A.I. in Education

RISE Conference
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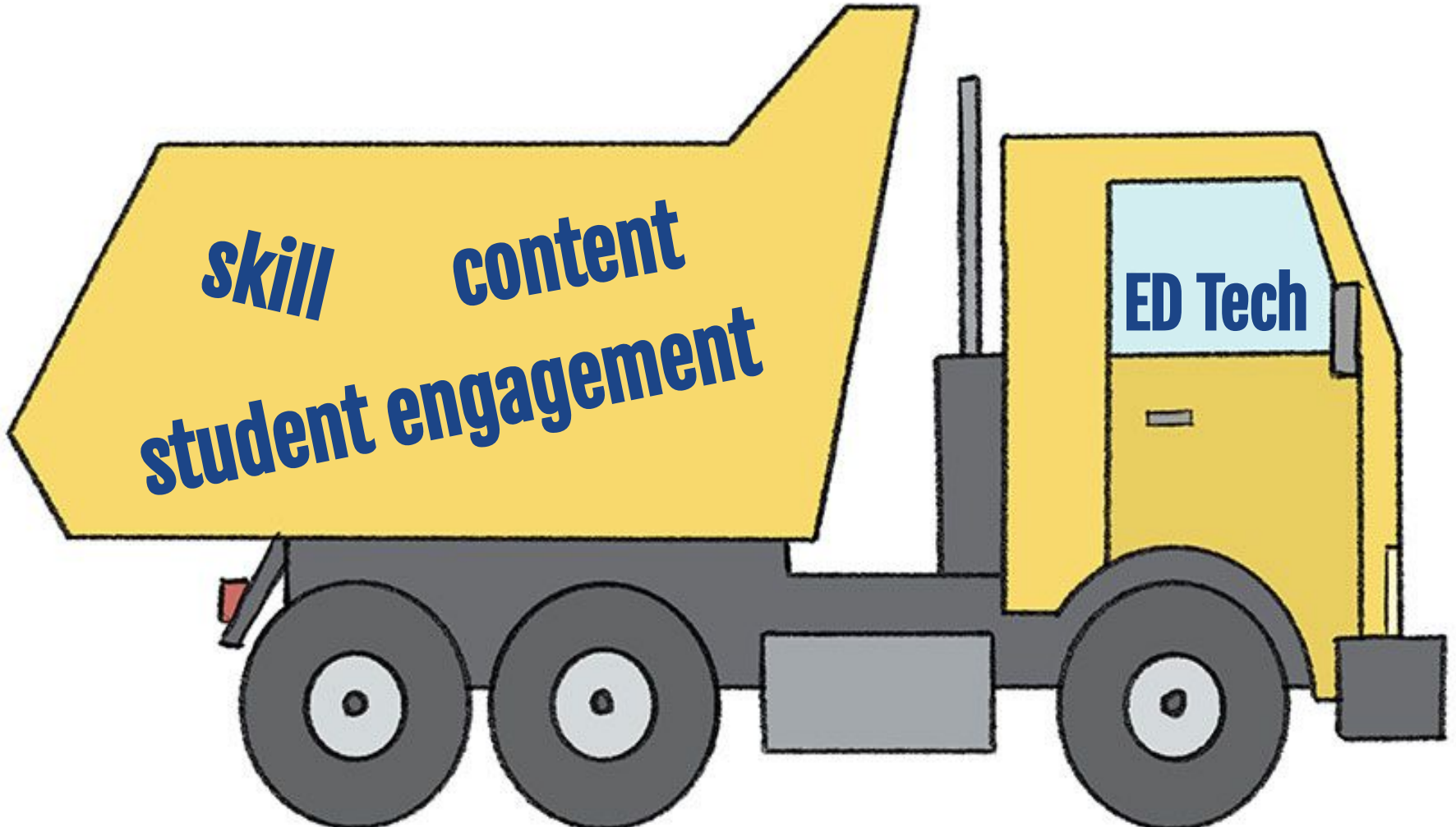
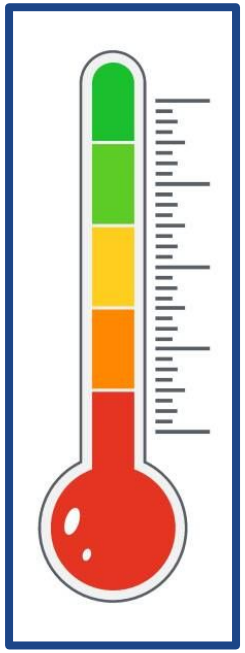
Ed Tech Imperative: to incorporate digital technology to **best support** curricular content and skill building



Part I. Taking the Temperature of the Room



OFTEN

SOMETIMES

RARELY

A.I. PLATFORMS SHOULD BE UTILIZED BY …

… TEACHERS TO BUILD BETTER LESSONS

… STUDENTS TO BEST ENGAGE THEM

… STUDENTS FOR SKILL BUILDING

… TEACHERS TO ASSESS STUDENT LEARNING

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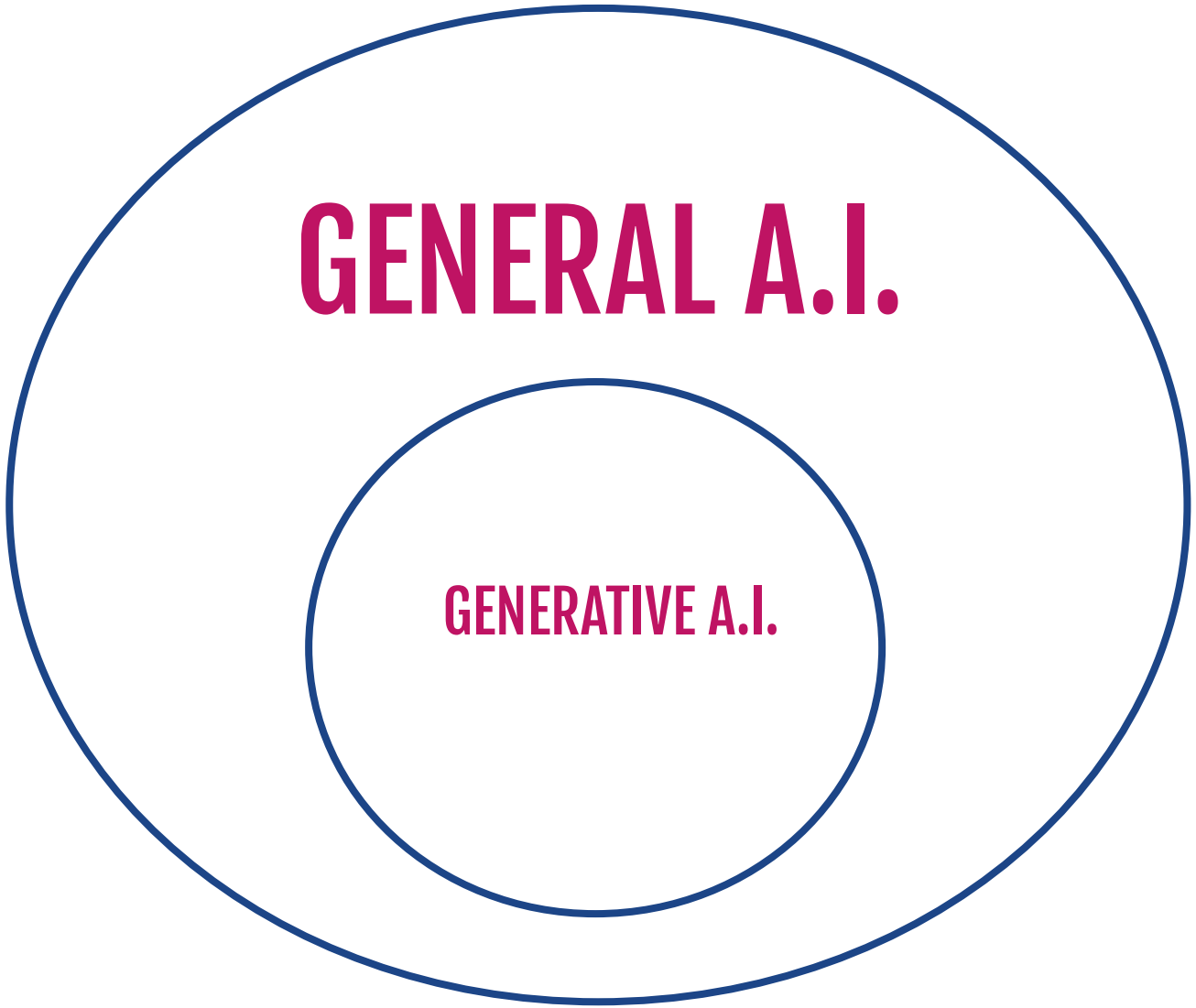
Part II. WHAT IS ARTIFICIAL INTELLIGENCE



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LOGIC THEORIST

- DEVELOPED IN 1956
- DESIGNED TO MIMIC HUMAN BEHAVIOR
- USED RULES OF LOGIC

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ELIZA

- DEVELOPED IN 1966
- SIMPLE NATURAL LANGUAGE PROCESSING
- SIMULATED CONVERSATION

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WATSON

- DEVELOPED IN 2004
- COMPLEX NATURAL LANGUAGE QUESTIONS
- USED IN A VARIETY OF FIELDS

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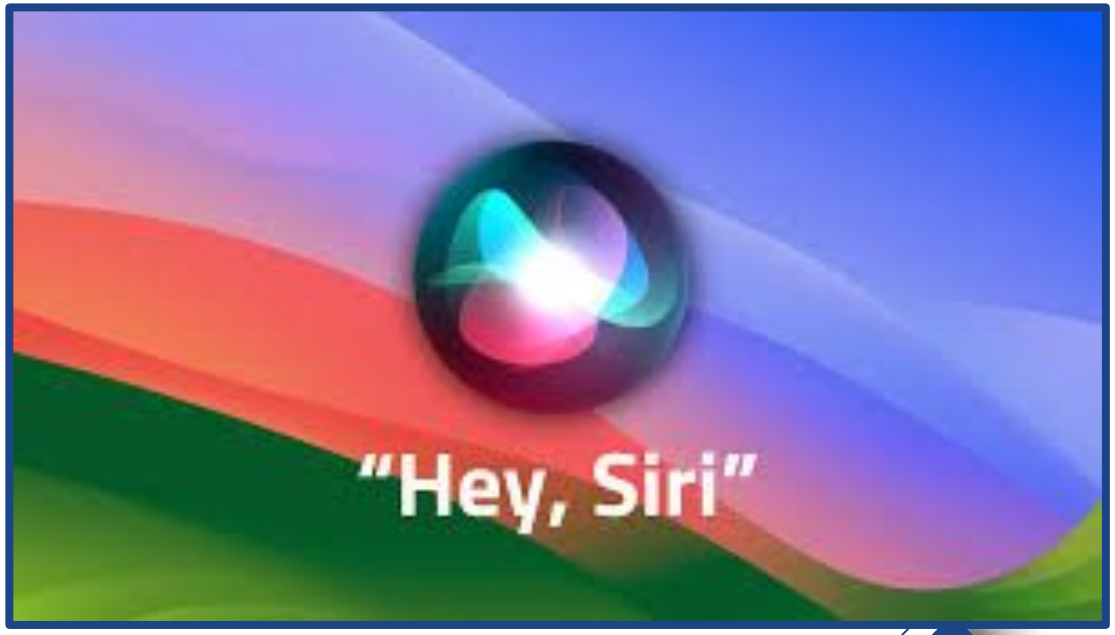
SIRI

- DEVELOPED IN 2011
- UNDERSTANDS VOICE COMMANDS
- PERFORM A VARIETY OF TASKS



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TESLA

- DEVELOPED IN 2008
- DEEP LEARNING MODEL
- AUTONOMOUS SYSTEM

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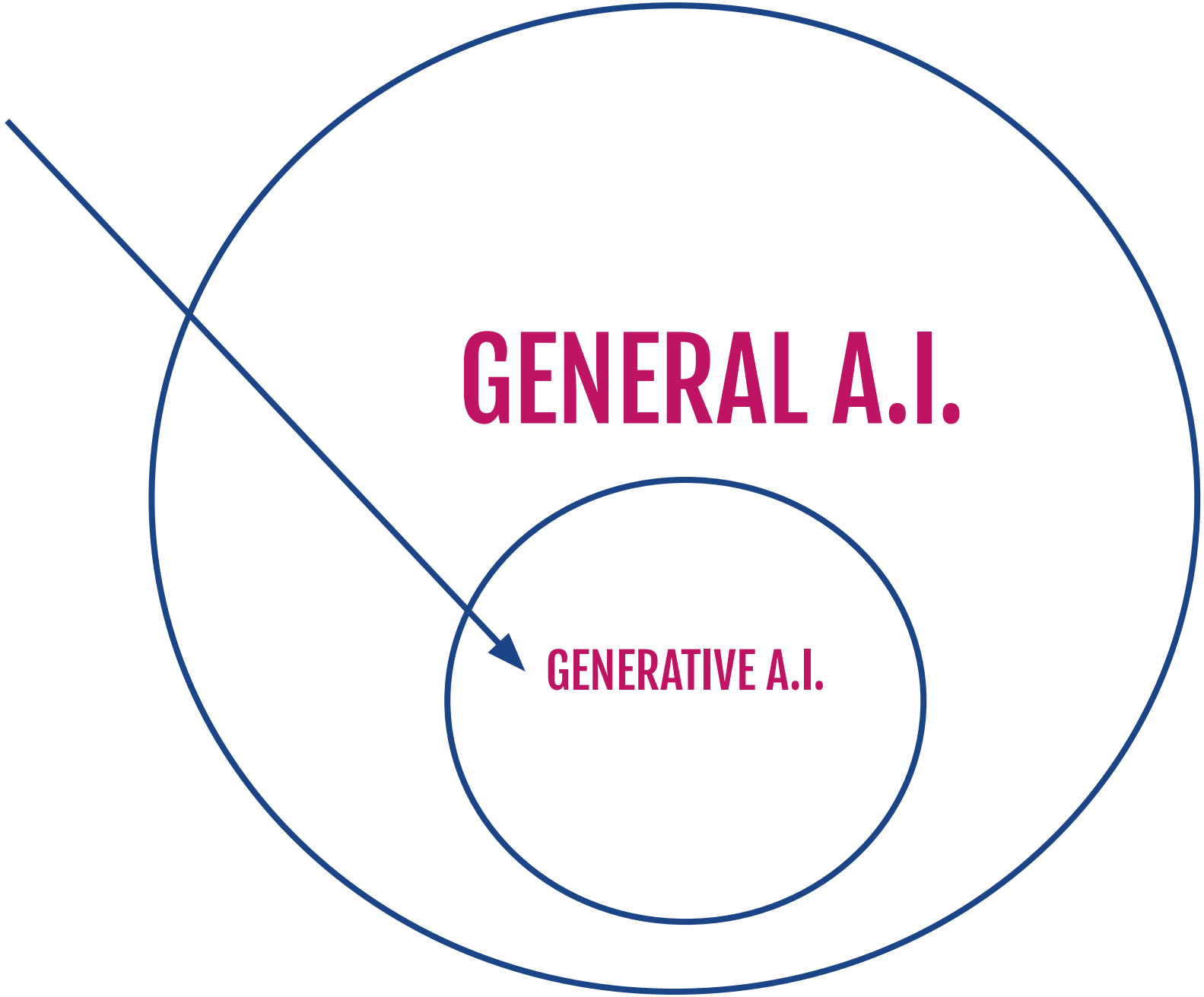

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GENERATIVE AI GPT

GENERATIVE: ABILITY TO GENERATE NEW CONTENT

PRE-TRAINED: LARGE DATASET TO UNDERSTAND AND FINETUNE

TRANSFORMERS: UNDERSTANDING CONTEXT IN SEQUENCE OF DATA

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GENERATIVE AI IN EDUCATION

VIRTUAL ASSISTANT

Meta AI

ChatGPT-4o

SPECIFIC CONTENT

MAGIC SCHOOL

NON TEXT TOOLS

DALL·E 3

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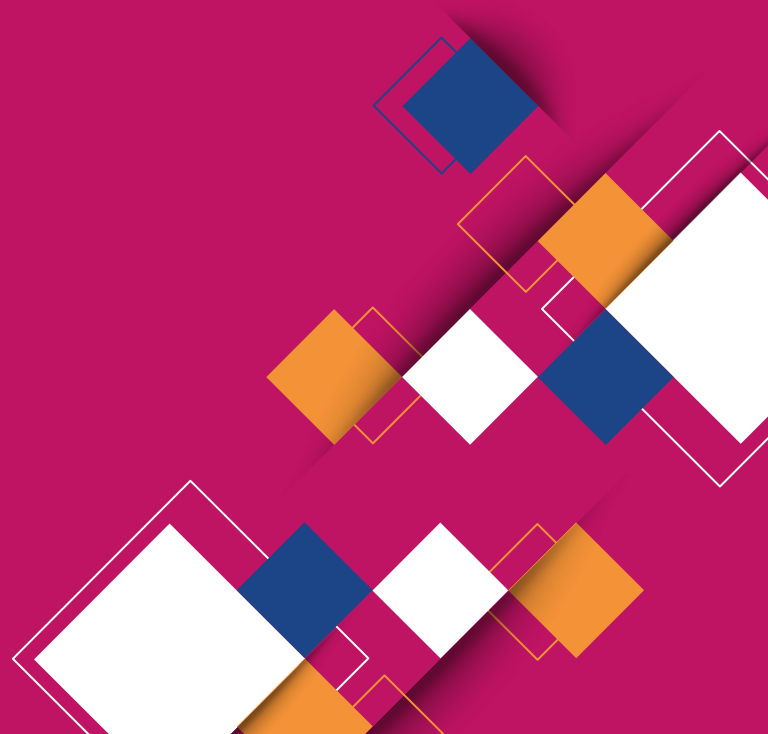
5 MINUTE BREAK



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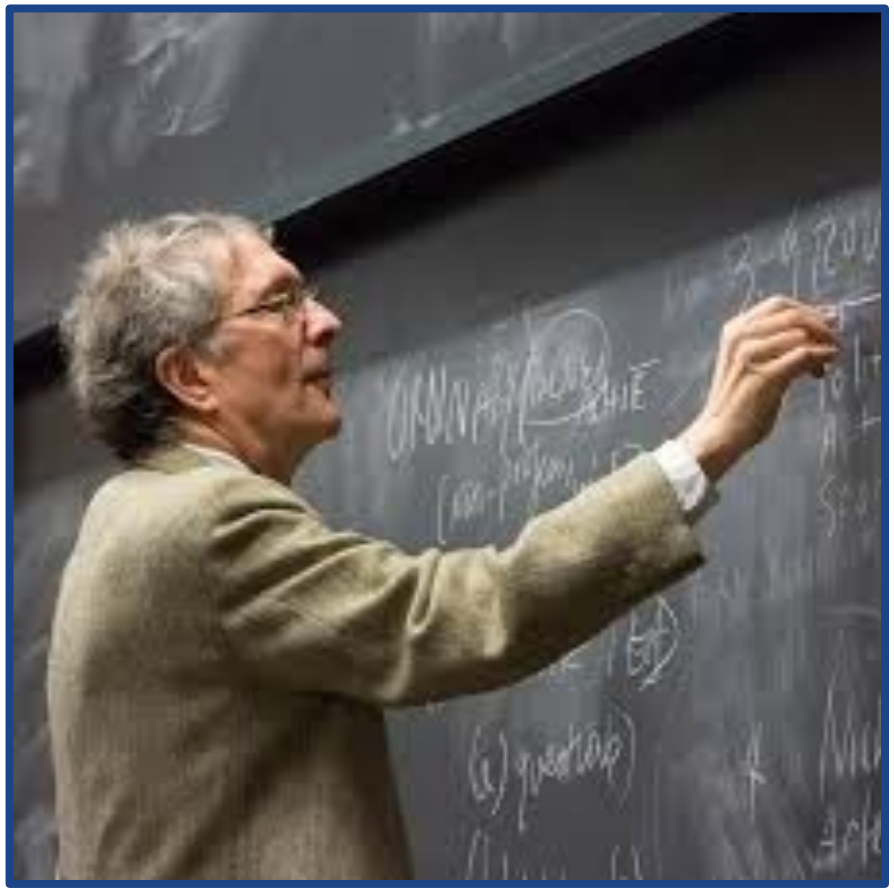
Part III. MULTIPLE INTELLIGENCE & A.I. TOOLS



"IT'S NO HOW SMART YOU ARE THAT MATTERS, WHAT REALLY COUNTS IS HOW YOU ARE SMART."

- HOWARD GARDNER

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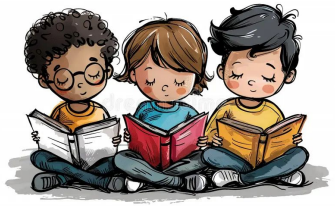
MULTIPLE INTELLIGENCES

LINGUISTIC INTELLIGENCE



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PROMPT GENERATING: THE P.R.E.P. METHOD

PURPOSE

ROLE

EXECUTION

PARAMETERS

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A LESSON IN CIVICS CLASS

PURPOSE: SUMMARIZE THE BILL OF RIGHTS

ROLE: AS THE U.S. PRESIDENT

EXECUTION: A TWO MINUTE SPEECH

PARAMETERS: FOR A MIDDLE SCHOOL STUDENT

PROMPT: “As the U.S. President, write a two minute speech summarizing the Bill of Rights for a middle school student”

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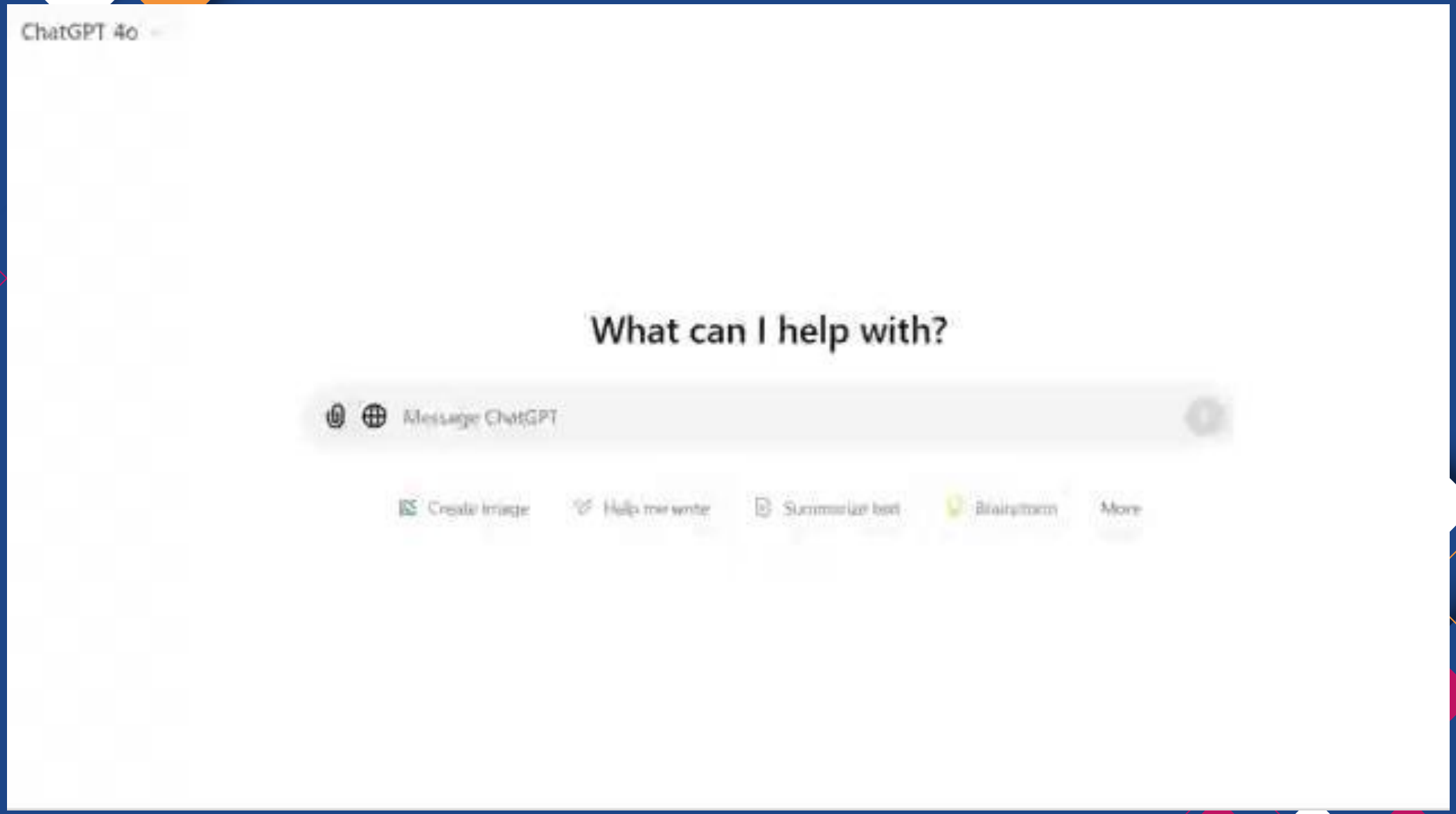

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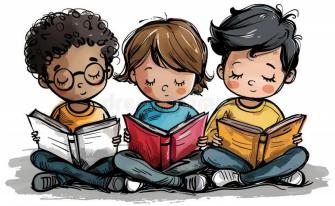
MULTIPLE INTELLIGENCES

LINGUISTIC INTELLIGENCE



SPATIAL INTELLIGENCE

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A LESSON IN CIVICS CLASS

PURPOSE: DEPICTION OF THE BILL OF RIGHTS

ROLE: AS A POLITICAL CARTOONIST

EXECUTION: HUMOROUS

PARAMETERS: FOR A MIDDLE SCHOOL STUDENT

PROMPT: "Draw a humorous depiction of the Bill of Rights as a political cartoonist"

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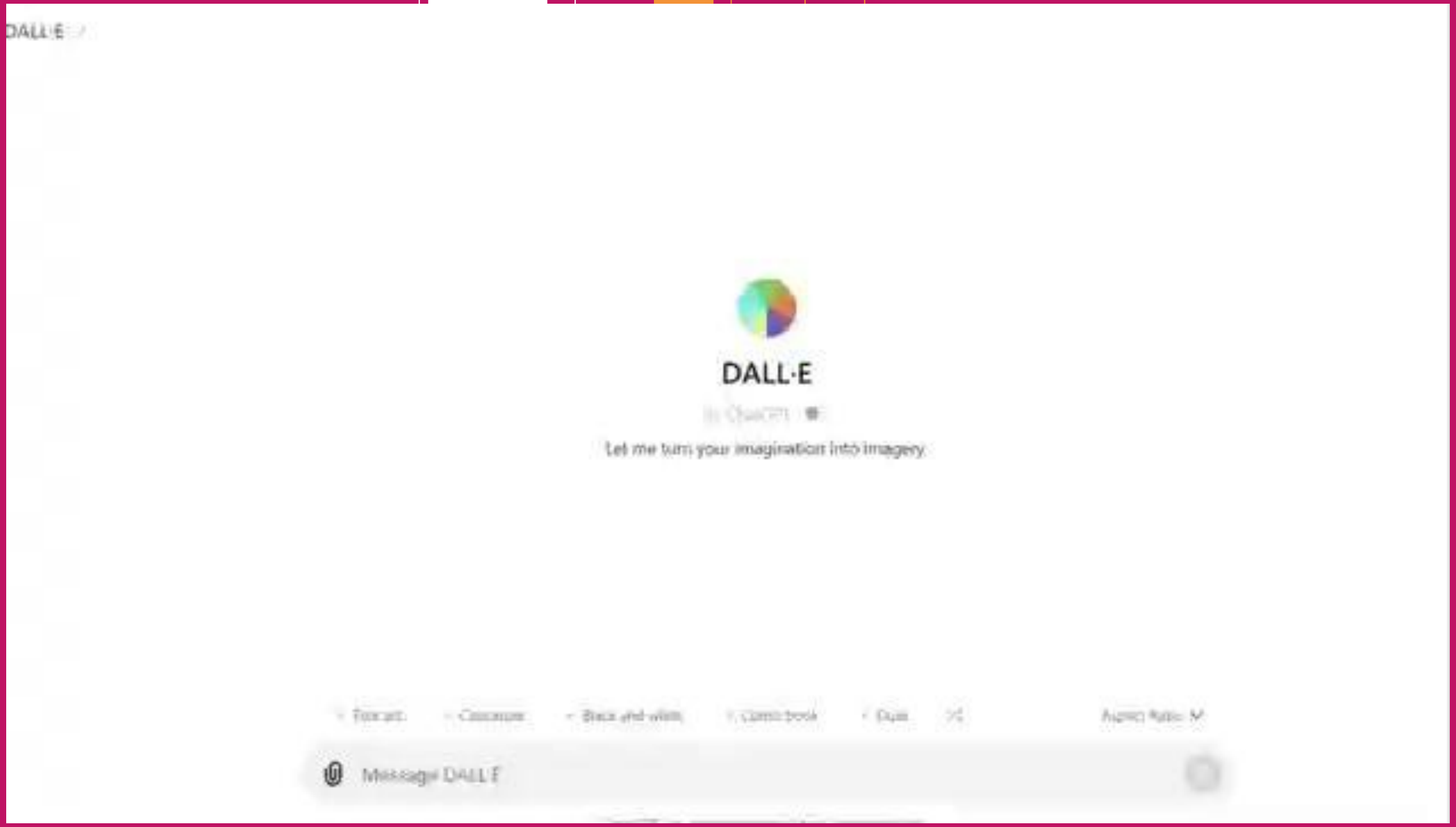

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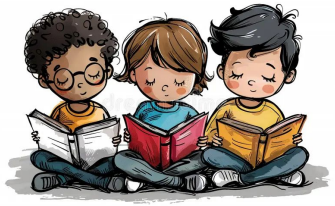
MULTIPLE INTELLIGENCES

LINGUISTIC INTELLIGENCE



SPATIAL INTELLIGENCE

MUSICAL INTELLIGENCE

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A PRESENTATION TO SCHOOL LEADERSHIP

PURPOSE: JINGLE ABOUT SCHOOL LEADERSHIP

ROLE: WRITTEN BY A SCHOOL ADMINISTRATOR

EXECUTION: 30 SECONDS

PARAMETERS: COUNTRY SONG

PROMPT: "COMPOSE A 30 SECOND COUNTRY MUSIC SONG ABOUT SCHOOL LEADERSHIP WRITTEN BY A SCHOOL ADMINISTRATOR"

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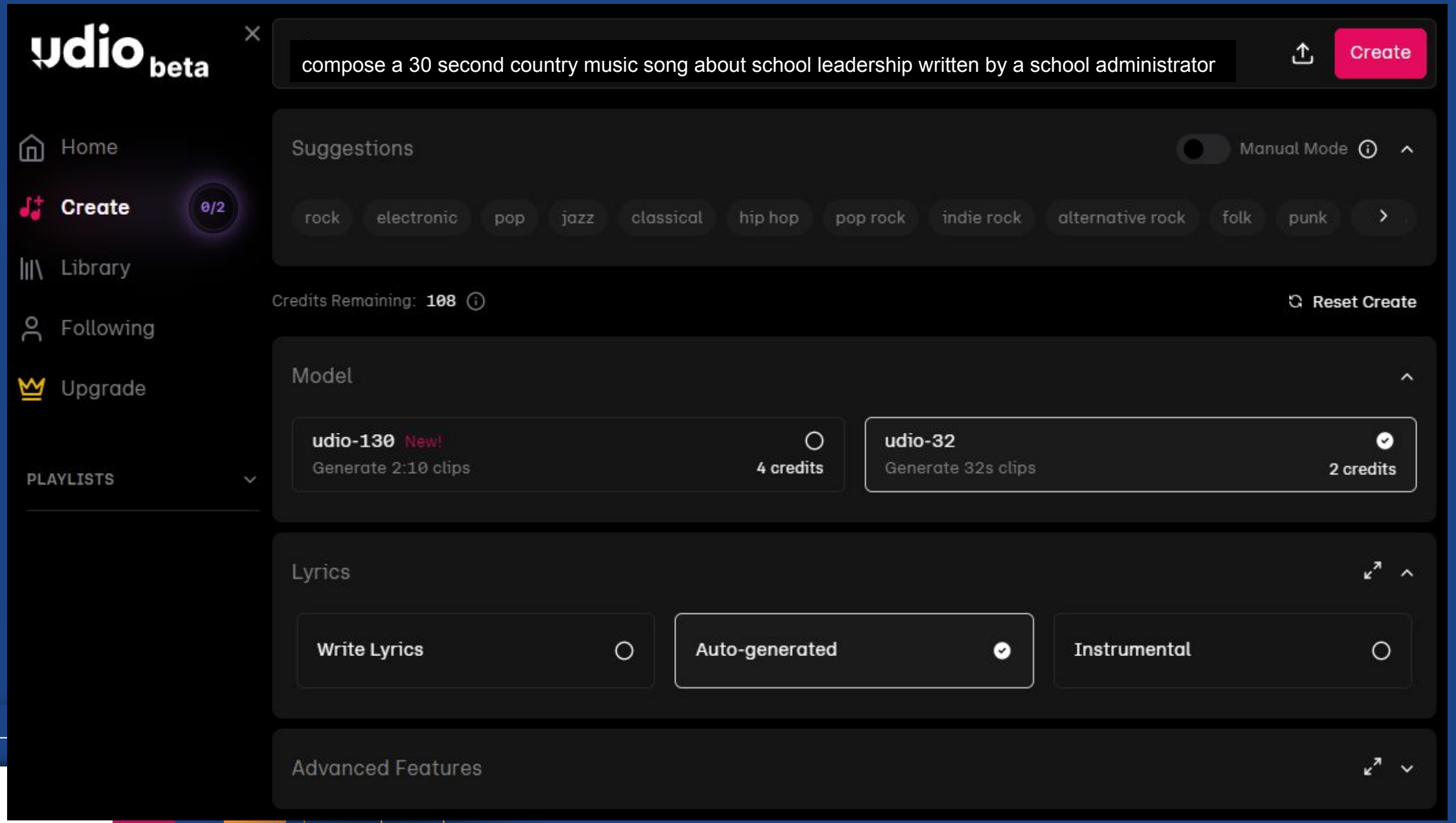

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PART IV. TEACHER-FACING A.I.

PERSONALIZED /ADAPTIVE LEARNING

IXL LEARNING

AUTOMATED GRADING

turnitin

CURRICULUM & LESSON PLANNING

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Electoral College

The Electoral College

Home
About the Electoral College
About the Electors
Roles and Responsibilities
Legal Provisions
Distribution of Electoral Votes
Results
History
FAQs
Voting & Election Resources
For State Officials

—

Contact OFR

What is the Electoral College?

The Electoral College is a process, not a place. The Founding Fathers established it in the Constitution, in part, as a compromise between the election of the President by a vote in Congress and election of the President by a popular vote of qualified citizens.

What is the process?

The Electoral College process consists of the selection of the electors, the meeting of the electors where they vote for President and Vice President, and the counting of the electoral votes by Congress.

How many electors are there? How are they distributed among the States?

The Electoral College consists of 538 electors. A majority of 270 electoral votes is required to elect the President. Your State has the same number of electors as it does Members in its Congressional delegation: one for each Member in the House of Representatives plus two Senators. Read more about the allocation of electoral votes. →

The District of Columbia is allocated 3 electors and treated like a State for purposes of the Electoral College under the 23rd Amendment of the Constitution. For this reason, in the following discussion, the word "State" also refers to the District of Columbia and "Executive" to the State Governors and the Mayor of the District of Columbia.

...a Process, not a Place

The Office of the Federal Register (OFR) is a part of the National Archives and Records Administration (NARA) and, on behalf of the Archivist of the United States, coordinates certain functions of the Electoral College between the States and Congress. It has **no role** in appointing electors and has **no contact** with them.

Search the U.S. Electoral College

Search

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PART IV. TEACHER-FACING A.I.

PERSONALIZED /ADAPTIVE LEARNING

IXL LEARNING

AUTOMATED GRADING

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CURRICULUM & LESSON PLANNING

FLIPPED CLASSROOM

COMMUNICATION

report card wizard
INSIGHTFUL COMMENTS. MADE EASY

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AI INTEGRATION: 3 CASE STUDIES

ELEMENTARY SCHOOL: PROMPT GENERATING WITH AN AI SEARCH ENGINE FOR AN ELECTION DAY PROJECT

MIDDLE SCHOOL: RESEARCH SKILLS WITH AN AI TOOL FOR A EUROPEAN EXPLORERS PROJECT

HIGH SCHOOL: IDENTIFYING SYMBOLISM THROUGH AN AI IMAGE GENERATOR FOR A UNIT IN ENGLISH LITERATURE

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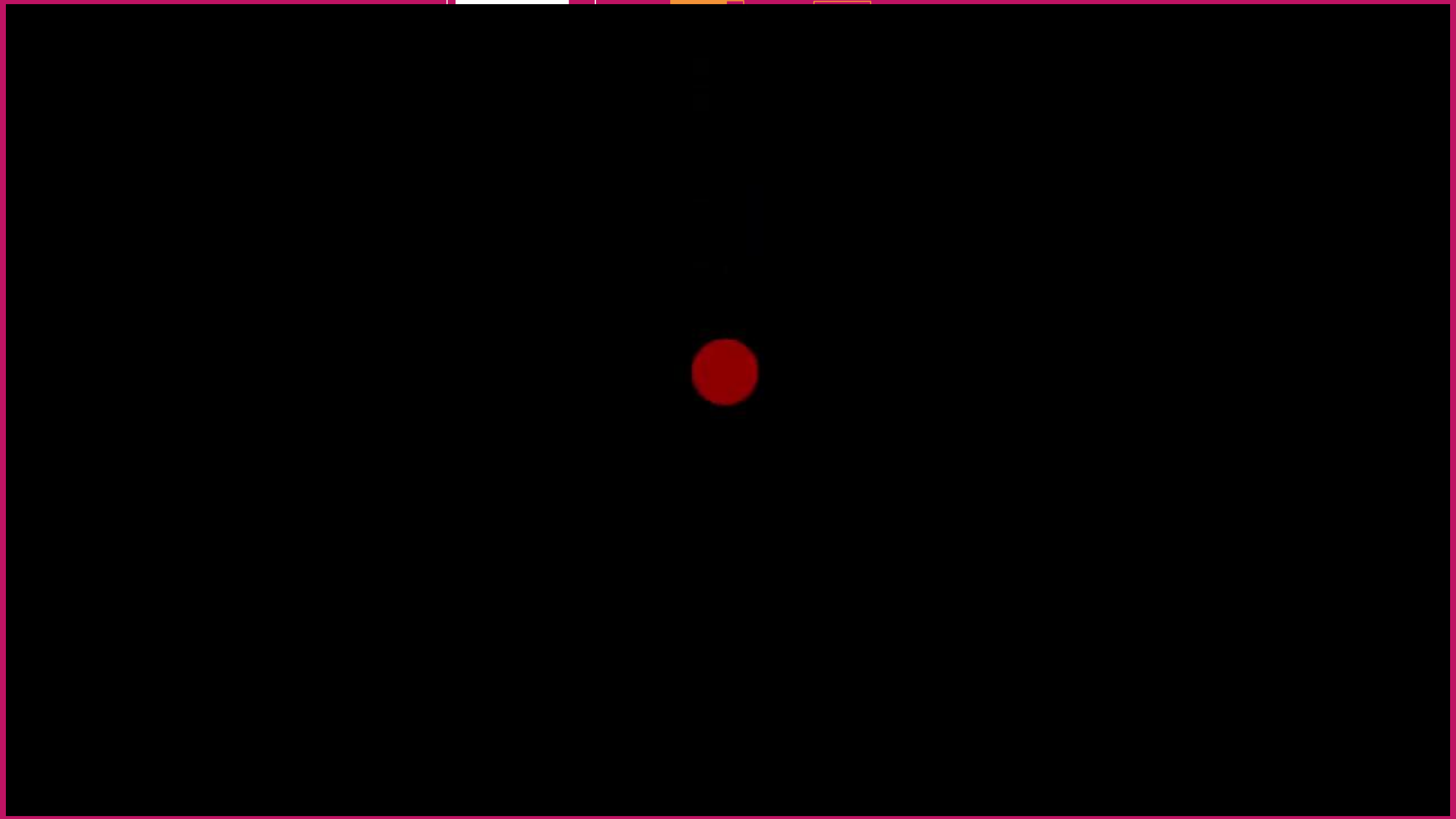

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Part V. A LOOK BACK

- ED TECH IS A VEHICLE TO AUGMENT SKILLS, CONTENT, & STUDENT ENGAGEMENT
- GENERATIVE AI IS A SUBSET OF GENERAL AI
- THREE TYPES OF GENERATIVE AI
- GARDNER'S MULTIPLE INTELLIGENCES THEORY
- TEACHER-FACING AI

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