



The "Magic" of Al in Our Schools

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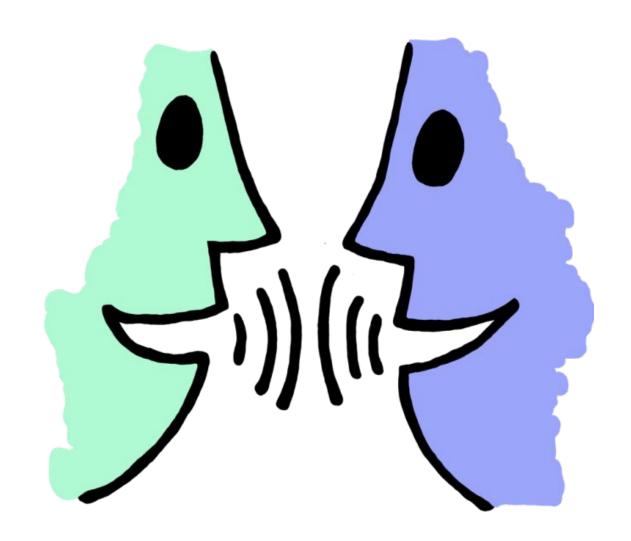
THE LEADING GENERATIVE AI PLATFORM IN EDUCATION

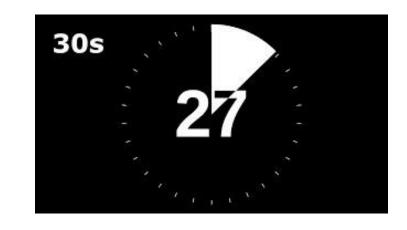
Agenda

- Why, What, & How of MagicSchool Al
- Best Practices for Al in Education
- How to Navigate MagicSchool's Tools
- How to Use MagicSchool's Tools
- How to Modify your outputs
- How to Copy or Export your outputs
- Meet Raina, MagicSchool's Chat Bot
- Scavenger Hunt Explore and Use MagicSchool
- Share out!

Turn and Talk

Share your thoughts with a neighbor.











Take 2 minutes to dump everything you know or have heard about AI (Artificial Intelligence).





VOCABULARY

<u>Generative AI</u>	A type of artificial intelligence (AI) that can create new content based on patterns it learns from existing data.
MagicSchool Al	A platform that takes the power of AI and puts it into students' hands to help them learn to use it responsibly.
Prompt	A question or command you give to a computer or person to produce content.
Input	Information or commands you give to a computer or machine.
Output	The result or answer that comes out after a computer processes the input.



Watch and Learn

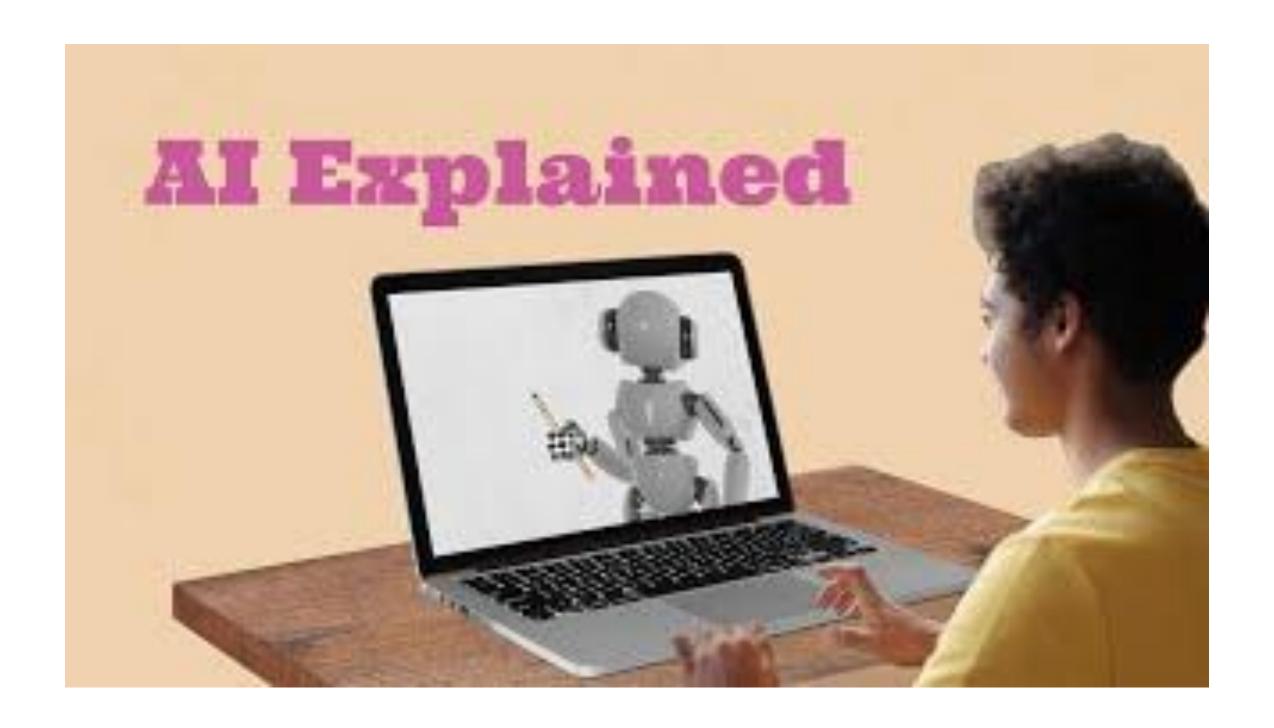
Today we are going to explore AI, specifically Generative AI.

Let's start by watching a short video as we define AI together.





WHAT IS AI?



Watch video and answer the three questions about AI on your handout.



WHAT IS GENERATIVE AI?

A type of artificial intelligence (AI) that can create new content based on patterns it learns from existing data.





Why Is This Important?





The world is changing and Generative AI is likely going to be more and more a part of our lives and work.

2

Generative AI helps solve problems and create new things that can improve our lives if used responsibly.



Learning how to use
Generative AI responsibly
will help enhance your
learning and equip you to
change the world.





- 1. MagicSchool's Al can save educators (you) hours of time, by helping lesson plan, differentiate, communicate with families, and so much more in your daily work!
- 2. Empowers educators (you) to create safe, responsible AI experiences to drive student growth, personalize learning, and more through **building AI skills and competencies**.
- 1. MagicSchool is easy to use so you can get started right away. There is an access point for everyone with no limit to what you can create. We are built by educators, for educators.

What Comes First?



1. Building-wide discussion of AI and how you will use it.

As a faculty, it is important to have open and honest communication about how you as a school are going to address the use of AI in your building.

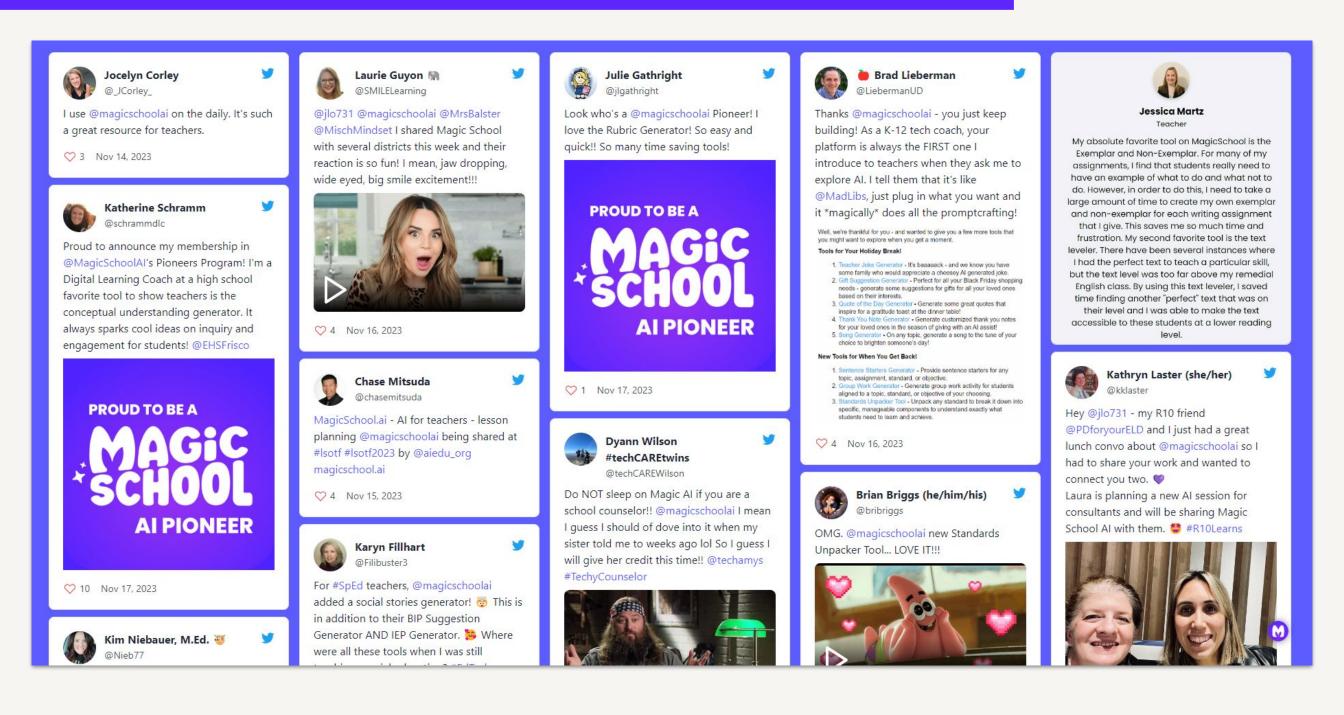
2. Creation of a school-wide AI Policy

Once you've made a decision, work together to create a building-wide AI Use Policy. <u>Sample policy used by Bishop Grimes.</u>

Note: Be aware of equity issues when having these conversations! What message is being sent if teachers are the sole people permitted to use AI and students are "blocked" from AI resources?

Explore the MagicSchool Wall of Love to see how educators are using MagicSchool!

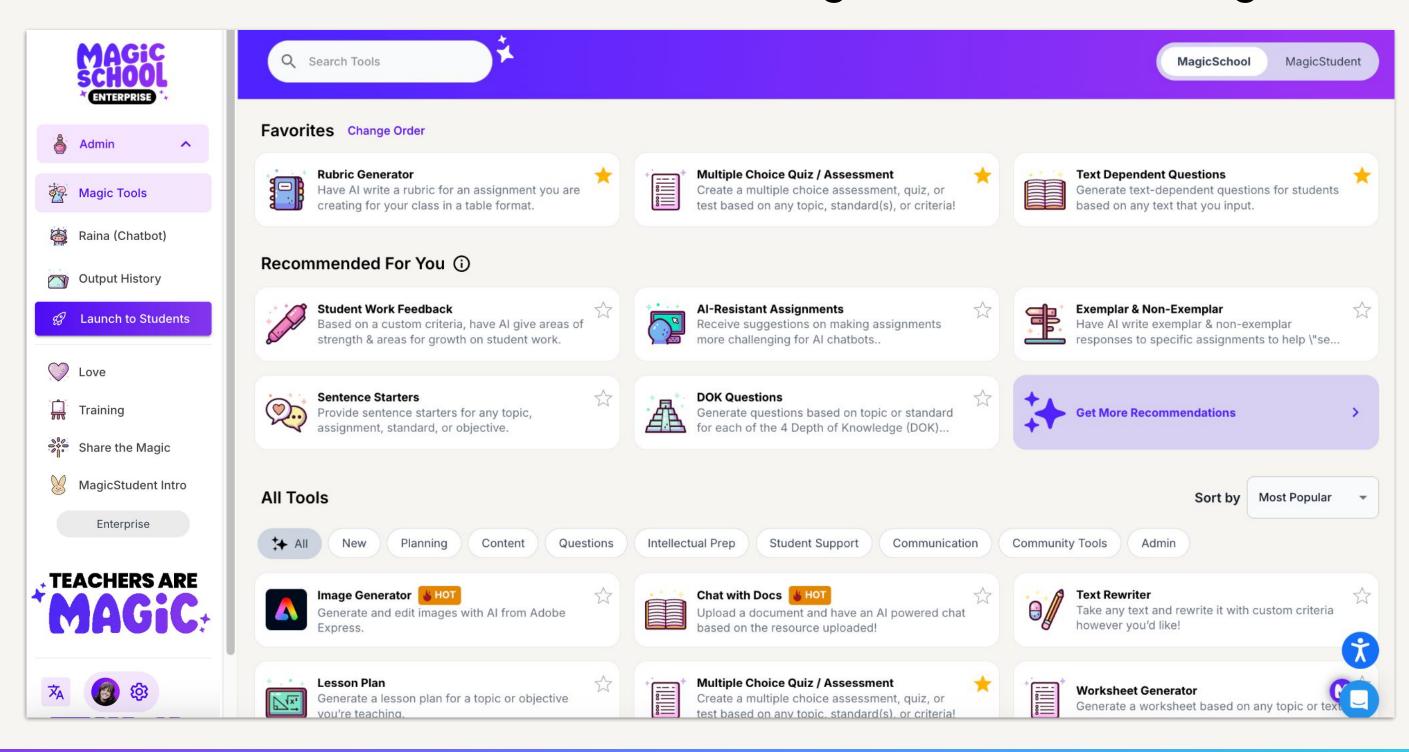




While you explore: What gets you excited about MagicSchool? What do you want to try?

What is MagicSchool?

MagicSchool is a set of 80+ easy to use, Al-powered tools that help lesson plan, differentiate, communicate, and more! Just about anyone who works in a school can find something to love about MagicSchool!



How can MagicSchool's Al Help Teachers?

Create Instructional Materials

Build custom lesson plans, rubrics, and assessments matching your objectives.



Rubric Generator

Have AI write a rubic for an assignment you are creating for your class in a tabl...



Differentiate for Success

Adjust texts and materials to meet students' instructional needs.



Sentence Starters

Provide sentence starters for any topic, assignment, standard, or objective.



Engage Families and Communities

Generate emails and newsletters to communicate with students' families.



Class Newsletter

Generate a newsletter to send to families weekly.



Generate Original Content

Create engaging, relevant, and personalized content for your students.



Academic Content

Generate original academic content customized to the criteria of your choice.



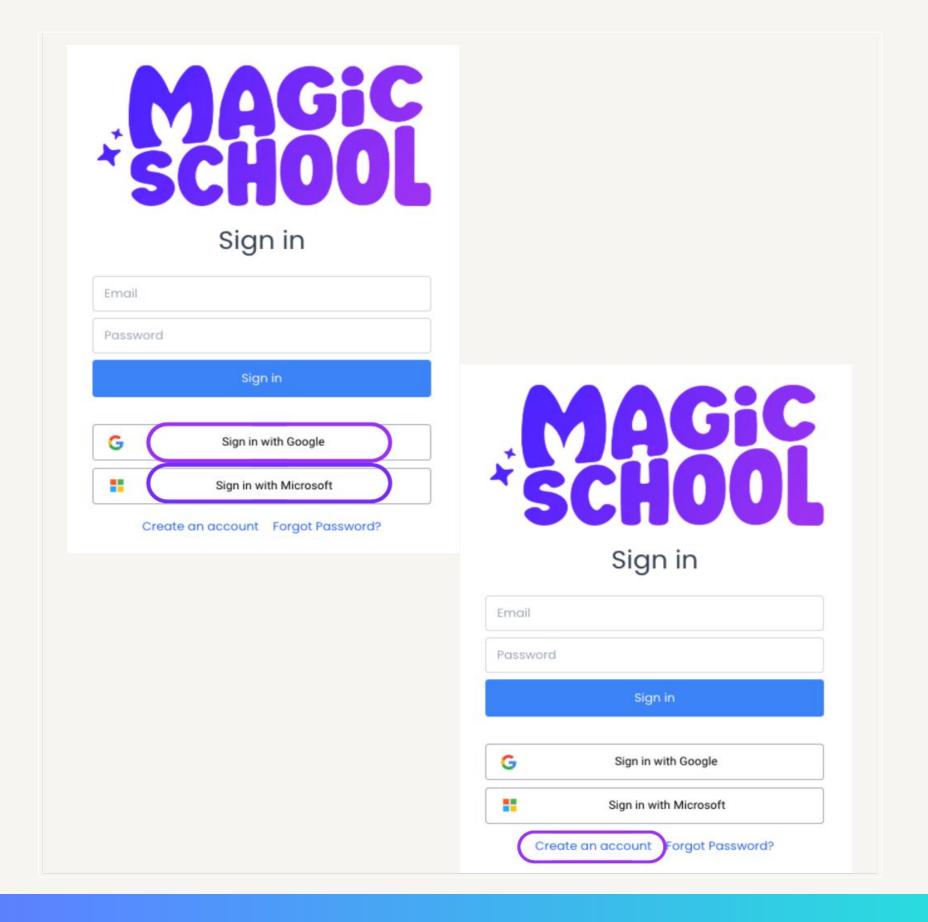
Best Practices for Using Al

- Check for Bias and Accuracy: AI might occasionally produce biased or incorrect content. Always double-check before sharing with students.
- **The 80-20 Approach:** Use AI for initial work, but make sure to add your final touch, review for bias and accuracy, and contextualize appropriately for the last 20%.
- Your Judgement Matters: See Al-generated content as a starting point, not a final solution. Always adhere to your school's guidelines.
- **Know the Limits:** Our Al's knowledge stops on its last training date, so recent topics may not be up to date.
- **Protect Privacy:** Don't include personal student details like names or addresses. We promptly remove any accidentally submitted information.

Getting Started with MagicSchool

Scan the QR below to visit app.magicschool.ai and sign up with Google or Microsoft or click 'Create an account'

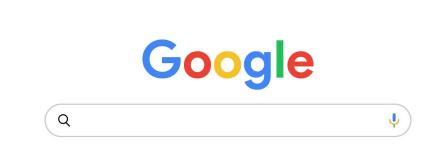




Al Prompting 101

- Most people who have used generative AI tools use them once and never return. Why?
- Prompting is a skill that needs to be honed— and ultimately, is a little counterintuitive to the way we have used the internet previously.

Searching



Effective searches are short, concise and cast a wide net.

Prompting



Effective prompts describe clearly and specifically what you want the LLM to produce

Al Prompting 101

* SCHOOL Guidelines

Examples

Define the role you want the Al to assume.

Begin your prompt with, "You are a master 7th grade science teacher".

Define the task you want the Al to complete.

Create a 5E lesson plan for the introductory lesson to mitosis.

Add important details to make sure that your generation matches the output you are looking for.

This lesson should focus on learning the name of the phases of mitosis as well as the order in which the phases occur.

Al Prompting 101

Try It Yourself

Write a prompt for a task that you would like our AI instructional coach, Raina to help you with using the MagicSchool AI prompting guidelines.

Guidelines:

- 1. Assign Raina a specific role.
- 2. Ask Raina to complete a specific task.
- 3. Include the important details Raina needs to make your output match your needs.





Hello! My name is Raina, your Al instructional coach. You can ask any questions related to best practices in teaching or your work in a school building. Feel free to ask me for ideas for your classroom, research on best practices in pedagogy, behavior management strategies, or any general advice! The more specific your questions, the better my responses will be. How can I help you today?

How can I create an engaging lesson on photosynthesis?	How can I adapt my lessons for students with learning disabilities?
What strategies can I use for managing disruptions in class?	Need ideas for the annual school fair.

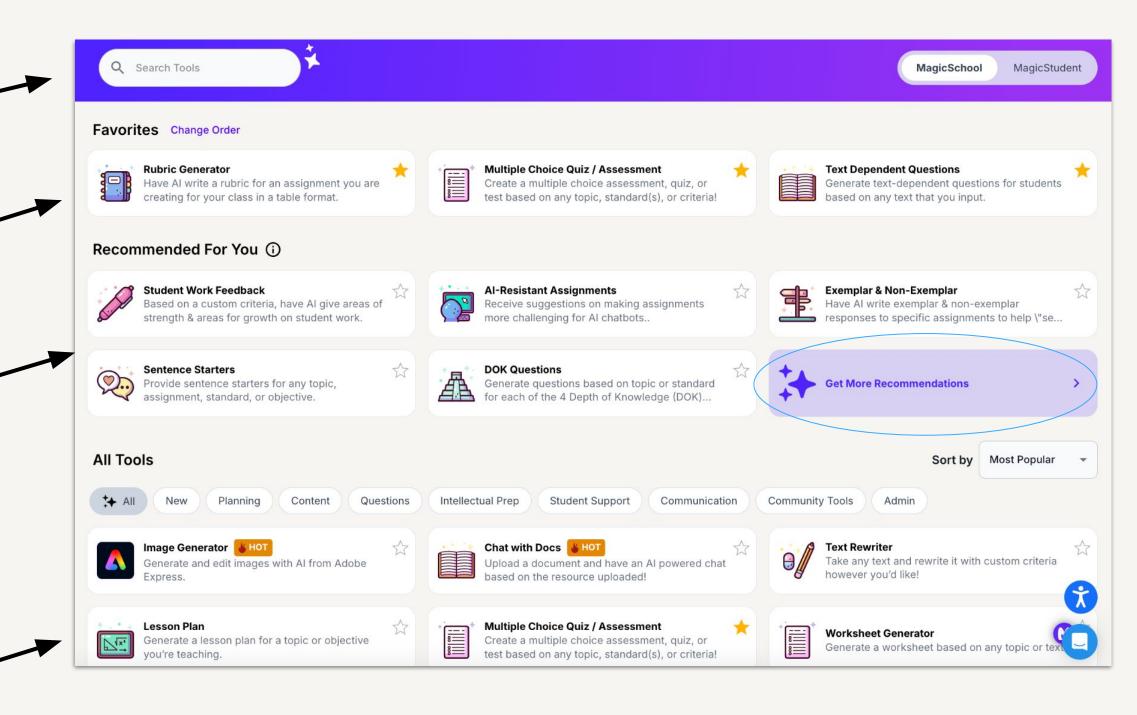
Send a message

Prompts

How to Navigate The MagicSchool Platform

You can navigate the MagicSchool tools by:

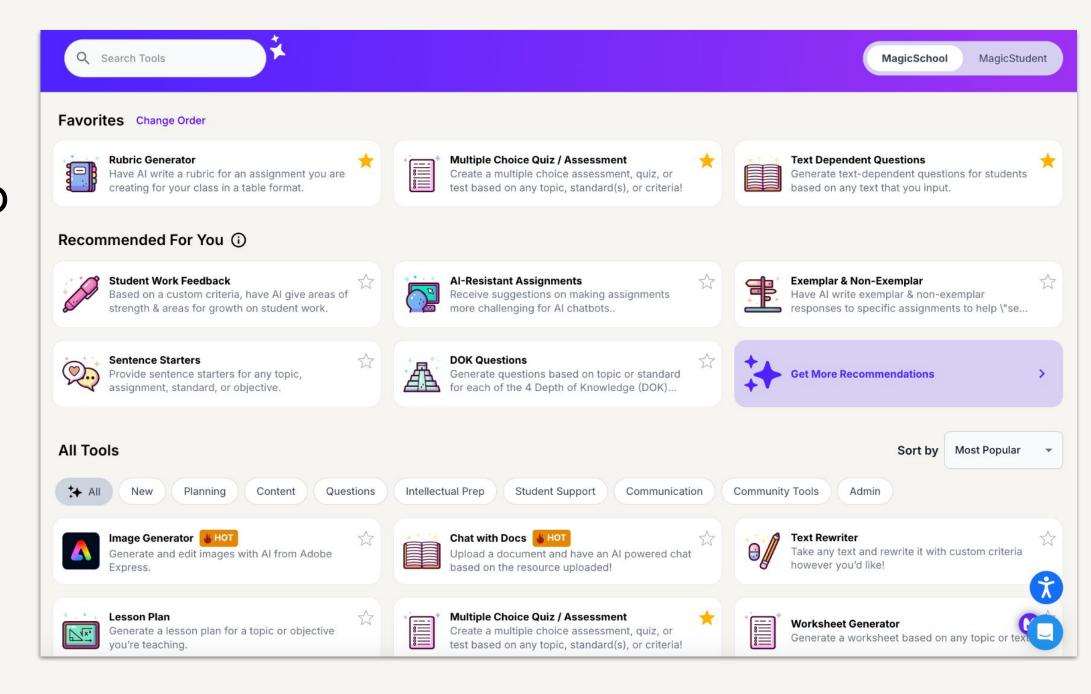
- 1. Search for a tool by name in the search bar.
- 2. Add tools to your favorites by clicking the star.
- 3. View tools by recommendation or category by clicking the category buttons.
- **4. Scroll through the list** of over 70+ tools to discover new tools.



How to Navigate The MagicSchool Platform

Try It Yourself!

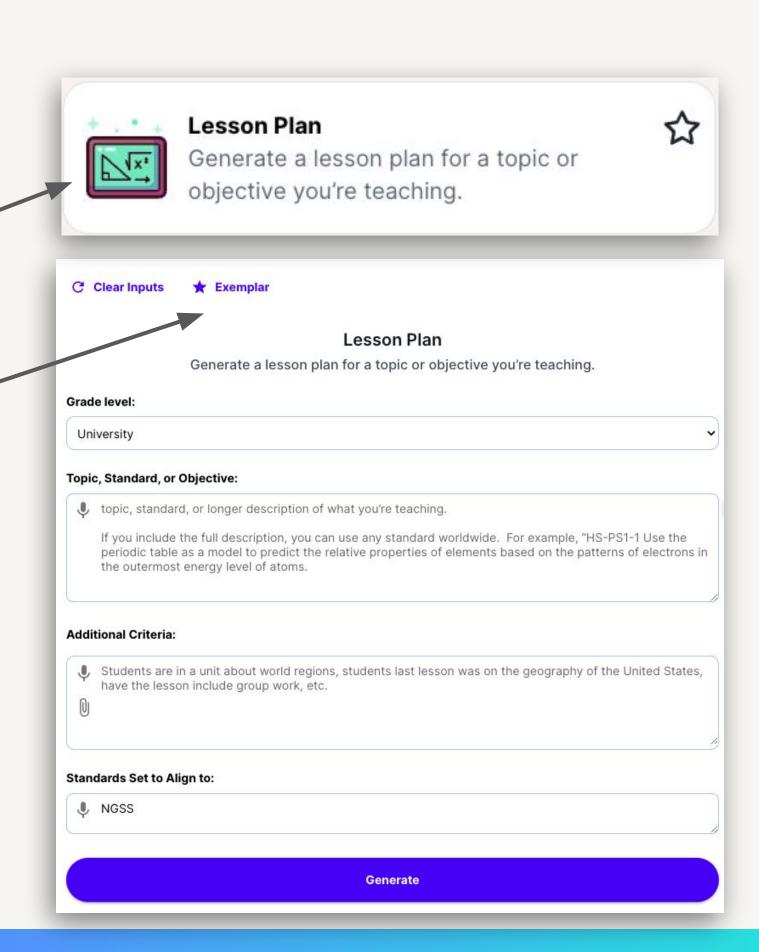
- 1. Click 'Get More Recommendations' to see specific tool suggestions.
- 2. Use the categories buttons to view tools that interest you.
- 3. Add a few tools to your favorites by clicking the star.
- 4. Try the Search bar.
- 5. Scroll through the list of over 70+ tools to discover new tools you might want to add to your favorites.



The fastest way to learn how to use a MagicSchool tool is to look at the Exemplar for that tool.

Step 1: Open a tool you are interested in exploring.

Step 2: Click the "Exemplar" button to see an example of inputs and outputs to see how it works!



The fastest way to learn how to use a MagicSchool tool is to look at the Exemplar for that tool.

Step 3: Review the Outputs from the exemplar prompt.

Step 4: Identify strengths and areas for growth for the exemplar prompt and output.

Plant Cells vs. Animal Cells: A Comparative Study

Plant Cells vs. Animal Cells: A Comparative Study

Objective

Students Will be able to compare and contrast the characteristics of plant cells and animal cells, identifying the key differences between the two types of cells.

Assessment:

Students will complete a Venn diagram activity comparing and contrasting plant cells and animal cells, highlighting at least five differences and three similarities between the two cell types.

Key Points:

- Structure and function of plant c
- Structure and function of animal
- Differences between plant and a and vacuoles
- Similarities between plant and ar

Opening:

The lesson will begin with a brief dithe differences between plant cells "Do Now" activity where they will reknew about plant cells and animal of between the two?

Introduction to New Material:

The key points will be presented the diagrams, and real-life examples. O belief that all cells are the same.

Guided Practice:

During the guided practice, student comparing and contrasting plant an student performance by circulating probing questions to ensure unders

Independent Practice:

Students will complete an independent assignment where they will create a model of a plant cell and an animal cell, labeling the key organelles and structures as assignment will demonstrate their mastery of the objective.

Closing:

For the closing activity, students will participate in a class discussion summarizing the key differences and similarities between plant cells and animal cells. They will also share one new thing they learned during the lesson.

Suggested Differentiation:

For students who are behind grade level, provide additional visual aids and simplified graphic organizers to support their understanding. Offer one-on-one or small group instruction as needed.

Extension Activity:

For early finishers, provide the opportunity to research and create a presentation on specialized plant or animal cells, such as root hair cells or nerve cells.

Homework:

Students will be assigned a homework activity to create a creative poster highlighting the differences and similarities between plant cells and animal cells, including real-life examples or applications.

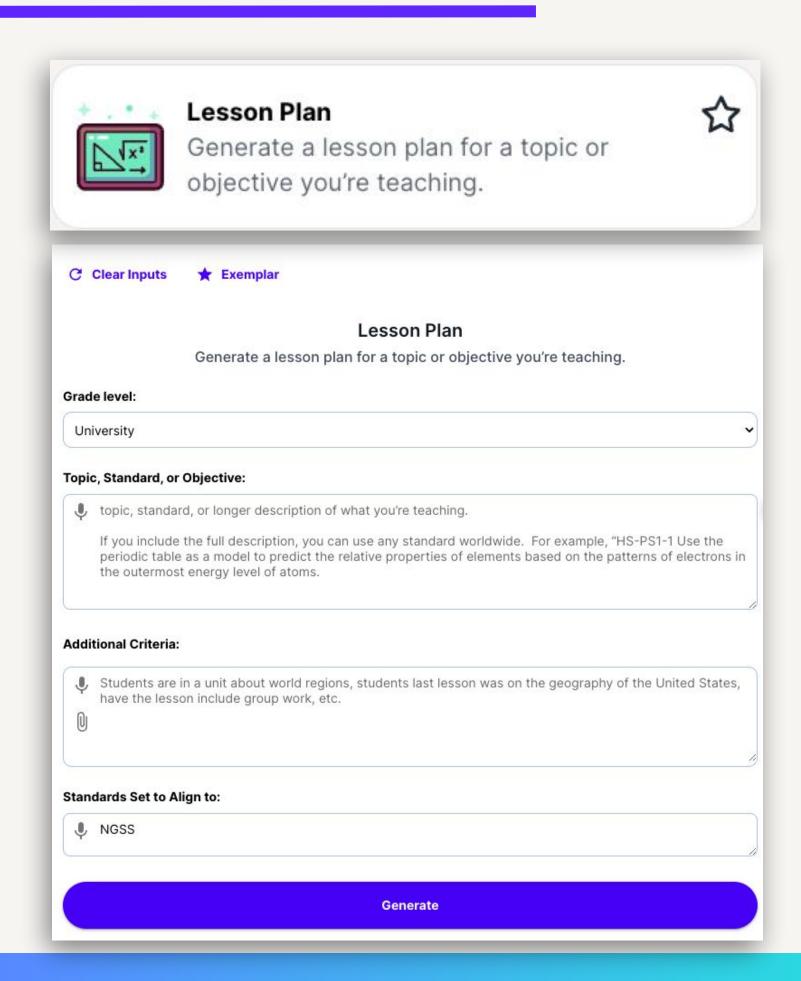
Standards Addressed:

- NGSS Standard: MS-LS1-2 Develop and use a model to describe the function of a cell as a whole and ways parts of cells contribute to the function.
- NGSS Standard: MS-LS1-5 Construct a scientific explanation based on evidence for how environmental and genetic factors influence the growth of organisms.

Try It Yourself!

Part 1:

- 1. Choose a tool you want to learn more about.
- 2. Click the Exemplar button to see an example of inputs and outputs.
- 3. Identify strengths and areas for growth for the exemplar prompt and output.

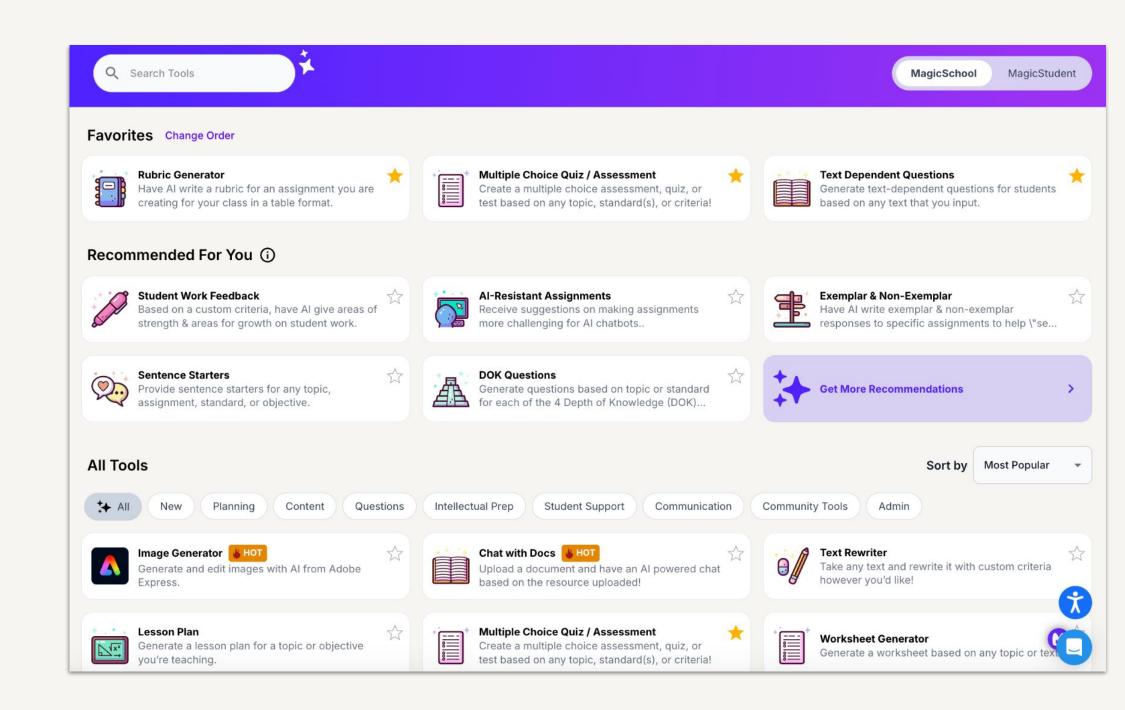


Try It Yourself!

Part 2:

- 1. Choose a tool you want to try out.
- 2. Generate your own output by filling in the fields for that tool.
- 3. Identify strengths and areas for growth for the output you generated.

Stop There! We will use your output in the next Try It Yourself.



How to Modify Your Outputs

Modify your outputs with the Actions bar at the bottom of your generation.

- 1. Get a Summary of your output.
- 1. Change the Length of your output.
- 1. Generate Questions associated with your output.
- 1. Translate your outputs to the language of your choice.
- 1. Use the **Raina Chat Bar** to explore more ways to customize your outputs.

Extension Activity:

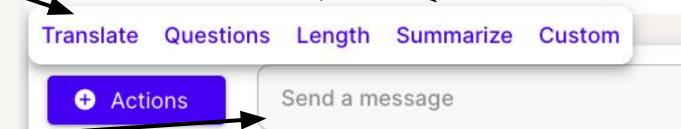
For students who finish early, provide them with additional animal cards and challenge them to create a more complex food web with interconnected chains. They can also research and present examples of real-life food webs from different ecosystems.

Homework:

As a homework activity, ask students to observe a local ecosystem such as a park or garden and create a simple food web based on their observations. They should identify at least three organisms and their roles (producer, consumer, or decomposer) within the ecosystem.

Standards Addressed:

- NGSS Standard: MS-LS2-2: Construct an explanation that predicts patterns of interactions among organisms in an ecosystem.
 - NGSS Crosscutting Concept: Systems and System Models: Students will analyze how food webs





How to Modify Your Outputs

Try It Yourself!

Use the output you generated in the last Try It Yourself and...

- 1. Translate your output into a language you might need for some of your students.
- 2. Use one of the Actions to modify your outputs.
- 3. If you have time-Use the Raina Chat Bar to modify your output in a different way.

Extension Activity:

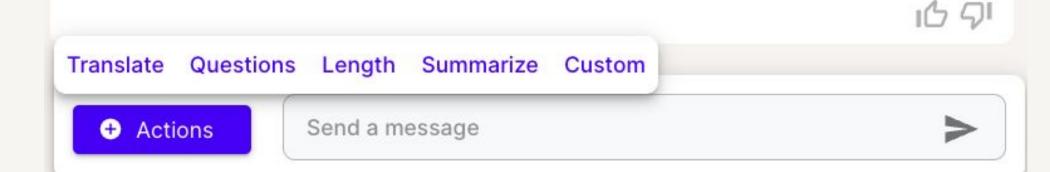
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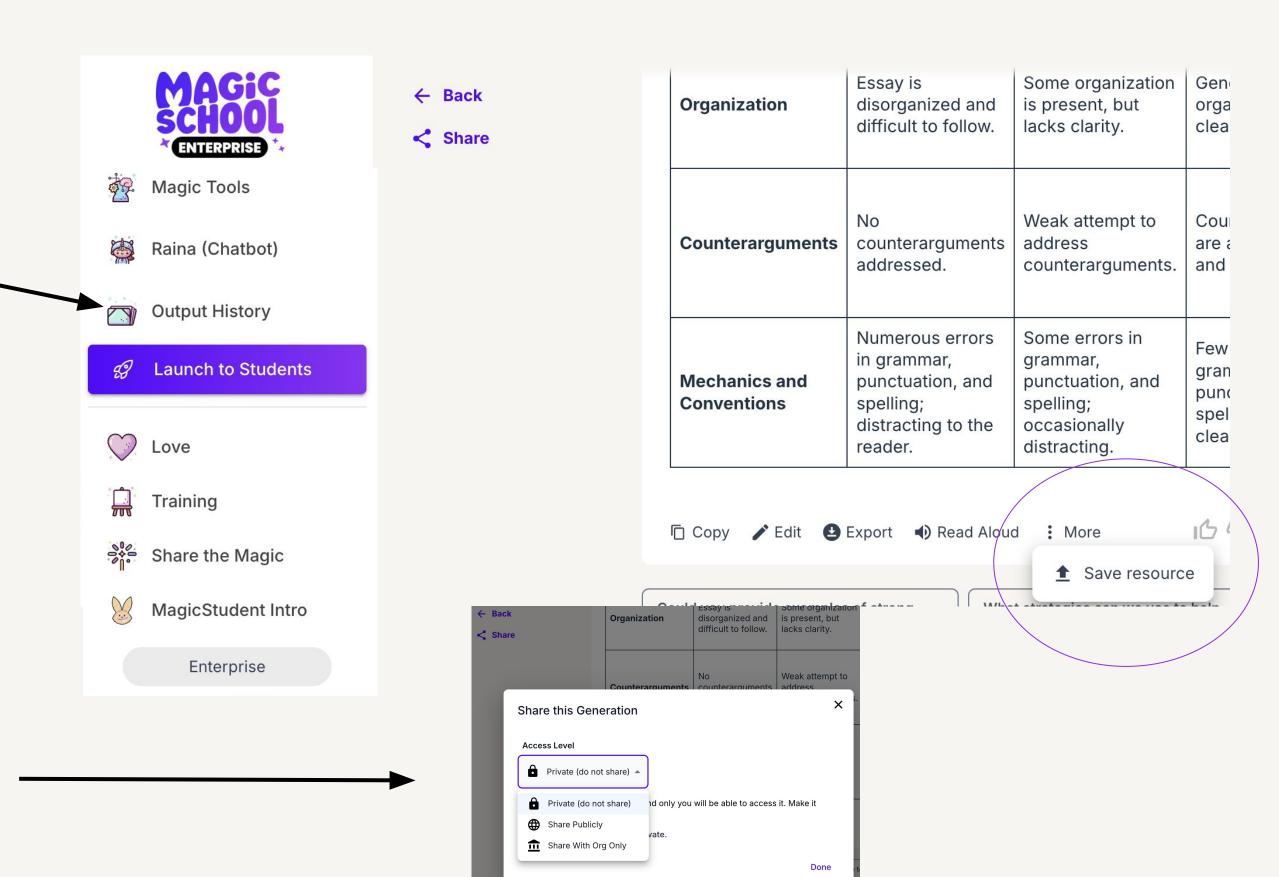
- NGSS Standard: MS-LS2-2: Construct an explanation that predicts patterns of interactions among organisms in an ecosystem.
- NGSS Crosscutting Concept: Systems and System Models: Students will analyze how food webs



Saving & Sharing Outputs

You can Save or Share your outputs by...

- 1. Your outputs automatically save to **Output History** or you can **Save** in real time with your own naming conventions.
- 1. Share your output to any MagicSchool user or those in your organization.

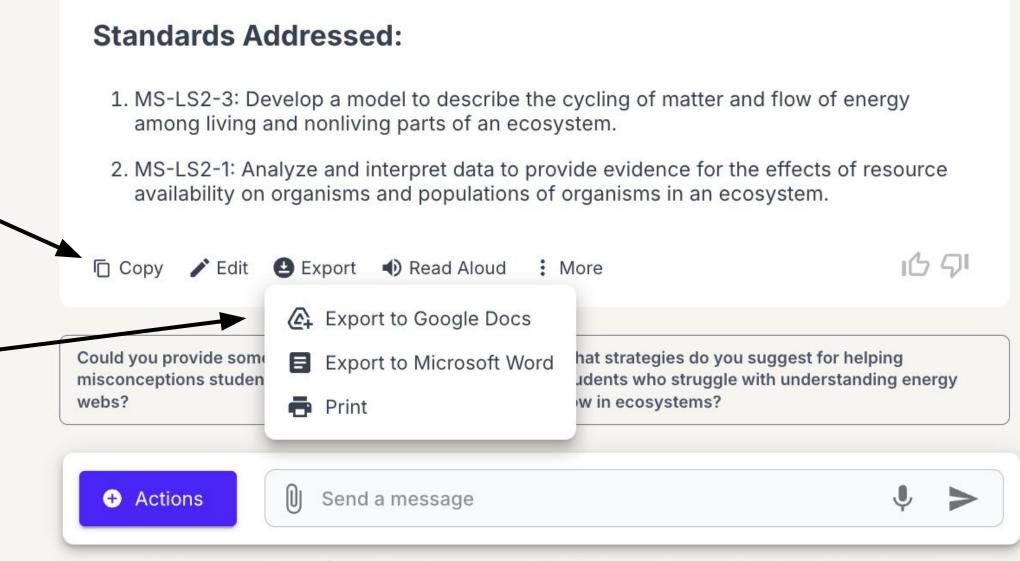


How to Copy or Export Your Outputs

You can Copy or Export your outputs by...

1. Copy your outputs to your clipboard so you can paste them anywhere you like.

1. Export your output to many different platforms.



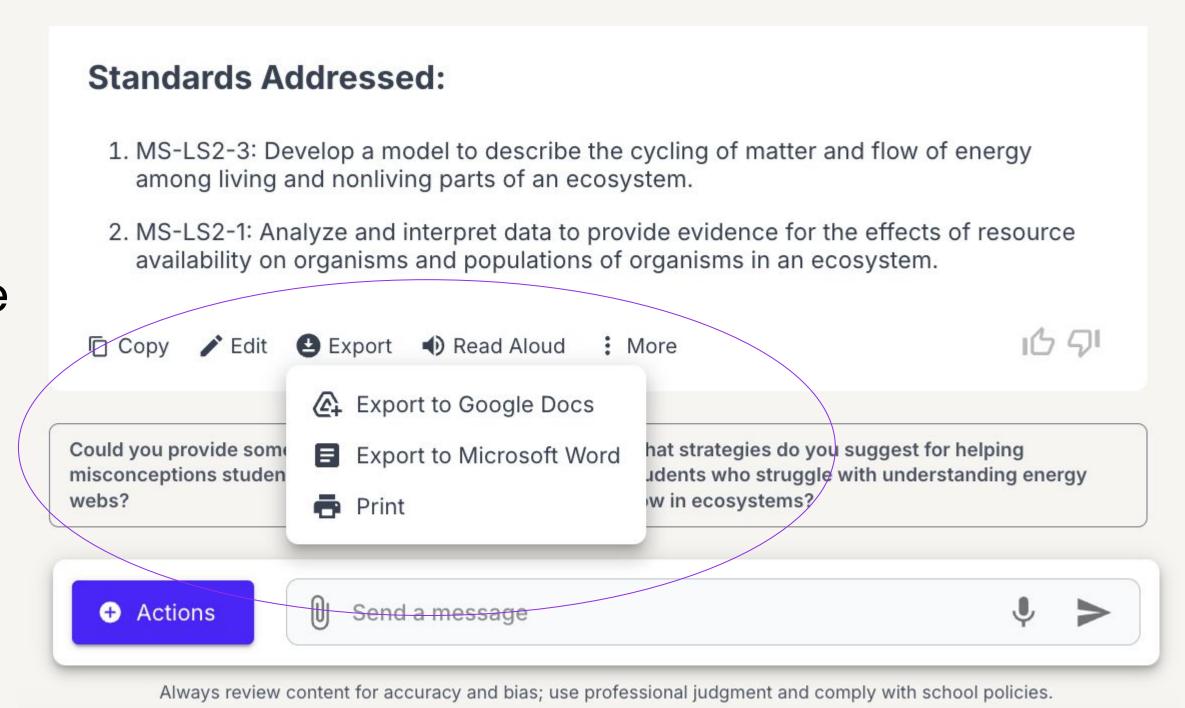
Always review content for accuracy and bias; use professional judgment and comply with school policies.

How to Copy or Export Your Outputs

Try It Yourself!

Copy or Export your outputs.

- 1. Copy your outputs to your clipboard and paste it into a document of your choice.
- 2. Export your outputs to the platform of your choice.



Meet Raina

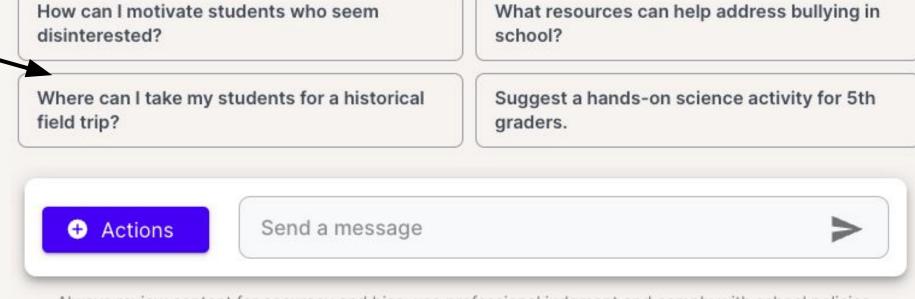
Raina is your Al instructional coach. She's been trained on best educational practices and is here to offer advice, ideas, and more for your classroom.

Explore Raina's suggestions





Hello! My name is Raina, your Al instructional coach. You can ask any questions related to best practices in teaching or your work in a school building. Feel free to ask me for ideas for your classroom, research on best practices in pedagogy, behavior management strategies, or any general advice! The more specific your questions, the better my responses will be. How can I help you today?



Always review content for accuracy and bias; use professional judgment and comply with school policies.

For All Teachers

Rubric Generator

Build an assignment rubric with ease.

Academic Content Generator

Create custom content for your class to match the topic and criteria of your choice.

Email Responder

Reply to emails in a personal and timely manner.

Al-Resistant Assignment Suggestions

Receive suggestions on making assignments more challenging for AI chatbots, promoting higher level thinking among students.

Tip!

Use the "Copy/Paste" icon to copy to Google Doc or Microsoft Word with formatting.

For Back-to-School

Syllabus Generator

Provide basic class details and you'll have a tailor-made syllabus, saving time and ensuring critical information is covered.

Class Newsletter Tool

Input your updates, and the tool will help you organize them into a straightforward newsletter format.

Text Dependent Questions

Input any text and get a set of text-dependent questions crafted for it.

Teacher Joke Generator

A fun way to add a little humor to your teaching day!

For Science Teachers

• Three Dimensional Science Assessment Generator

Write a three dimensional science assessment using NGSS standards.

• <u>5E Model Science Lesson Plan Generator</u>

Generate a 5E (Engage, Explore, Explain, Elaborate, Evaluate) model lesson plan for your science class.

Multiple Explanations for Complex Concepts

Produce a few clear explanations of concepts that you're teaching in class to help student understanding.

For Math Teachers

Math Spiral Review Generator

Provide students with an opportunity to practice skills they've mastered and reinforce skills they still need to work on.

Math Story Word Problems

Write a custom math word / story problem based on the concept you're teaching and a story topic.

Data Table Analysis Generator

Generate a table with data of your choice with associated analysis questions.

Make it Relevant!

Make what you're teaching relevant to your class based on their interests and background.

For Special Educators

IEP Suggestion Generator

Generate suggestions for students who have an individualized education program (IEP).

Accommodation Suggestion Generator

Generate a list of 5-10 accommodations for a student who needs support, has a 504 plan, IEP, or BIP.

Text Leveler Tool

Adapt any text for any grade level to fit a student's reading level / skills.

Text Scaffolder Tool

Support readers who are behind grade level or need extra support by defining tier 2 & 3 vocabulary and generating questions for any text.

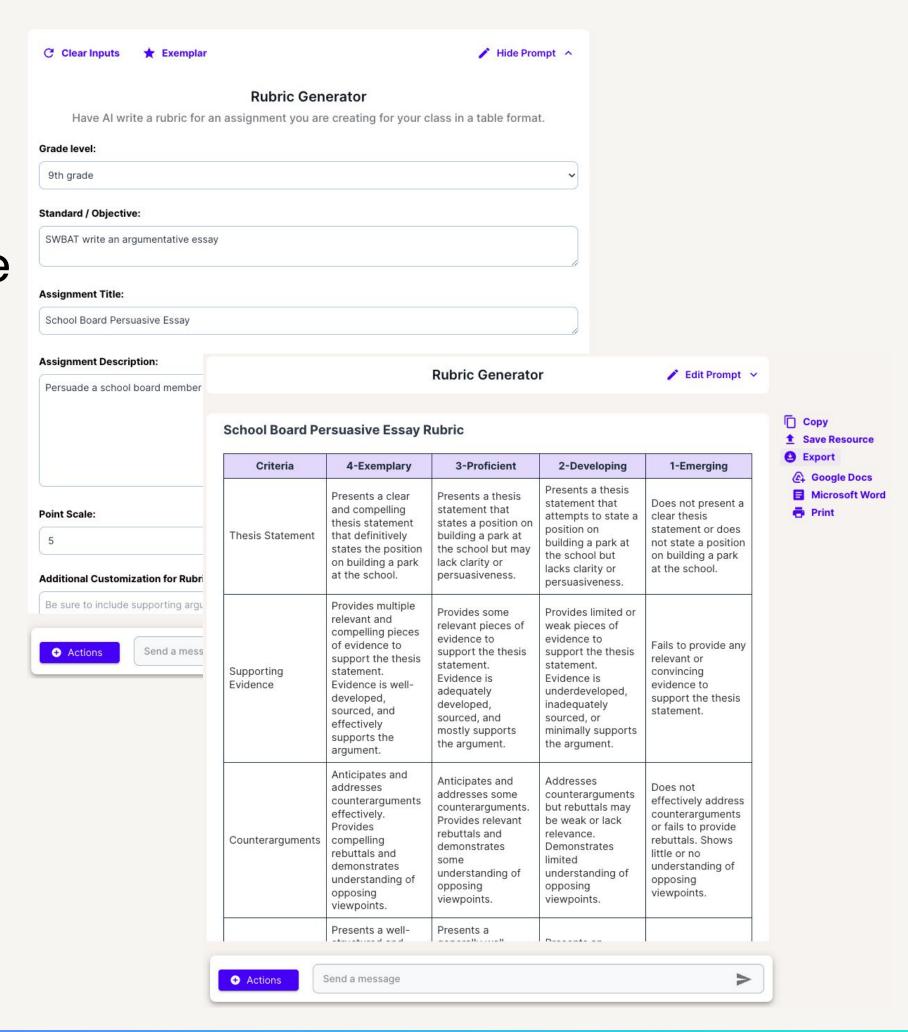
MAGIC TOOL

Rubric Generator

Build an assignment rubric with ease by entering your <u>assignment details</u> and preferences. Then click "Generate."

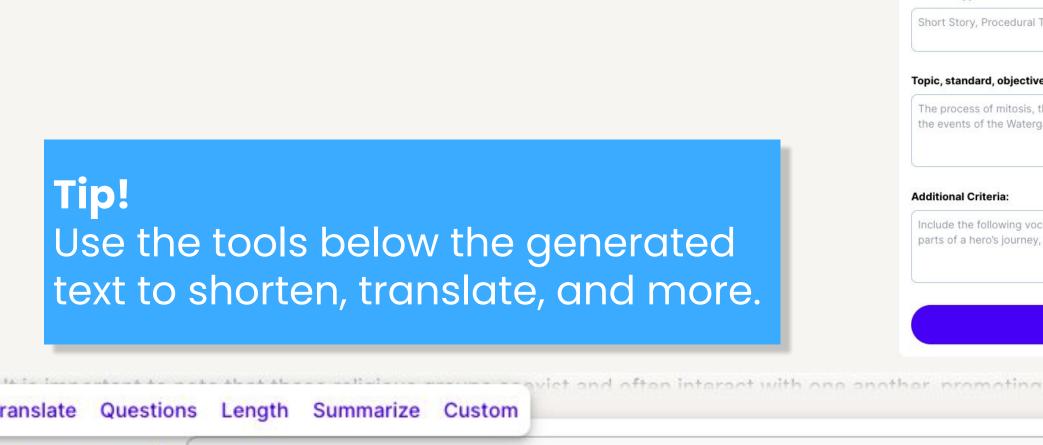
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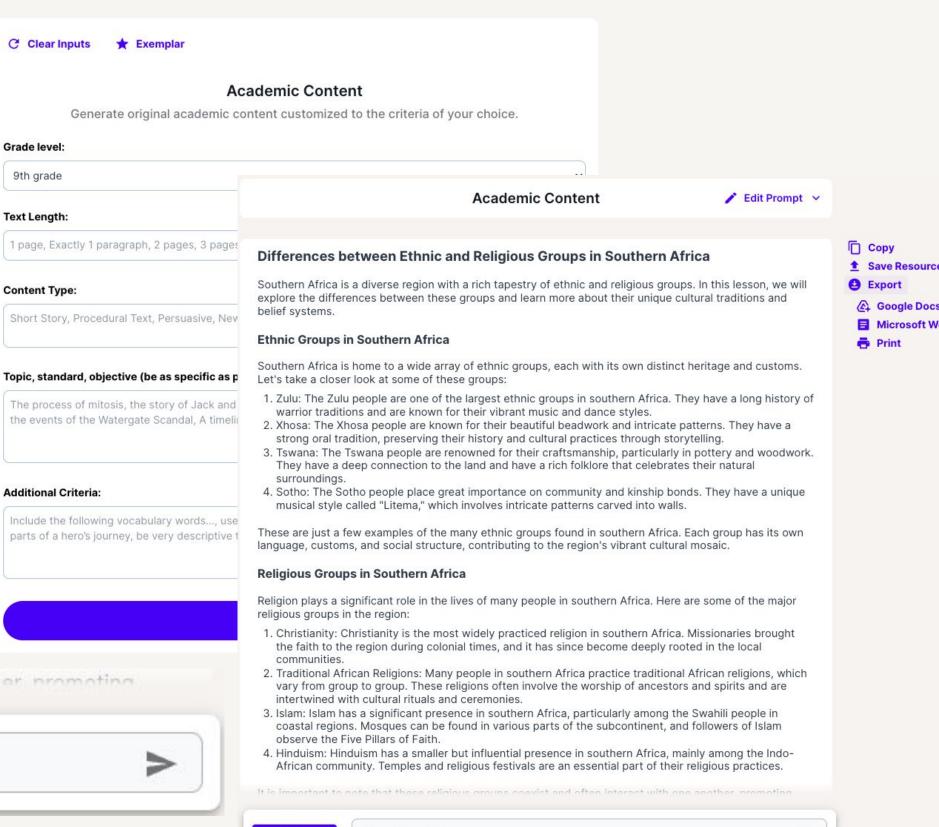
Academic Content Generator

Create custom content for your class to match the topic and criteria of your choice.



Send a message

Actions



Send a message

♠ Google Docs

Print

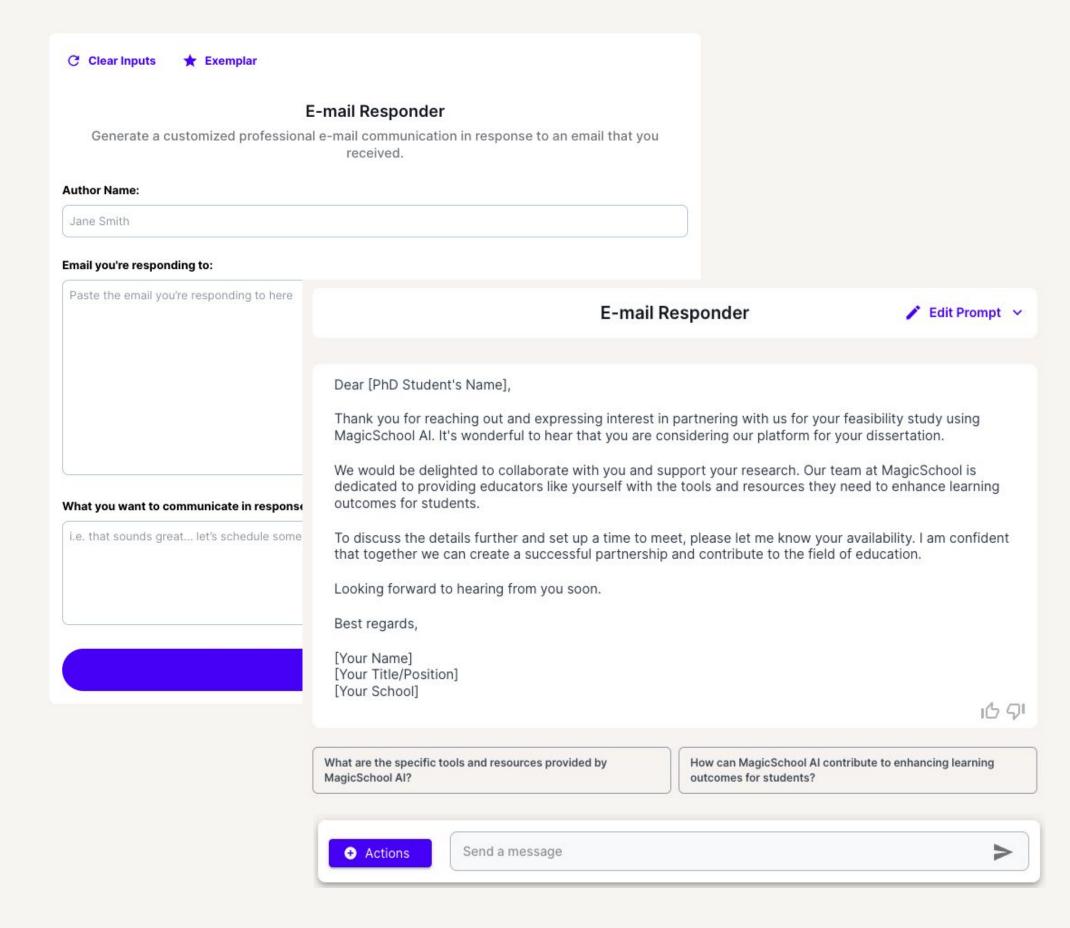
MAGIC TOOL

Email Responder

Reply to emails in a personal and timely manner, citing the original email.

Tip!

Translate your response to help communicate with students' families in their language.

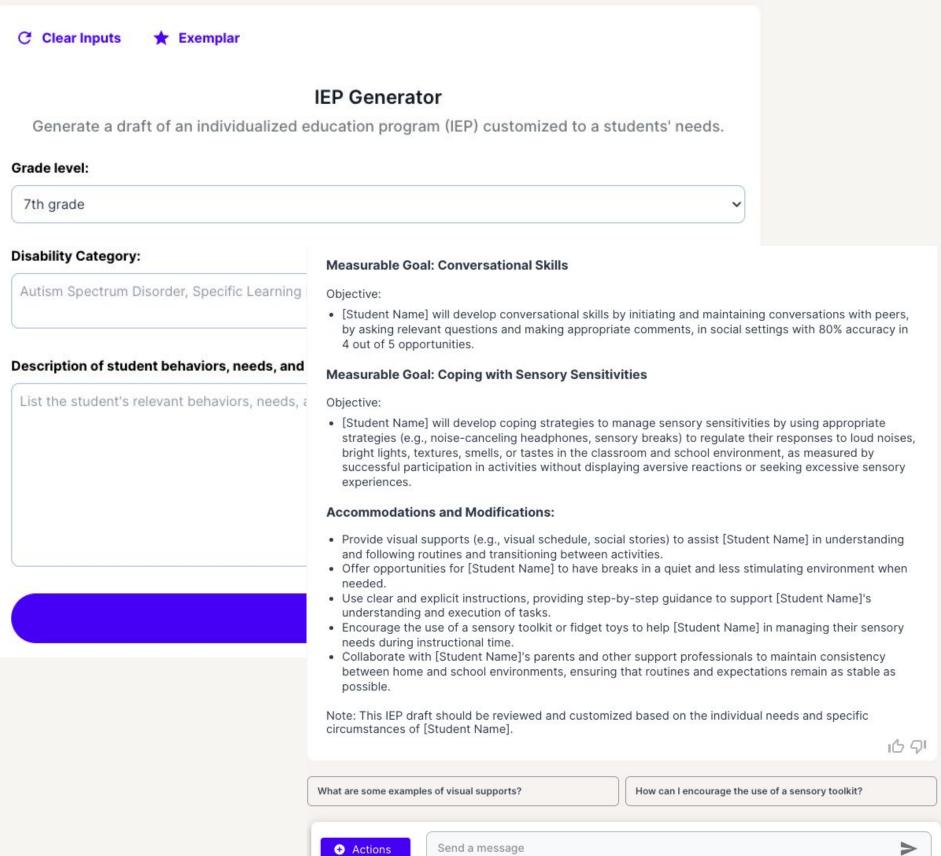


IEP Suggestion Generator

Create a draft of an IEP complete with PLP, goals and accommodations.

Tip!

Don't include student personal identifying information, but be specific about behaviors for best outputs!.



Scavenger Hunt

- Explore and favorite tools that would save you the most time on a typical day
- ☐ Find at least 3 different tools that you want to use, view the exemplar and then try it yourself!
- ☐ Find a tool that will help you support students with varying abilities.
- ☐ Find a tool that can make you laugh.

Bonus Points: Share a joke or song you generated with our song or joke generators!

Why MagicSchool Al?

- 1. Teachers are overworked and burnt out. More than four in ten K-12 teachers in the U.S. (44%) say they "always" or "very often" feel burnt out at work—outpacing all other industries nationally. (Gallup)
- **2. MagicSchool's Al can save you hours of time**, by helping lesson plan, differentiate, communicate with families, and so much more!
- 3. MagicSchool is the leading AI platform for educators with over 1 million+ users and growing!
- 4. MagicSchool is easy to use so you can get started right away.

Share out!

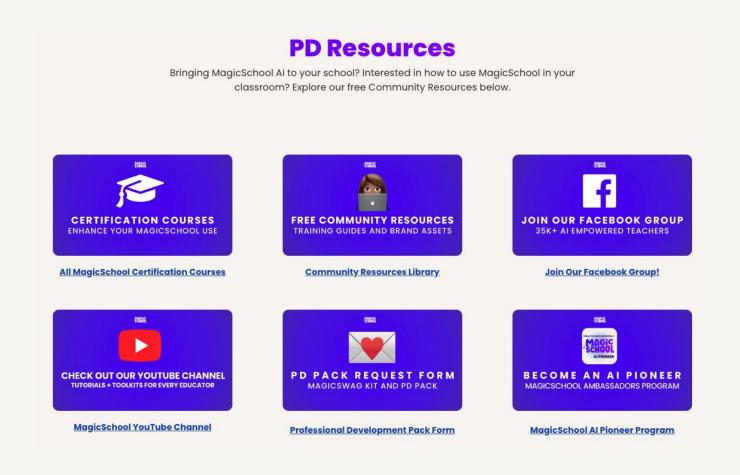
Share your favorite tools!
What are you most excited to use in the coming weeks?
Sing your song or tell a joke!





Thank you for all you do for students!

Find even more resources including a certification course, Al pioneers ambassadors program, Facebook group, YouTube tutorials and more on our resources page!



Link: https://www.magicschool.ai/professional-development