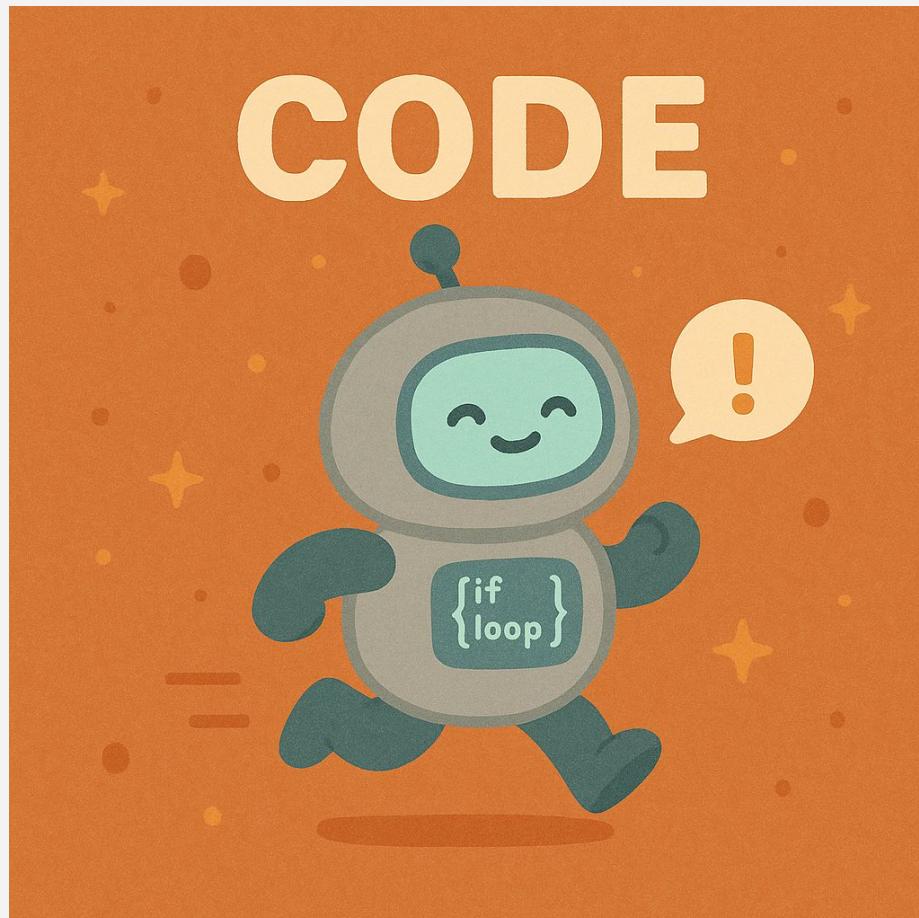
CODE

Estella Al: A special language that people write to tell computers what to do.



TO DO: What will you Code today?

TRY: [Tynker](#), [OctoStudio](#), [Kodable](#). [More Coding Fun!](#)



J

JUDGEMENT

K

KEYWORD

L

LITERACY

CODE

FAKE

INTERNET

A

ALGORI

D

DATA

G

GLITC

J

JUDGEM

DATA

DATA



Estella AI: Words, numbers, pictures, or anything that tells us something.



TO DO: How Will You Solve these Data Puzzles from Sydney-the-Statistician?



A

ETHICS



Estella AI: Knowing right from wrong and making good choices.

👉 “Is this fair?”

👉 “Is this safe?”

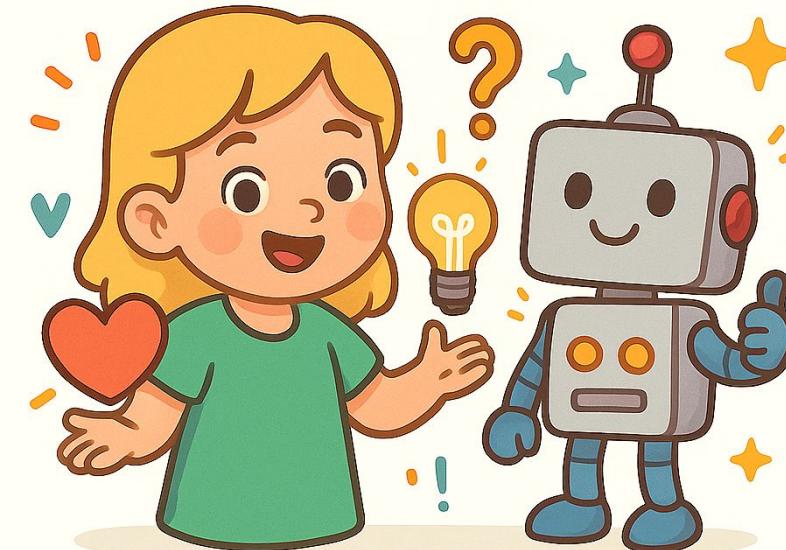
👉 “Does this help others?”

TO DO: What ethical problems will a character have to resolve in a story you are writing? Try [Writer Igniter](#) get started.

G

J

ETHICS



ET

CY

FAKE



CODE

Estella AI: Something that **looks real** but is **not real**. In AI, a **fake** can be

- A **picture** of a person who does not exist.
- A **voice** that sounds like someone but is made by a computer.
- A **video** that shows something that never happened.

TO DO: What Tall Tales will you write from your imagination?

TRY: [Tall Tales: AI Storybook Creator](#)

FAKE

INTERNET

LITERACY

A

ALGORI

D

DATA

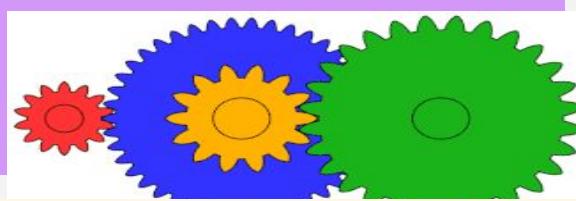
G

GLITC

J

JUDGEM

GLITCH



Estella AI: A tiny problem that makes something not work right.

TO DO: What amazing new inventions are you creating and what glitches do you have to solve?

Create a design for your invention using [Doodle Pad](#).

READ: [The 14 Coolest Things Invented by Kids](#)

GLITCH



A

D

G

J

Hallucination



Estella AI: When a computer or robot makes something up that is **not true** or **not real**.

FACTS

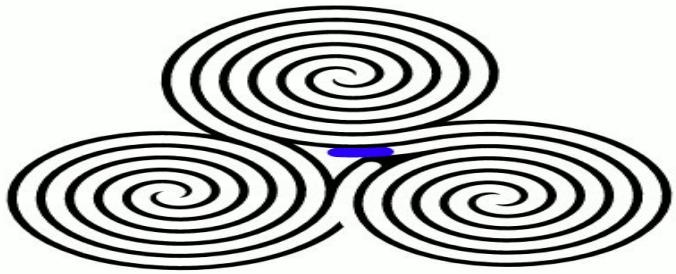


Who is better at finding the facts, your friends or AI?

TO DO: Try this [2 Truths and a Lie learning plan](#) and then create your own games to test AI for accuracy.

INTERNET

Estella AI: A big invisible web that connects computers everywhere.



TO DO: What website will you design?

Try one with Google Sites or Wix.



CODE

FAKE

INTERNET

LITERACY

A

ALGORITHM

B

BOT

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DATA

G

GLITCH

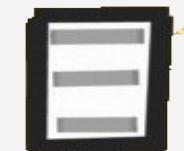
J

JUDGEM

JUDGEMENT



Estella AI: Judgment means making a good choice or deciding what is right. It helps us know what to do in different situations.



TO DO: What Scuples game questions will you write?

Here are questions from Estella AI to get you started.

A

ALGORITHM

B

BOT

C

CODE

D



KEYWORD

Estella Al: An **important word** that helps you understand. It tells you what a question or story is about.



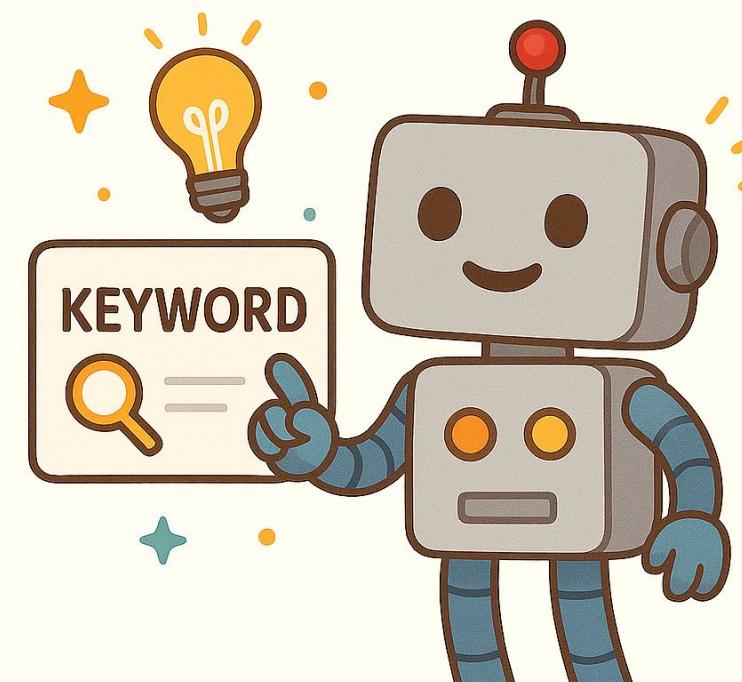
TO DO: What favorite words will you have to create your own digital Alphabet Book?

Publish Your ABC book with [Toolify.ai](#)

Who was [Sylvia Ashton-Warner](#) and what is key vocabulary?

J

KEYWORD



ET

cy

A ALGORITHM

B BOT

C CODE

LITERACY

LITERACY



Estella AI: Being able to **read and understand words and images.**

Literacy helps us learn, follow stories, and know what signs or books are saying.



TO DO: Can you find the hidden word in these [Toy Theatre games](#)?

FAKE

INTERNET

LITERACY

M

MACHINE
LEARNING

P

PROMPT

S

SIRI

V

VOICE
RECOGNITION

W

WIFI

X

EXPLORATION

MACHINE LEARNING

Estella AI: A computer **learns** from **data** to get **better** at a task.

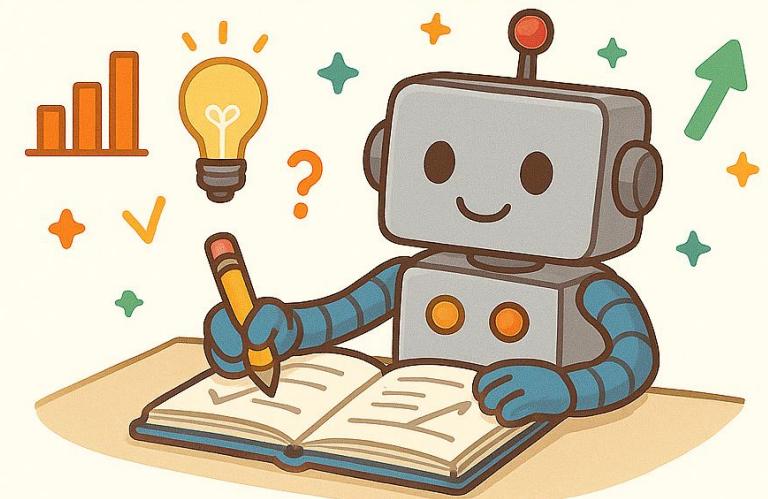


It **looks at examples** and starts to **figure things out on its own** – kind of like how kids learn by practicing!

TO DO: What comic or cartoon story will you draw about a machine that learns?

[Try ComicsMaker.ai](#)

MACHINE LEARNING



M

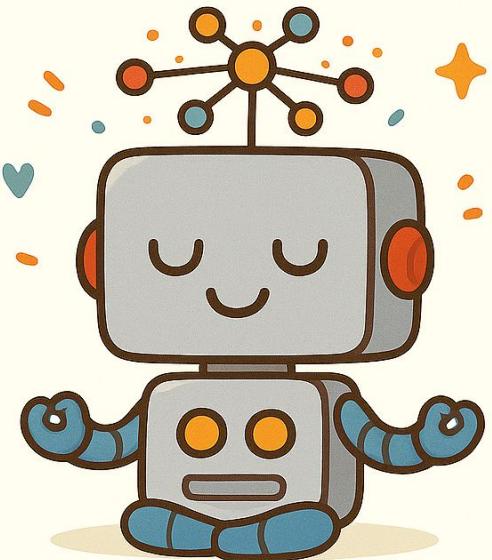
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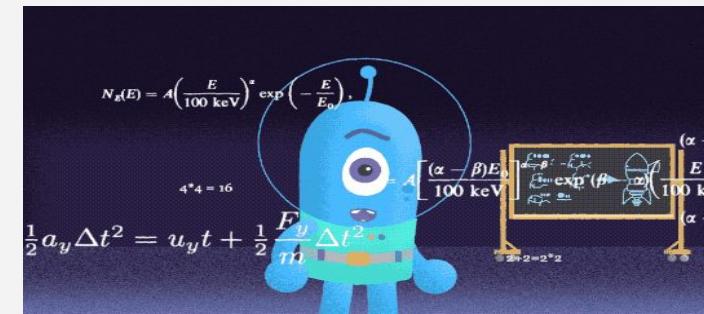
V

RECOGNITION

NEURAL NETWORK



Estella AI: A special kind of **computer brain** that helps a computer **learn from examples, make decisions, and get smarter** over time.



TO DO: How will you build your brain today? By Reading, Writing, Designing, Inventing, Creating, and Believing you can do it!

WIFI

EXPLORATION

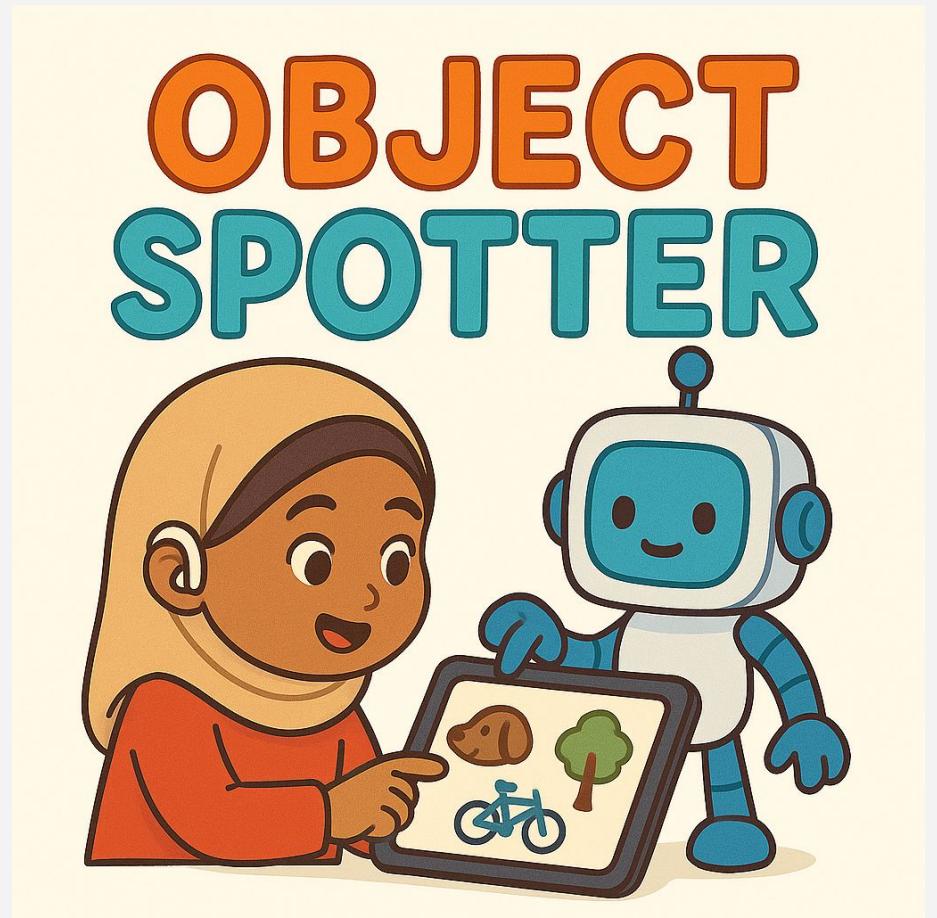
OBJECT SPOTTER

Estella AI: An object spotter is a computer tool that can look at a picture or a video and tell what objects are there, like: a dog, a bike, or a tree.



TO DO: What I Spy game will you create?

Play a [Spy with my Science Eye](#) Game with friends to get started.



OBJECT
SPOTTER

ROBOT

UNPLUG

EXPLORATION

M

MACHIN
LEARNI

P

PROMP

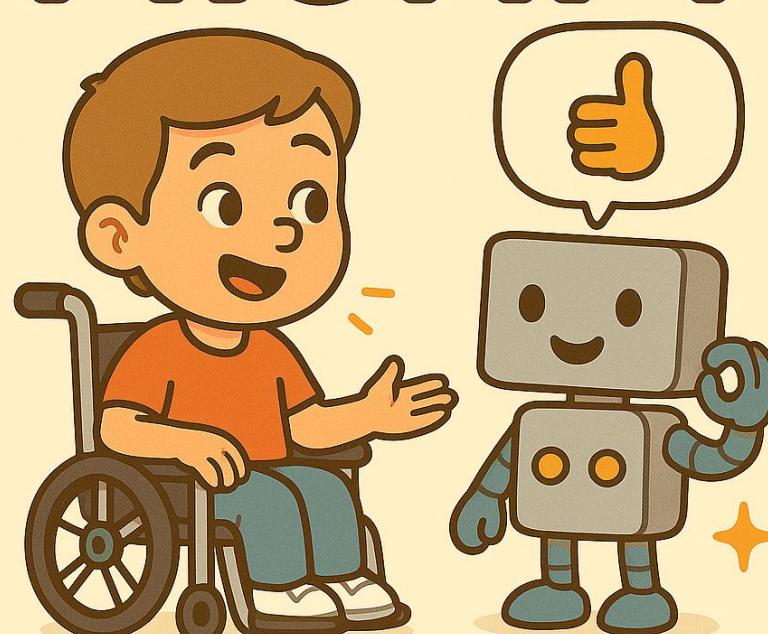
S

SIRI

V

VOIC
RECOGNIT

PROMPT



Estella AI: A little helper that gives you an idea or tells you what to do.



TO DO: What prompts would you give AI start you writing a **Once Upon a Time** story about a pirate penguin and a robot octopus?

Try writing cartoon adventure stories with [Toonastic 3D](#).

M

P

S

V

QUERY



Estella AI: A **query** is a **question** you ask a computer. It helps the computer know **what you want to find out**.

TO DO: Create a **Jeopardy game with Factile but write your own questions.**



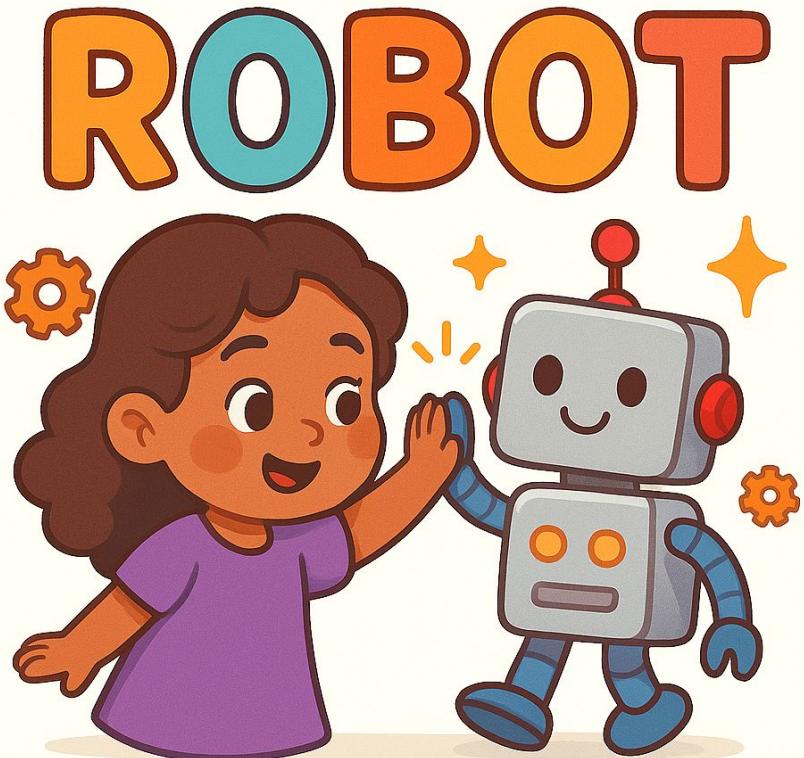
RECOGNITION

T
CR

G

TION

ROBOT



RECOGNITION



Estella AI: A machine that can move, follow steps, and sometimes **think or talk** using AI.



TO DO: If you could **design a new robot** for your home, what would you have it do?

Then record an **audio or video commercial** to promote it.

OBJECT SPOTTER

ROBOT

UNPLUG

EXPLORATION

M

MACHINE
LEARNI

P

PROMI

S

SIRI

V

VOICE
RECOGNI

NEURAL

OBJECT

SIRI



Estella AI: a helpful friend inside a phone or tablet you can talk to ask questions, or tell it to do things and it talks back to help you.



TO DO: If you invented your own Siri voice assistant, what helpful or funny things would you ask it to do?

M

MACHINE

P

NEURAL

S

OBJECT
RECOGNITION

V

T

ING

Turing Test

Estella AI: The **Turing Test** is a **game** to see if a computer can **talk like a person**.



TO DO: If you **ask questions** and **can't tell** if the answers come from a person or a computer, then the computer **passes the test**.

Who was [Alan Turing?](#)

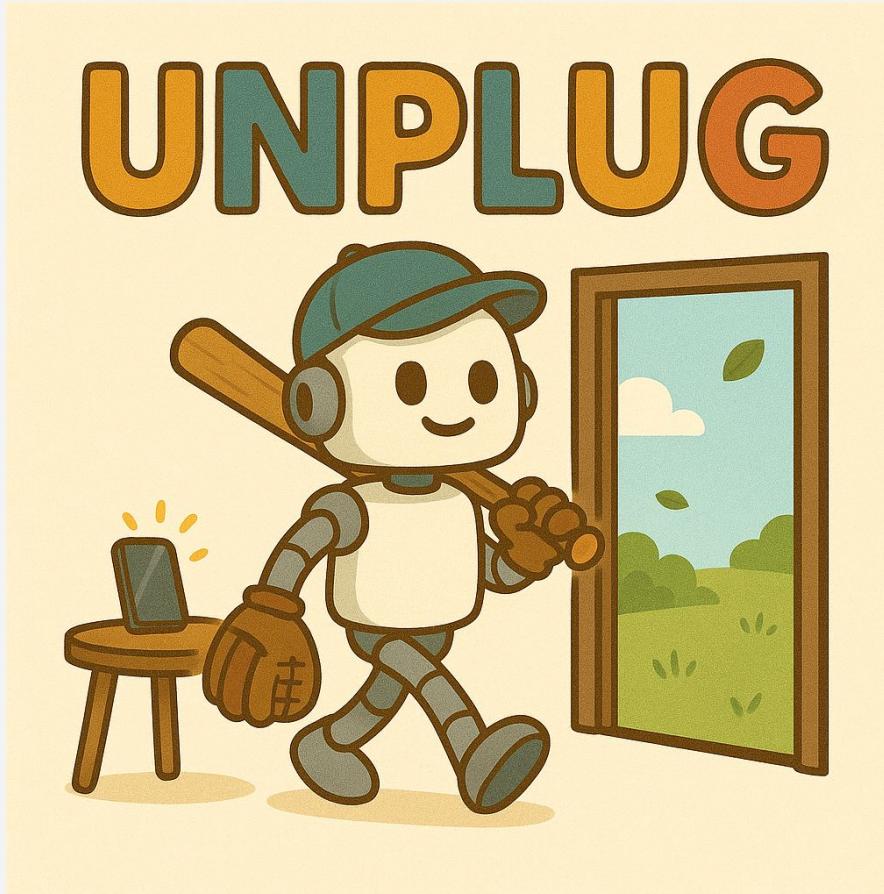


TURING TEST



MACHINE

Unplug



NEURAL



Estella AI: Take a break from screens to do something **away from technology**.



TO DO: What are you going to do outside for fun and learning?

OBJECT SPOTTER

ROBOT

UNPLUG

EXPLORATION



MACHINE
LEARNI



NEURAL



OBJECT



PROMI



SIRI



VOICE
RECOGNI

VOICE RECOGNITION

Estella AI: A computer can **listen to your voice** and **understand your words**. You **talk**, and the computer **follows what you say**.



TO DO: What is going to happen next in [Milo and Talking Tablet](#)?



MACHINE

M

NEURAL

N

OBJECT

R

WI-FI



Estella AI: How computers, tablets, or phones talk to the Internet without using any wires!



TO DO: How will people communicate with each other in future?

Create a visual history timeline of wired communication technologies with Canva and AI.

MACHINE

eXPLORATION

Estella AI: Trying new things to learn or solving a problem.



TO DO: What will you explore today?

Take a virtual walk in the forest with Sofia or a trip to the river with Jenny.

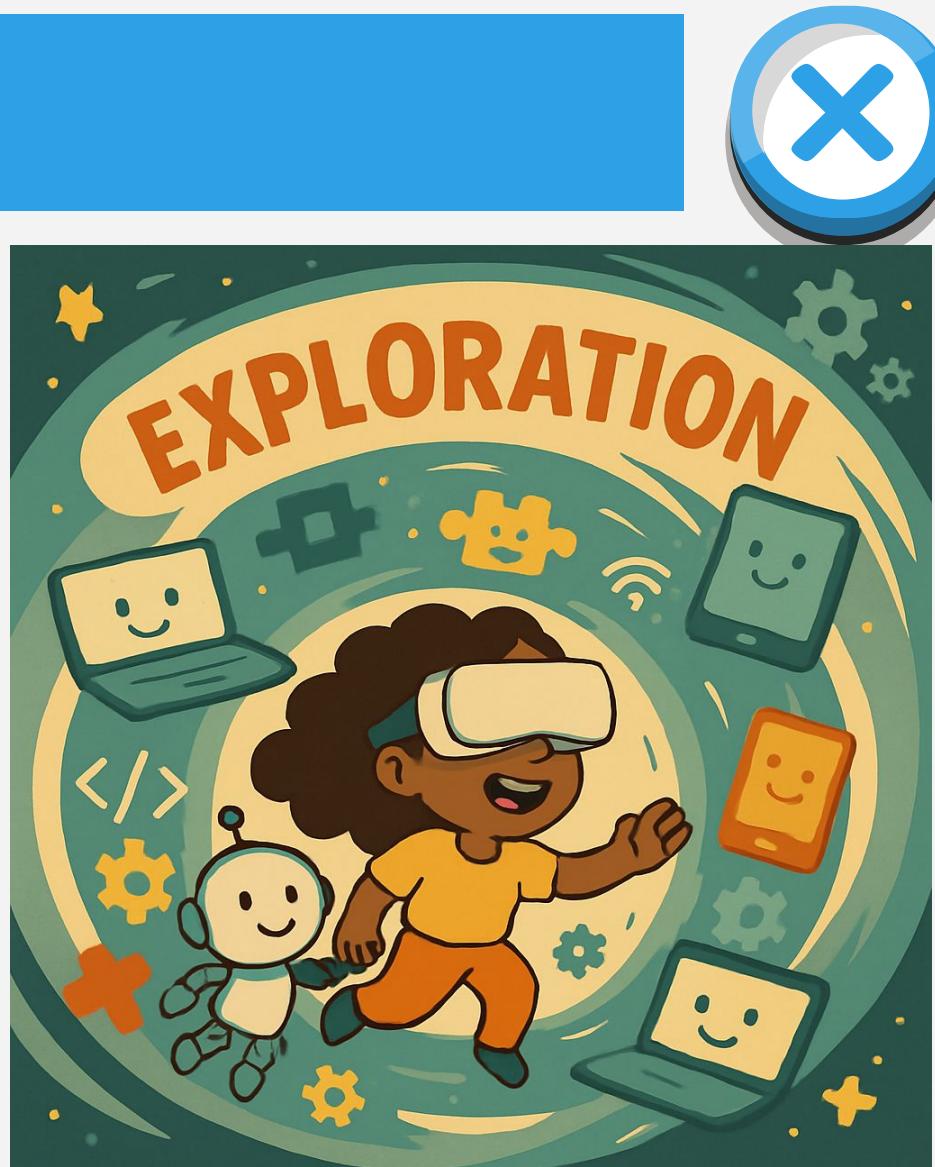
NEURAL

OBJECT SPOTTER

ROBOT

UNPLUG

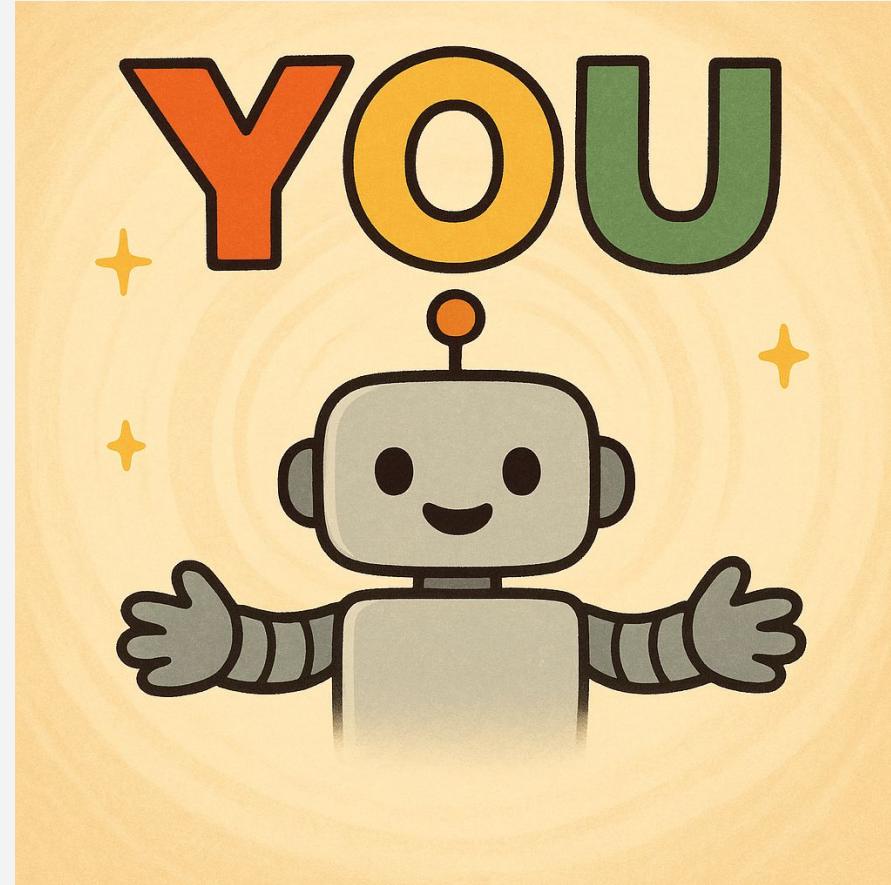
EXPLORATION



y

You

YOU



Estella AI: The person using the computer or the person asking the question.



TO DO: What will you write and record in your **All about Me** autobiography?

Try [All about Me Book Creator](#)

ZEROES AND ONES



Estella AI: Zeroes and ones are like **light switches** that **AI uses to help it think.**

- **Zero (0)** is like the light being **off**.
- **One (1)** is like the light being **on**.

The computer turns the switches on and off to **learn** things.



TO DO: Where in Math History do you want to visit with [Tai, the-Time Traveling Math-Historian?](#)



Credits

Special thanks to all the people and AI who made and released these awesome resources for free:

- Presentation template by [Slidesmania](#)
- Images generated by OpenAI's DALL·E

Learn more ways to use AI to this kid-friendly 'AI Alphabet' to simplify complex AI concepts for young learners by reading this [**Building an AI Alphabet for Kids . . . with Help from AI**](#) blog post.

Site Design and Content: Robert W. Maloy, Sharon A. Edwards, Chenyang Xu, Aubrey Coyne, and Julia Plotniak (University of Massachusetts Amherst)



SLIDESMANIA

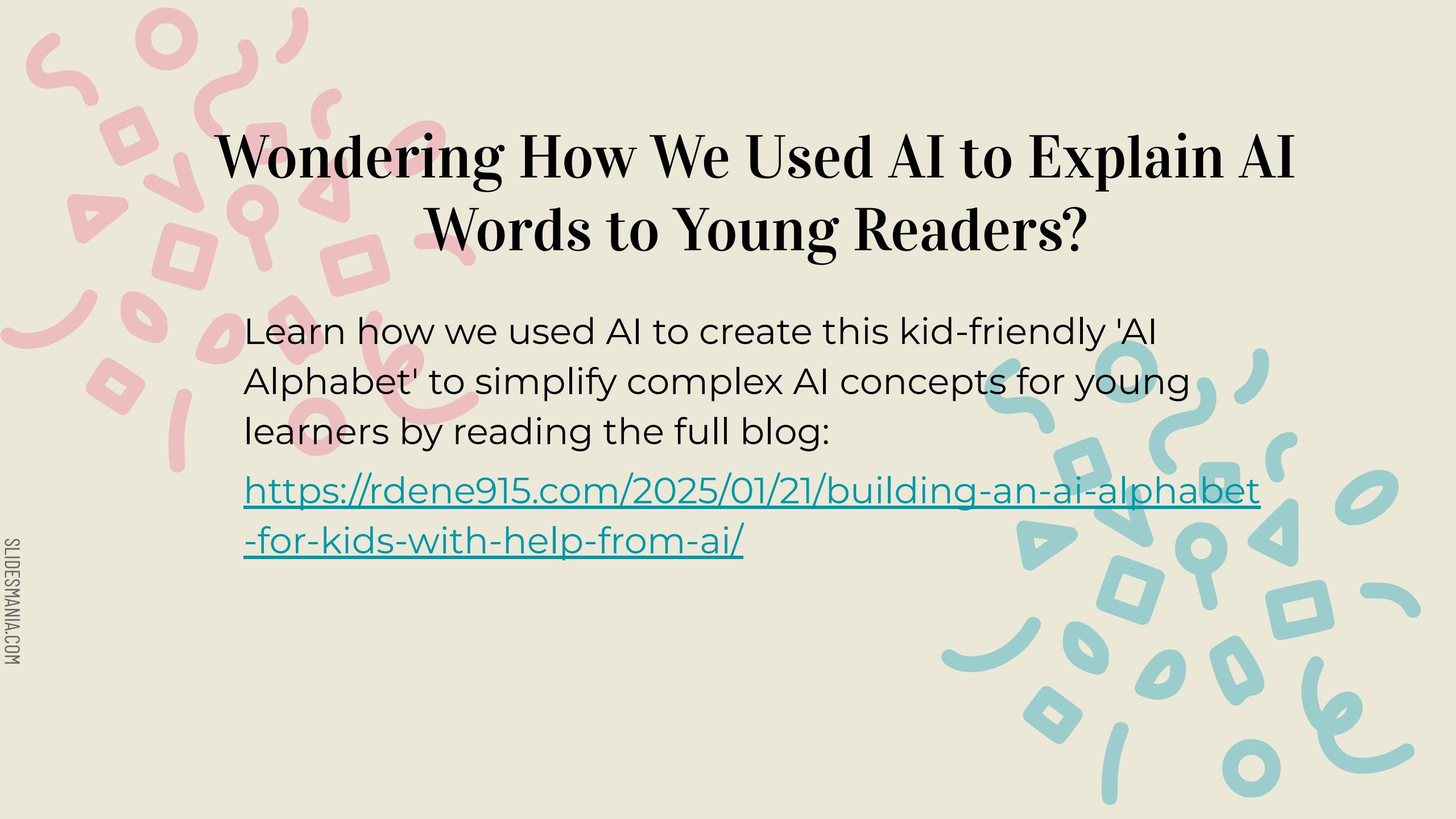
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Sharing is caring!





Wondering How We Used AI to Explain AI Words to Young Readers?

Learn how we used AI to create this kid-friendly 'AI Alphabet' to simplify complex AI concepts for young learners by reading the full blog:

<https://rdene915.com/2025/01/21/building-an-ai-alphabet-for-kids-with-help-from-ai/>