



GOALS 

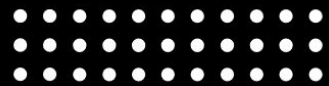
 ***PLAN SMARTER**

***SAVE TIME**

***LEARN MORE**

 **REMINDERS** 

PROMPTS MATTER!



**FIRST EDITION
VERSION 1.1**

**COMPILED BY:
RACHEL KENT**

CHAPTERS

- 1 WHAT IS AI?**

- 2 AI FOR ED**

- 3 MAGICSCHOOL**

- 4 DIFFIT**

- 5 CURIPOD**

- 6 SCHOOLAI**

- 7 EDUAIDE.AI**

- 8 CANVA**

- 9 GIBBLY**

- 10 SUNO**

READINGS



Welcome to AI Tech Tools for Teachers

Welcome to an introductory guide on AI tools for teaching and planning!

In today's rapidly evolving educational landscape, integrating artificial intelligence (AI) into teaching methodologies has become increasingly imperative. Planning, a fundamental skill across disciplines, lays the groundwork for effective learning experiences.

Adding a virtual assistant to your work day can be a great help in managing the daily tasks required to be ready for classroom instruction and save time doing the myriad of professional duties asked of educators.

Written with the assistance of AI.

Ai Tech Tools for Teachers explores three AI-powered tools specifically designed to save teachers time.

Also included in this guide are additional readings on Artificial Intelligence in Education for further study as well as resources that will help you to leverage AI more efficiently in your daily practice.

Each of the blue link icons in this document are clickable and will take you directly to the tool indicated. Bookmark this guide and use it during planning to quickly navigate to the tool you need.

This guide will be updated and improved as additional tools and trainings are developed.

With appreciation for the hard work of teachers everywhere,

RACHEL KENT

NYS TEACHER



[Connect with Rachel on LinkedIn](#)



Compiled

A Note About the Use of This Guide

First Edition

AI Tech Tools for Teachers:

Entry Level AI Tools for Teachers

LAST UPDATED 3/11/2024

VERSION 1.1

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If an author or creator of a linked resource wishes for it to be removed from this guide, please contact Rachel Kent on LinkedIn.



AI did assist with authorship where indicated on applicable passages.
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Chapter 1: What is AI?

AI and Education

Artificial Intelligence (AI) encompasses the development of computer systems capable of performing tasks that typically require human intelligence, such as learning, reasoning, problem-solving, and language understanding.

In education, AI technologies offer a wide array of tools and applications designed to enhance teaching and learning experiences. These include adaptive learning platforms that tailor content to individual student needs, intelligent tutoring systems that provide personalized support, automated grading systems, and data analytics tools for gaining insights into student performance.

By leveraging AI, educators can create more engaging and effective learning environments, cater to diverse student needs, and streamline administrative tasks, ultimately fostering improved academic outcomes for all learners.

Written with assistance from AI



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Chapter 1: What is AI?

How does Artificial Intelligence Work?

For those curious about the inner workings of artificial intelligence (AI) systems, it's helpful to understand that AI relies on complex algorithms and computational models inspired by the structure and function of the human brain. At its core, AI systems process vast amounts of data through machine learning algorithms, enabling them to recognize patterns, make predictions, and generate insights autonomously. This is often achieved through techniques such as neural networks, which are composed of interconnected nodes that mimic the neurons in the human brain.

Through training on labeled datasets, AI systems learn to recognize features and correlations within the data, allowing them to perform tasks ranging from image recognition to natural language processing. Deep learning, a subset of machine learning, has emerged as a powerful approach within AI, particularly for tasks requiring high-level abstraction and complex decision-making.

Additionally, AI systems may incorporate other techniques such as reinforcement learning, where agents learn through trial and error in dynamic environments. By understanding the fundamental principles behind AI technology, educators can better grasp its potential applications in the classroom and its implications for teaching and learning.

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Chapter 1: What is AI?

Artificial Intelligence: Empowering Education

Artificial Intelligence (AI) represents a transformative force in education, offering unparalleled opportunities for personalized learning, efficiency, and innovation. To understand the "how" and "why" of AI, it's essential to delve into its development and impact.

The "How" of AI:

AI is the culmination of decades of research, marked by significant milestones:

1950s-1960s: The birth of AI as a field, characterized by early explorations into problem-solving and symbolic reasoning.

1980s-1990s: Rapid advancements in machine learning and neural networks laid the groundwork for contemporary AI applications.

2000s-2010s: Big data proliferation and computational power boosts fueled breakthroughs in deep learning, enabling AI systems to learn from vast datasets and mimic human cognition more effectively.

2020s: Advancements in natural language processing (NLP) and generative AI led to the development of sophisticated AI writing assistants and educational content generators. Continued progress in AI ethics, interpretability, and human-AI collaboration paved the way for widespread adoption across various domains.

2023: Debut of AI generators capable of producing high-quality educational materials, ranging from lesson plans to essays, empowering educators with valuable resources and reducing their workload.



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Chapter 2: AI in Education

How AI Tech Tools for Teachers Can Help

AI tools offer invaluable support for teacher planning and preparation, revolutionizing the way educators approach curriculum design, lesson planning, and administrative tasks. These tools leverage machine learning algorithms to automate repetitive tasks, provide personalized recommendations, and generate insights from data, enabling educators to optimize their instructional strategies and save significant time and effort.

For instance, AI-powered platforms can analyze student performance data to identify areas of strength and weakness, suggest tailored learning activities, and generate adaptive lesson plans that cater to individual student needs. Research conducted by organizations like the RAND Corporation has demonstrated the potential of AI tools to streamline teacher workload and enhance productivity.

According to a RAND study, teachers in the United States spend an average of 12 hours per week on lesson planning and preparation, but AI-driven solutions have the potential to reduce this time by up to 20%, allowing educators to allocate more time to personalized instruction and student support.

By harnessing the power of AI tools for teacher planning, educators can optimize their instructional practices, improve student outcomes, and cultivate more engaging and effective learning environments, while achieving a better home/work life balance.

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Chapter 2: AI in Education

The "Why" of AI in Education:

AI offers compelling benefits for educators:

-Personalized Learning: AI-powered adaptive learning platforms tailor educational content to individual student needs, fostering better engagement and understanding.

-Efficiency: Automated grading, lesson planning, and administrative tasks free up educators' time, allowing them to focus on higher-order teaching activities and student support.

-Accessibility: AI-driven tools can assist students with disabilities, providing tailored interventions and accommodations to enhance their learning experience.

-Data-Driven Insights: AI analytics generate actionable insights from student performance data, enabling educators to identify trends, intervene proactively, and optimize teaching strategies

In summary, AI holds immense promise for revolutionizing education by personalizing learning experiences, streamlining administrative tasks, and providing actionable insights. Educators embracing AI stand to benefit from its transformative potential, enhancing teaching efficacy and student outcomes in the process.



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Chapter 2: AI in Education

The "Why" of AI in Education:

AI offers compelling benefits for educators:

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In summary, AI holds immense promise for revolutionizing education by personalizing learning experiences, streamlining administrative tasks, and providing actionable insights. Educators embracing AI stand to benefit from its transformative potential, enhancing teaching efficacy and student outcomes in the process.



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Chapter 3:

Magic School is a comprehensive set of tools to assist teachers with almost any aspect of teacher practice and preparation.



**TEACHERS ARE
MAGiC**



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Chapter 3:



Magic Tools

Magic Tools for Planning

MagicSchool's Tools are a great place to start when planning a new unit, lesson or activity.

MagicSchool's tools are trained to talk to the AI system as an educator would. Tools take over the work of writing the prompt for AI creation, all you need to do is enter the Grade Level, Topic or Standard (and any other guiding information you desire) and click "Generate".

MagicSchool's tools can even take information in PDF format and transform it into what you need to be ready for instruction!

Where to start:

*If you're looking for a complete plan, start with the **Lesson Plan** generator. Be sure to read through the plan and suggest changes to Raina, the chatbot.

*If you're looking to add **collaboration** to an already established plan, try the **Group Work Generator**. This will create activities that are opportunities for students to "group think" or work together to accomplish a learning goal.

*If you're struggling to make learning "real" for students, try the **Real World Connections** generator. This will take any topic or subject and connect it to careers, life skills, sports and more!



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All Tools



Lesson Plan

Generate a lesson plan for a topic or objective you're teaching.



Group Work Generator

Generate group work activity for students based on a topic, standard, or objective.



Multi-Step Assignment

Generate a full assignment based on any topic, including a warmup, academic content,...



SEL Lesson Plan

Generate a Social Emotional Learning (SEL) lesson plan for students in any grade level.



Unit Plan Generator

Generate a draft of a unit plan based on topic, standards and objectives, and length of unit.



Real World Connections

Generate real world examples to increase student investment.



Science Labs

Generate an engaging science lab based on topics and standards of your choice.



Syllabus Generator

Generate a syllabus based on information provided about your class for the school year.



Project Based Learning (PBL)

Based on the principles of Project Based Learning (PBL), create a full project plan.



5E Model Lesson Plan

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

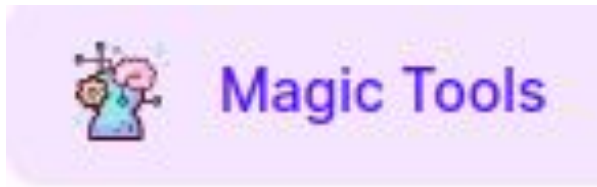


Exemplar & Non-Exemplar

Have AI write exemplar & non-exemplar responses to specific assignments to help...



Chapter 3:



Magic Tools for Planning

Magic School’s “Magic Tools” are AI Generators programmed to complete tasks aligned to the teaching profession.

To maximize your time savings using Magic Tools for planning, be prepared with a general idea of what you will be teaching, a standard you’d like to address, and any resources you will be using during instruction.

Having an article, textbook page, youtube link or summary description of your intended lesson or topic is also helpful, however MagicSchool can create materials for you based on a simple description of your learning objective as well.

Tools to start with first

***Real World Connections-** make learning real for your students with one simple step!

Real World Connections [Edit Prompt](#)












Budgeting for the Future : Understanding how to isolate a variable in an equation is like budgeting for the future. Just as you isolate the variable (unknown) on one side of the equation to find its value, you need to isolate and manage your savings or expenses to achieve your financial goals effectively. By solving for one variable in an equation, you are practicing skills that can help you make informed decisions about budgeting and saving money in real life.

Recipe Adjustments : In cooking, adjusting a recipe to make a different number of servings requires isolating the variable ingredient quantities. If a recipe serves 4 but you need to make it for 8 people, you need to isolate the variable ingredient amounts by using proportions similar to isolating variables in equations. This skill helps you scale recipes accurately and ensures the dish turns out just right, much like solving for one variable in an equation ensures the equality holds true.

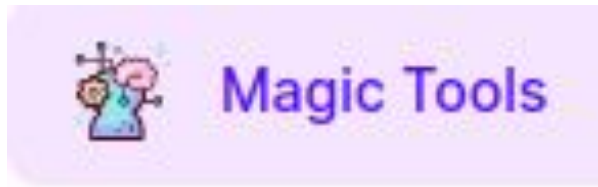
Sports Statistics Analysis : Analyzing sports statistics involves isolating variables to understand player performance. When calculating a player's batting average in baseball or shooting percentage in basketball, you are essentially isolating variables such as hits or baskets made over at-bats or attempts. This process mirrors isolating variables in equations, as you focus on one element to evaluate and compare player performance accurately.

How can this concept be introduced in a fun way to students? Are there any real-life examples to reinforce this concept in the classroom?

All Tools

-  **Lesson Plan**
Generate a lesson plan for a topic or objective you're teaching.
-  **Group Work Generator**
Generate group work activity for students based on a topic, standard, or objective.
-  **Multi-Step Assignment**
Generate a full assignment based on any topic, including a warmup, academic content,...
-  **SEL Lesson Plan**
Generate a Social Emotional Learning (SEL) lesson plan for students in any grade level.
-  **Unit Plan Generator**
Generate a draft of a unit plan based on topic, standards and objectives, and length of unit.
-  **Real World Connections**
Generate real world examples to increase student investment.
-  **Science Labs**
Generate an engaging science lab based on topics and standards of your choice.
-  **Syllabus Generator**
Generate a syllabus based on information provided about your class for the school year.
-  **Project Based Learning (PBL)**
Based on the principles of Project Based Learning (PBL), create a full project plan.
-  **5E Model Lesson Plan**
Generate a 5E model lesson plan for your science class. Engage, Explore, Explain,...
-  **Exemplar & Non-Exemplar**
Have AI write exemplar & non-exemplar responses to specific assignments to help...

Chapter 3:



Magic Tools for Content

























Magic Tools for Content are tools that will build content for lessons, based around a topic, text or standard. MagicSchool can also use a PDF, article, YouTube Video or Textbook page to inform the creation of content.



All generators give the option of setting the grade level for the activity or assessment as well as space to provide additional context or prompts to the generator.

Being as specific as possible while writing prompts will help your generations be more tailored to your class and student's needs.

However, information overload can happen with AI as information is processed as “tokens” and some word combinations are difficult for the language models to interpret.

Be direct and clear with your AI prompts, just like you are with your students!

-  **Informational Texts**
Generate original informational texts for your class, customized to the... 
-  **Academic Content**
Generate original academic content customized to the criteria of your... 
-  **Choice Board (UDL)**
Create a choice board for a student assignment based on the principle... 
-  **Vocabulary List Generator**
Generate a list of vocabulary words based on a subject, topic, or text... 
-  **YouTube Video Summarizer**
Get a summary of a YouTube video in whatever length you choose. 
-  **Multi-Step Assignment**
Generate a full assignment based on any topic, including a warmup,... 
-  **Rubric Generator**
Have AI write a rubric for an assignment you are creating for yo... 
-  **Math Story Word Problems**
Write a custom math word / story problem based on the concept... 
-  **Math Spiral Review**
Generate a spiral review problem set for any math standards or topics. 
-  **Decodable Texts**
Generate a decodable text based on the Science of Reading to support... 
-  **Vocabulary Based Texts**
Generate original texts for your class that include a custom list of... 
-  **Text Scaffolder**
Take any text and scaffold it for readers who are behind grade level. 



Start a document with your header, in your preferred style.
Copy your MagicSchool.AI generation and use
CTRL+ SHIFT + V to Paste
into your document.
The new material will be formatted to match your heading!

Created by Rachel Kent

Chapter 3:



Magic Tools

Questions Generators

These generators are time savers when designing and creating formative and summative assessments.

My favorites list in this suite of tools starts with the **Multiple Choice Assessment Generator**. This generator will make writing multiple choice a breeze.


With AI there is an 80% accuracy rate for generations— so be sure to read over all materials generated by AI, including answer keys, before using materials in the classroom.

The **YouTube** video questions generator is an amazing tool that helps to keep students focused during video-based activities. For this generator to work your video needs to be about 45 minutes or under. The generator can create questions in multiple formats. If you're like me and have students who are frequently absent, create a QR code for your video and pop it onto your worksheet. (I use CodeMonkey's free generator or the Google Chrome assistant for this.)

The **Text Analysis Assignment** generator will take any text and create text dependent questions for it. A great way to engage students in reading and literacy development across all subject areas!




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 **Multiple Choice Assessments**
Create a multiple choice assessment based on any topic, standard(s), or...



 **Text Dependent Questions**
Generate text-dependent questions for students based on any text that...



 **DOK Questions**
Generate questions based on topic or standard for each of the 4 Dept...



 **Math Spiral Review**
Generate a spiral review problem set for any math standards or topics.




 **Data Table Analysis**
Generate a table with data of your choice for your class with associat...




 **SAT Reading Questions Custom**
Generate practice questions in the style of the SAT reading section...




 **YouTube Video Questions**
Generate guiding questions aligned to a YouTube video.




 **Math Story Word Problems**
Write a custom math word / story problem based on the concept...



 **Jeopardy Review Game**
Create a jeopardy review game for a fun way to review content with...



 **Text Analysis Assignment**
Generate a text based analysis assignment that includes a writing...



 **Three Dimensional (3D) Science ...**
Write a three dimensional science assessment using NGSS standards.



Chapter 3:





Magic Tools

Intellectual Prep

These intellectual preparation tools will help you prepare to teach your content in the most clear and succinct manner.

The newest addition to this set of tools is the **Custom Chatbot** generator. This generator can be set up to discuss a specific piece of learning content with students and provide information or feedback to develop understanding. This is a new tool recently debuted as a lead up to the release of MagicStudent.

**Custom Chatbot** NEW!
Create a custom chatbot to interact with based on any criteria that you choose!



I like using the **Sentence Starters** as Bell Ringers, One-Minute Speeches, for quick writes and discussion prompts. Definitely worth a try.










If you're concerned about students using AI to cheat, use the **AI Resistant Assignments** generator!

You can also check TikTok @thefabulousMrsKent for an idea on how to AI proof assignments that will give you a laugh and find quick demonstrations on a variety of AI for Education apps.



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-  **Standards Unpacker**
Unpack any standard into component parts to understand...
-  **Sentence Starters**
Provide sentence starters for any topic, assignment, standard, or...
-  **Make it Relevant!**
Generate several ideas that make what you're teaching relevant to...
-  **Common Misconceptions**
Generate the most common misconceptions and how to address...
-  **AI-Resistant Assignments**
Receive suggestions on making assignments more challenging for ...
-  **Multiple Explanations**
Generate clear explanations of concepts that you're teaching in...
-  **Exemplar & Non-Exemplar**
Have AI write exemplar & non-exemplar responses to specific...
-  **Assignment Scaffolder**
Take any assignment and empower students by breaking it down into...
-  **Clear Directions**
Make your directions more concise and sequential so they're easier to...
-  **Conceptual Understanding**
Generate ideas about how to help your students build conceptual...

Chapter 3:



Magic Tools


































Student Support

When you use tools that require you to enter information about students, behavior or pieces of support plans be very careful with what data you share. Do not ever enter personally identifiable information about students into any Artificial Intelligence system. Student privacy is of the utmost importance and cannot be guaranteed with any AI platform.

If you use the Accommodations Suggestions list, IEP Generator, BIP Generator or Behavior Intervention Suggestions tools do not enter the student's name into the system. Always read through any outputs and adjust to your individual students before inclusion in any documents of a legal nature. *If you copy and paste from AI into an IEP you may have to justify this to an administrator, committee, parent, advocate or lawyer.*



The **Social Stories** generator is helpful in guiding students with decision making and peer problem solving.

The **Student Work Feedback** tool is one to check out; but if you're looking for an interactive feedback bot jump over to Curipod.

-  **Student Work Feedback**  
Based on a custom criteria, have AI give areas of strength & areas for...
-  **Text Leveler**  
Take any text and adapt it for any grade level to fit a student's readin...
-  **Sentence Starters**  
Provide sentence starters for any topic, assignment, standard, or...
-  **SEL Lesson Plan**  
Generate a Social Emotional Learning (SEL) lesson plan for...
-  **Accommodation Suggestions**  
Generate a list of accommodations for a student who needs support.
-  **Text Scaffolder**  
Take any text and scaffold it for readers who are behind grade level...
-  **IEP Generator**  
Generate a draft of an individualized education program (IEP) customize...
-  **Social Stories**  
Generate a social story about a particular event to help a student...
-  **Behavior Intervention Suggestions**  
Generate a list of suggestions for behavior intervention based on the...
-  **Assignment Scaffolder**  
Take any assignment and empower students by breaking it down into...
-  **BIP Generator**  
Generate suggestions for a Behavior Intervention Plan (BIP).



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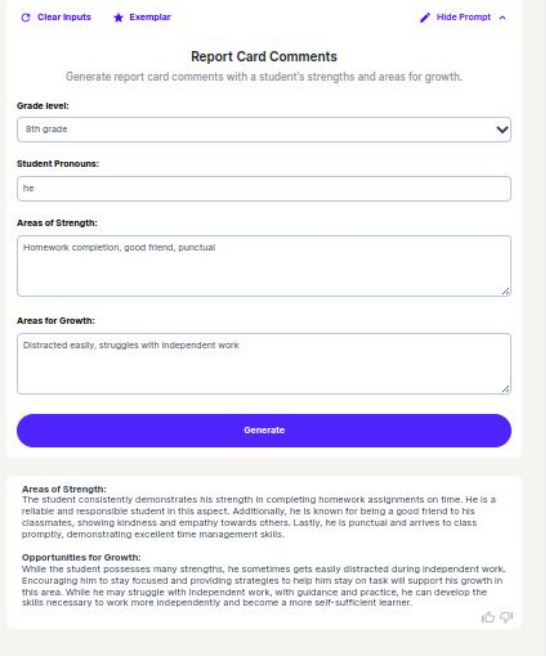


AI literacy for every student.
Coming soon!

[Join the Waitlist!](#)

Chapter 3:

Magic Tools



Report Card Comments
Generate report card comments with a student's strengths and areas for growth.

Grade level:
8th grade

Student Pronouns:
he













Areas of Strength:
Homework completion, good friend, punctual

Areas for Growth:
Distracted easily, struggles with independent work

Generate

Areas of Strength:
The student consistently demonstrates his strength in completing homework assignments on time. He is a reliable and responsible student in this aspect. Additionally, he is known for being a good friend to his classmates, showing kindness and empathy towards others. Lastly, he is punctual and arrives to class promptly, demonstrating excellent time management skills.

Opportunities for Growth:
While the student possesses many strengths, he sometimes gets easily distracted during independent work. Encouraging him to stay focused and providing strategies to help him stay on task will support his growth in this area. While he may struggle with independent work, with guidance and practice, he can develop the skills necessary to work more independently and become a more self-sufficient learner.

-  **Report Card Comments**
Generate report card comments with a student's strengths and areas for...
-  **Student Work Feedback**
Based on a custom criteria, have AI give areas of strength & areas for...
-  **Text Summarizer**
Take any text and summarize it in whatever length you choose.
-  **Text Proofreader**
Take any text and have it proofread, correcting grammar, spelling,...
-  **Letter of Recommendation**
Generate a letter of recommendation to a university or institution for a...
-  **Class Newsletter**
Generate a newsletter to send to families weekly.
-  **Text Rewriter**
Take any text and rewrite it with custom criteria however you'd like!
-  **Professional Email**
Generate a professional e-mail communication to colleagues and...
-  **E-mail Family**
Generate a professional e-mail communication to families and...
-  **Text Translator**
Take any text and translate it into any language instantly.
-  **E-mail Responder**
Generate a customized professional e-mail communication in response ...
-  **Teacher Observations**
Generate areas of strength and suggestions for next steps for a...

MagicSchool's communication tools facilitate writing emails and crafting parent communications. Each tool is targeted towards providing information as clearly as possible. Use in combination with the text translator to ensure every family in your class stays in the loop on your educational adventures.

Be sure to read over all generations before sending out to ensure they fit the style of flow of communication in your school. Some sound a little too business-y for schools that communicate more casually.

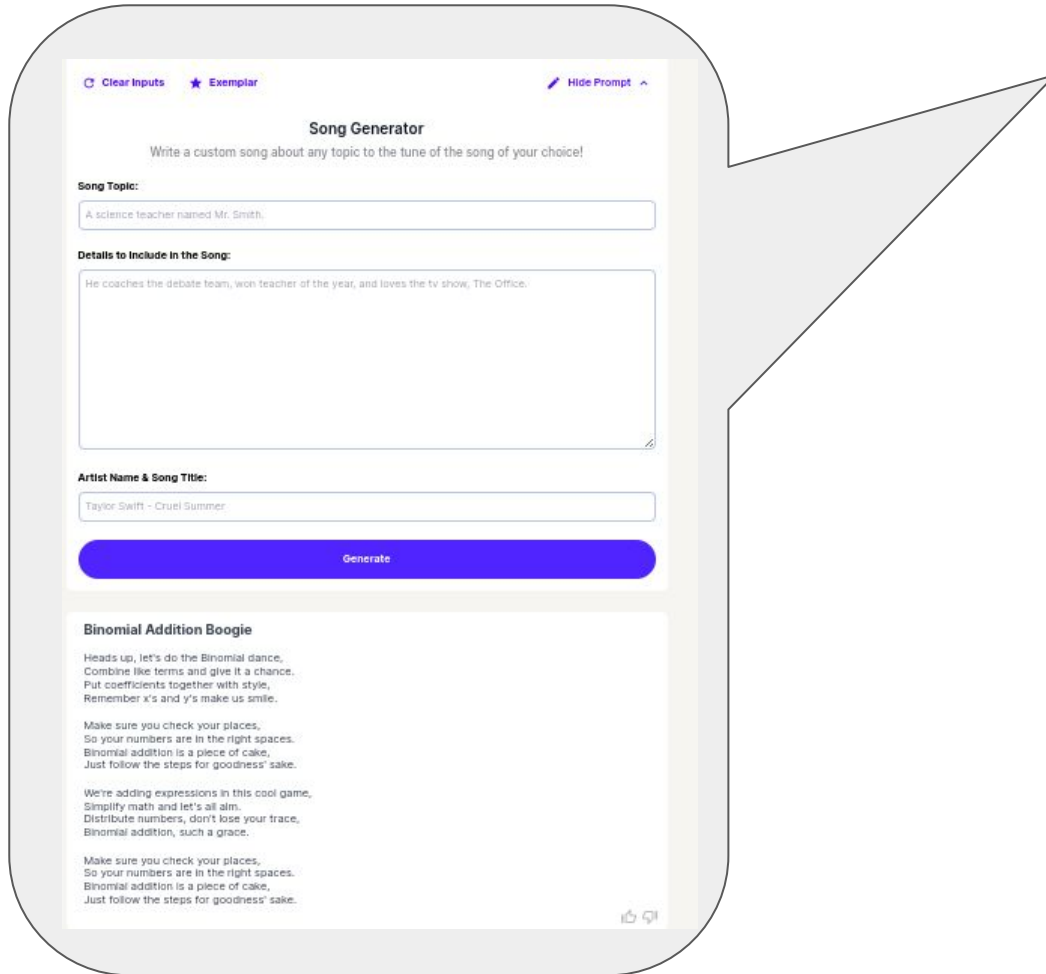


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Chapter 3:



Magic Tools



Song Generator

Write a custom song about any topic to the tune of the song of your choice!

Song Topic:
A science teacher named Mr. Smith.

Details to include in the Song:
He coaches the debate team, won teacher of the year, and loves the tv show, The Office.

Artist Name & Song Title:
Taylor Swift - Cruel Summer

Generate












Binomial Addition Boogie

Heads up, let's do the Binomial dance,
Combine like terms and give it a chance.
Put coefficients together with style,
Remember x's and y's make us smile.

Make sure you check your places,
So your numbers are in the right spaces.
Binomial addition is a piece of cake,
Just follow the steps for goodness' sake.

We're adding expressions in this cool game,
Simplify math and let's all aim.
Distribute numbers, don't lose your trace,
Binomial addition, such a grace.

Make sure you check your places,
So your numbers are in the right spaces.
Binomial addition is a piece of cake,
Just follow the steps for goodness' sake.

-  **Song Generator**
Write a custom song about any topic to the tune of the song of your...
-  **Teacher Observations**
Generate areas of strength and suggestions for next steps for a...
-  **Coach's Sports Practice**
Generate a plan for practice for any sport that you're coaching!
-  **Thank You Note**
Generate a customized thank you note to show your appreciation!
-  **SAT Reading Questions Custom**
Generate practice questions in the style of the SAT reading section...
-  **Gift Suggestion**
A gift suggestion recommendation tool for teachers shopping for all of...
-  **Teacher Jokes**
Generate teacher jokes for your class to be the coolest teacher out...
-  **Quote of the Day**
Generate quote of the day suggestions based on any topic.
-  **Team Builder / Ice Breaker**
Create a team builder / Ice Breaker for virtual or in-person meetings.
-  **Restorative Reflection**
Create a student reflection assignment based on restorative...
-  **SAT Reading Practice Test**
Generate a practice SAT reading passage and associated questions.

*The **quote of the day** is great to start class with a reflection or writing prompt.

*Use the **song generator** in conjunction with Suno.ai to produce custom songs for your content area!

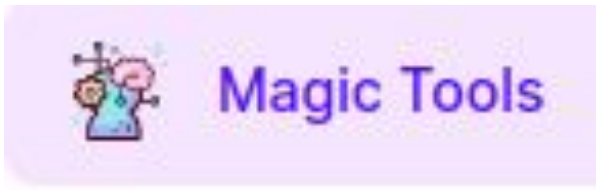
The **restorative reflection** tool is useful while helping students refocus.



Compiled by: Rachel Kent



Chapter 3: **MAGIC SCHOOL**



Grade level:
9th grade

Number of Questions:
5

Topic, Standard, Text, or Description of the Assessment (be specific):

Vocabulary quiz for the words:
childhood
early childhood
adolescence
middle childhood
infant
toddler

Multiple Choice Assessments ★
Create a multiple choice assessment based on any topic, standard(s), or...

- *Multiple choice are great practice or as whole class review opportunities
- *You can change the number of questions generated
- *uploading a PDF will generate questions based on the test

Math Spiral Review ★
Generate a spiral review problem set for any math standards or topics.

Chapter	Branch of mathematics	Key concept	Related concept	Global context	Topic coverage
1	Number	Form	Equivalence; Systems	Fairness and development	Number systems (integers); Forms; Values; BODMAS (the four number operations); Fractions and decimals
2	Algebra	Relationships	Patterns; Simplification	Identities and relationships	Number patterns/Introduction to algebra; Collecting; Multiplication terms

Grade level:
8th grade

Math Content:
BODMAS (the four number operations);

Number of Problems:
5

Additional Criteria (Optional):
make a mix of some easy and some hard

Generate

Make it Relevant!
Generate several ideas that make what you're teaching relevant to yo...

1. Football Field Equation Challenge

To make BODMAS relevant to our football-loving students, we can create a fun activity where students solve equations on a football field diagram. Each yard line represents a different step in the order of operations (BODMAS). For example, the 10-yard line could represent brackets, the 20-yard line could be exponents, and so on. Students advance through the field by correctly solving equations at each step to score touchdowns.



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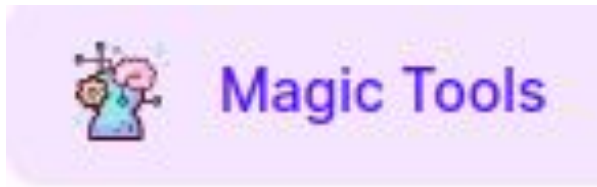
Math Spiral Review Edit Prompt

8th Grade Spiral Review: BODMAS

- Calculate: $3 \times (4^2 - 5) + 12$
- Evaluate: $18 \div (2 + 3) \times 5 - 4$
- Simplify: $2 + 3 \times 4 - 5^2$
- Solve: $7^2 \div 7 + 6 \times 3$
- Determine: $(9 - 3) \times 2 - 10 \div 2$

Note: Math may need rechecking.


Chapter 3:



Break Down Standard:

- **Skills:** Applying and extending understanding of division, dividing unit fractions by whole numbers, dividing whole numbers by unit fractions.
- **Knowledge:** Understanding of unit fractions and whole numbers.
- **Concepts:** Division, unit fractions, whole numbers.





Standards Unpacker ★

Unpack any standard into component parts to understand what students need to learn.

Buffalo Bills Superbowl Math Word Problems

1. The Buffalo Bills scored a total of 540 points in the 2022 Superbowl season. If they played 17 games, how many points did they score on average per game? Use long division to find the answer.
2. If the Buffalo Bills won the Superbowl by a margin of 112 points throughout the season, and each win contributed to this margin equally, how many points did they win each game by on average? Use long division to determine the answer.
3. During the Superbowl, the Buffalo Bills made a total of 32 touchdowns. If they played 4 games to get to the final, how many touchdowns did they make on average per game leading up to the Superbowl? Utilize long division to calculate the average number of touchdowns per game.



Math Story Word Problems

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

Math Story Word Problems

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

Grade level:

Number of Questions:

Math Standard / Objective / Topic:

Story Topic:

Generate

Group Work Generator

Generate group work activity for students based on a topic, standard, or objective.

Grade level:

Number of Students Participating:

Time for Group Work:

Topic, objective, or standard:

Apply and extend previous understandings of division to divide unit fractions by whole numbers and whole numbers by unit fractions.

Generate

Custom Chatbot Now Available



- **Step 1:**
 - Mathematician A will solve the following division problem: $1/2 \div 3$
 - Mathematician B will solve the following division problem: $4 \div 1/4$
- **Step 2:**
 - Both students will explain their solution process to each other, making sure to justify their answers.
- **Step 3:**
 - Together, the students will discuss any similarities or differences in their approaches to division with unit fractions and whole numbers.
- **Step 4:**
 - Students will collaborate to create one example problem of their own that involves dividing a unit fraction by a whole number or a whole number by a unit fraction.
- **Step 5:**
 - After completing the task, each student will provide feedback to the other on their understanding of division with unit fractions and whole numbers.
- **Step 6:**
 - Reflect on the activity as a group by discussing what they found challenging and what they found easy.



Group Work Generator

Generate group work activity for students based on a topic,...



Compiled by: Rachel Kent

Chapter 3: **MAGIC SCHOOL**



Magic Tools



Launch New Room

Magic Tools

Raina (Chatbot)

Output History

Launch Tools to Students

Love

Training



Raina for Students

Ask questions or get ideas through prompting Raina, the AI chatbot for students.



Writing Feedback

Get feedback on your writing.



Song Generator

Write a custom song about any topic to the tune of the song of your choice!



Character Chatbot

Chat with any historic figure, author, or recognizable character from a story.



Tutor Me with AI

Get tutored by Raina on any topic or subject you are learning.



Book Suggestions

Discover books that match your interests.



Rewrite It!

Take any text and rewrite it with custom criteria however you'd like!



Summarize It!

Take any text and summarize it in whatever length you choose.



Expand on My Idea

Use AI to expand on your ideas to help you be creative!



Coding Assistant

An assistant to help you with coding languages in computer science.



Math Review

Generate review questions to improve your math skills and understanding.



Quiz Me!

Quiz yourself on any topic or type of test.



Joke Creator

Generate jokes based on any topic to be the coolest student out there.



Debate Partner

Create a debate partner and use logic to debate them on any topic.



Study Bot

Use AI as a study partner for any exam or topic with this chatbot.



Informational Texts

Generate original informational texts customized to a topic of your choice.

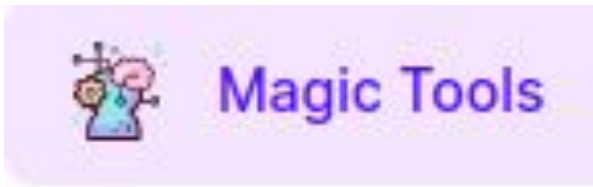


Sentence Starters

Get ideas for how to start writing on any topic.

Compiled by: Rachel Kent
produce custom
songs for your
content crea

Chapter 3: **MAGIC SCHOOL**



- Magic Tools
- Raina (Chatbot)
- Output History
- Launch Tools to Students
- Love
- Training
- Share the Magic

Virtual Teacher Assistant

Writing Tutor

Launch New Room

Content Tutor

Build a Custom Chatbot

Research Helper

Creative Engagement

I push thinking further.

Idea Helper

- Raina for Students**
Ask questions or get ideas through prompting Raina, the AI chatbot for students.
- Writing Feedback**
Get feedback on your writing.
- Song Generator**
Write a custom song about any topic to the tune of the song of your choice!
- Character Chatbot**
Chat with any historic figure, author, or recognizable character from a story.
- Tutor Me with AI**
Get tutored by Raina on any topic or subject you are learning.
- Rap Battle**
Create a rap battle between famous figures in history.
- Chatbot Builder**
Build a chatbot from scratch to interact with!
- Research Assistant**
Find information and sources for a research project.
- Translate It!**
Take any text and translate it into any language instantly.
- Create a Skit!**
Create a skit for class or for fun!
- 5 Questions**
Get AI to ask 5 questions to push your creativity and deepen your thinking on a topic!
- Idea Generator**
Get help coming up with ideas on any topic.

***39 Tools for Student Use**

***Teacher Selects which tools students have access to**

***Student interactions are viewable by teacher**

Access is being granted based on Pioneer status and the Waiting List.



Chapter 4:



Turn your content into “just right” activities with our library of high-quality, student-ready exports. ✨



The best thing about Diffit is that you cannot make a mistake using this platform. Start with a YouTube Video link, an article, a PDF or a topic and Diffit can use the power of AI to create an amazing literacy based activity for your students.

A highlight, and the main function of this platform, is to make materials accessible for students with a variety of learning modalities and literacy levels.

Each tool on this platform features a three step interface, making it easy to use quickly. The generator’s outputs are student-ready and contain a leveled text, vocabulary terms, multiple choice questions and extended response.

The bonus export to a variety of different document formats also makes using Diffit valuable for literacy. Teachers can easily differentiated the learning process by using exports in a variety of targeted literacy development modes. I encourage you to explore as many as possible.

Not much training is needed to master this system, but if you need additional support, the trainings linked below are excellent:

[Diffit Training Slide Deck](#)

[Become a Diffit Certified Educator](#)

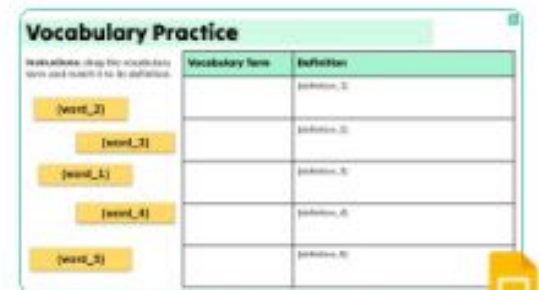


Compiled by: Rachel Kent



Venn Diagram Workbook

Printable



Vocabulary Drag and Drop
Interactive Slides

Digital



Chapter 4:



ProTip: Pick one format each week of the school year to kick your students' literacy development into overdrive!



Free Forever
Print or Save as PDF
Printable



Printable Doc
Printable



Google Forms Quiz
Digital



TWIST Rhetorical Analysis
Workbook
Digital
Printable



Venn Diagram Workbook
Printable



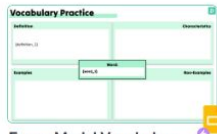
Visual Summary by
Paragraph Workbook...



3-2-1 Reading Summary
Workbook
Digital
Printable



C.E.R. Short Answer
Question Workbook...



Frayer Model Vocabulary
Slides Interactive Slides...



Visual Vocabulary
Interactive Slides
Digital



Vocabulary Drag and Drop
Interactive Slides
Digital



Vocabulary Flash Cards
and Workbook
Printable



New!
Reading with Discussion
Questions Workbook...



New!
Reading with SAQ's
Workbook
Printable



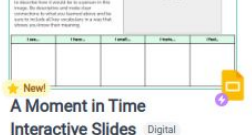
New!
Reading with Vocabulary
Workbook
Printable



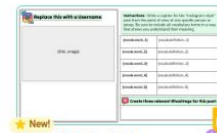
New!
11 Sentence Commentary
Workbook
Printable



New!
8 Parts of Speech Image
Analysis
Printable



New!
A Moment in Time
Interactive Slides
Digital



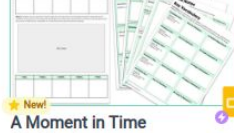
New!
Social Media Style
Summary Interactive Slid...



New!
Social Media Style
Summary Workbook...



New!
Vocabulary Choice Board
Printable



New!
A Moment in Time
Workbook
Printable



New!
Bubble Map with Image
Workbook
Printable



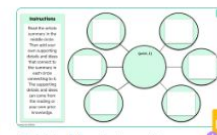
New!
Poetry Choice Board
Workbook
Printable



ACE Short Answer
Question Workbook...



Bubble Map Graphic
Organizer Workbook...



Bubble Map Interactive
Slides
Digital



5 Senses Interactive
Slides
Digital



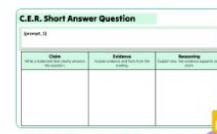
5 Senses Workbook
Printable
Digital



5 W's Workbook
Printable
Digital



Causes and Effects
Graphic Organizer...



C.E.R. Short Answer
Questions Interactive...



Character Analysis: Says,
Feels, Thinks, Does...



8 Parts of Speech
Workbook
Digital
Printable



ACAPS Analysis
Workbook
Printable
Digital



A.C.E. Short Answer
Questions Interactive...



Compiled by: Rachel Kent

Chapter 4:



Topic, Theme or Question Based Use

Type in any idea you have that you will be centering your instruction around. Include as many details as possible for the content you are going to cover. Select the reading level and language. Then, watch the magic happen!



Start New

Learn More

Contact Us

Log In

Get "just right" resources for...

🔍 Literally Anything

🔗 An Article or Video (URL)

📄 Any Text or Excerpt

1

Search for a topic, theme, or question here. Be as specific as possible!

Enter topic here (e.g. "Mitosis", "Why didn't the U.S. participate in Treaty of Versailles?")

2

2. Choose an approximate reading level

5th Grade

and language

English

3

Generate Resources →



Compiled by: Rachel Kent



Chapter 4:



URL Based Use

Select a Youtube video or an online article and this tool will create a customized, leveled text with accompanying questions. The YouTube video must have a transcript and should be shorter than 45 minutes for optimum use of this platform.

Get “just right” resources for...

Q Literally Anything

[An Article or Video \(URL\)](#)

Any Text or Excerpt

1 Paste the URL of an article, PDF, or YouTube video here to get differentiated resources.

Paste URL here

2 Choose an approximate reading level and language

3

Generate Resources →



Compiled by: Rachel Kent



Chapter 4:



Text or Excerpt Use

Diffit can also work its magic using a PDF or entered text excerpt. This is useful when differentiating a text provided by a school curriculum, for learners who may have gaps in reading comprehension or who require additional processing cues.

🔍 Literally Anything

🔗 An Article or Video (URL)

📄 Any Text or Excerpt

1 Paste an excerpt, original document, or other text here to get differentiated resources.

Paste text here

OR

Upload a PDF

Choose File No file chosen

Choose an approximate reading level

Keep Original

and language

English

3

Generate Resources →



Chapter 4:



Text or Excerpt Use

Diffit can also work its magic using a PDF or entered text excerpt. This is useful when differentiating a text provided by a school curriculum, for learners who may have gaps in reading comprehension or who require additional processing cues.

🔍 Literally Anything

🔗 An Article or Video (URL)

📄 Any Text or Excerpt

1 Paste an excerpt, original document, or other text here to get differentiated resources.

Paste text here

OR

Upload a PDF

Choose File No file chosen

2 Choose an approximate reading level

Keep Original

and language

English

3

Generate Resources →



Chapter 4:



From Video Example Generation

Diffit can also work its magic using a PDF or entered text excerpt. This is useful when differentiating a text provided by a school curriculum, for learners who may have gaps in reading comprehension or who require additional processing cues.



Pythagoras' Theorem [IB Math AI SL/HL]

Term	Definition	Example Sentence
theorem (noun)	a statement or principle that can be proven true through logical reasoning or mathematical proof.	Euclid's theorem states that there are infinitely many prime numbers.
hypotenuse (noun)	the side of a right-angled triangle that is opposite the right angle.	In a right-angled triangle with sides of length 3 and 4, the hypotenuse can be calculated using Pythagoras' theorem.
slant height (noun)	the height of a slanted or inclined surface, such as the height of a cone from its base to its apex.	To find the volume of a cone, you need to know the radius and the slant height.
proportion (noun)	a statement that two ratios or fractions are equal.	In a proportion, if the product of the means is equal to the product of the extremes, then the proportion is true.
curved surface area (noun)	the total area of the curved surface of a three-dimensional object, excluding any flat or base surfaces.	To calculate the curved surface area of a cylinder, you need to know the radius and the height.

Pythagoras' Theorem [IB Math AI SL/HL]

In this video, we look at Pythagoras' theorem, which is one of the most popular and well-known theorems in mathematics. Now, it is in the AI course under Topic 3: Geometry and Trigonometry, under the subtopic of Trigonometry. Now, here is the theorem: C squared is equal to a squared

squared. So for example, this length here is 5. A square with side lengths of 5 would have an area of 25 because 5 times 5 is 5 squared, which is 25. So this square here is equal to the sum of the other two side squares. So 3 squared is 9, 4 squared is 16, and 9 plus 16 is 25. If you did this for any triangle which happened to work, so 3, 4, 5, and any triangle that actually fit the theorem and did these squares, it would always work. And I always like to think of this as an example when I think, "Why does this C squared equals A squared plus B squared?" Okay, that was a quick overview into Pythagoras' theorem. Usually, these questions appear not as the sort of final answer in a question. It's usually an intermediate step to then go ahead and solve something else, such as the volume of this cone or perhaps the curved surface area of this cone or some other later step, which is a little bit more advanced. But I recommend going and practicing some of these questions. They will most likely appear either in the trigonometry or 3D geometry sections of the question banks.

Reading Summary

- Pythagoras' theorem is a well-known theorem in mathematics.
- It states that the square of the longest side of a right-angled triangle is equal to the sum of the squares of the other two sides.
- The theorem can be used to find the length of any side of a right-angled triangle.

Multiple Choice Questions

Question #1	Question #2	Question #3
According to Pythagoras' theorem, what is the relationship between the longest side and the other two sides of a right-angled triangle?	What is the value of the radius in the given example question about finding the slant height of a cone?	Why is it important to practice rearranging Pythagoras' theorem depending on which side lengths you are trying to find?
<p>A. The longest side is equal to the sum of the squares of the other two sides.</p> <p>B. The longest side is equal to the product of the squares of the other two sides.</p> <p>C. The longest side is equal to the difference of the squares of the other two sides.</p> <p>D. The longest side is equal to the division of the squares of the other</p>	<p>A. 6.73</p> <p>B. 20</p> <p>C. 21.1</p> <p>D. 445.29</p>	<p>A. To ensure the accuracy of the calculations.</p> <p>B. To simplify the equation and make it easier to solve.</p> <p>C. To understand the concept of right-angled triangles.</p> <p>D. To demonstrate proficiency in mathematical reasoning.</p>



Compiled by: Rachel Kent



Chapter 4:



From Video Example Generation

Within the Diffit platform you can change the number of questions, eliminate questions types and edit questions before exporting to a variety of formats, including PDF, PPT, & DOC. You can also share to Google Classroom from within the Diffit platform.

Short Answer Questions

Question #1	What is Pythagoras' theorem and how is it used to find the length of the longest side of a right-angled triangle?
<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	
Question #2	How can Pythagoras' theorem be rearranged and used to find the length of one of the shorter sides of a right-angled triangle?
<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	
Question #3	Why is it important to practice rearranging Pythagoras' theorem depending on which side lengths you are trying to find?
<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	

Open Ended Questions

Question #1	Reflect on a time when you encountered a real-life situation that involved the use of Pythagoras' theorem. How did understanding this theorem help you solve the problem?
<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	
Question #2	Think about a concept or theorem in mathematics that you find particularly interesting or important. How does Pythagoras' theorem compare to that concept? In what ways do they complement each other?
<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	
Question #3	Consider the practical applications of Pythagoras' theorem in fields other than mathematics. How might this theorem be used in architecture, engineering, or other areas of study or work? Provide specific examples.
<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	



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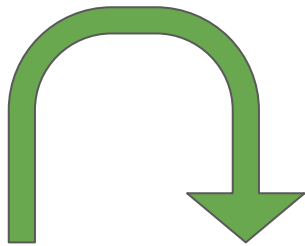


Chapter 4:

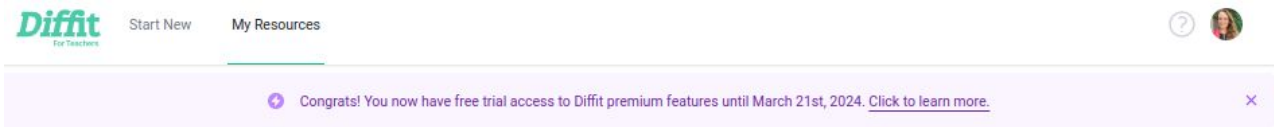


“My Resources”

Diffit’s internal storage area is called “My Resources”. Under this tab you can search for resources by name or scroll through a dated list of past prompts.



[Click here for Diffit Website](#)



My Resources

Search... + New

- Pythagoras' Theorem [IB Math AI SL/HL]** February 26th, 2024
Reading Level: Keep Original | Language: English
- Financial Literacy & The Social Media Generation | Nelson Soh | TEDxGrandviewHeights** February 25th, 2024
Reading Level: 8th Grade | Language: English
- Americans awestruck by rare total solar eclipse** February 10th, 2024
Reading Level: 9th Grade | Language: English
- AI Will Transform Teaching and Learning. Let's Get it Right.** January 28th, 2024
Reading Level: 9th Grade | Language: English
- AI education and AI in education** January 26th, 2024
Reading Level: 10th Grade | Language: English

- Delete
- Share
- Copy
- Email
- Twitter
- Facebook
- Pinterest

Copy to link to share.

Email

Social Media



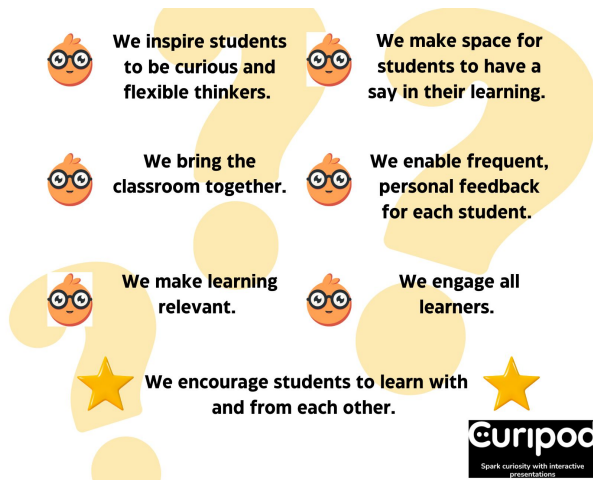
Compiled by: Rachel Kent

Chapter 5:



Curipod Learning Principles

The Curipod Learning Principles drive the platform's resources and generators. Their principles are based around developing learning and knowledge through collaborative discourse.



About Curipod

Curipod is an AI enabled platform for teachers to create slide deck based activities and lessons that encourage collaboration and deep discussion during synchronous instruction.

Curipod contains a variety of generators to assist with preparing for dynamic classroom instruction. Curipod does not provide typically formatted lesson plans, but integrates into already planned lessons with embedded multimodal tools, polling and data collection features.

Curipod can also add engaging elements to established presentations as it features a generator that can reformat your favorite slide deck into a Curipod.

Curipods are designed to allow students to contribute to class conversations, even if they aren't comfortable "speaking up" in front of their classmates.

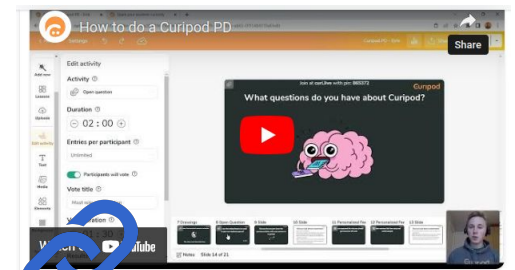
Although students use a technological device to submit their responses, they will not see the presentations on their screen. This is an intentional design feature which allows the use of a phone or computer while focusing the attention on the instruction and discussion that occurs in the classroom.

Curipod **PRO TIP**

Use the code **DM for Information!**

to gain a **FREE TRIAL** of the **PREMIUM** subscription!

Created by Rachel Kent

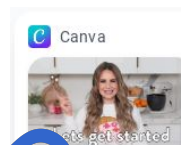


How to do a Curipod

Curipod Spark your students curiosity!

FEATURES:

- STUDENT COLLABORATION
- TRACK STUDENT PROGRESS
- CUSTOMIZED, PERSONALIZED FEEDBACK
- MULTIMODAL GENERATORS FOR CREATING INTERACTIVE LESSONS
- MODERATION TOOL



Get started with Curipod

Easy get-started-guide for Curipod. Distribute it among your audience to help them create an account and get started.

Get Started with Curipod

Chapter 5:



Where to Start

*Get a feel for the Curipod way by creating a **Full Lesson**.

The simple two step process produces a series of slides on a prompted standard/topic that includes a mixture of information, activities and discussion starters. This will generate 14 slides that create the frame for discussion-based instruction. You can choose to use all slides, regenerate or select specific activities to include in the Curipod lesson via embedded generators.

More Information

Support & Contact

Curipod Immerse yourself Support Pricing

International Preparatory School Premium • Unlimited lessons

Home My lessons Reports

Home Your Lessons Reports

Select grade level. 5th

Enter topic or standard. D3.4.6-8 Develop claims and counterclaims while pointing out the strengths and I

Full lesson

Generator inputs

Grade 5th

Learning standard or topic D3.4.6-8 Develop claims and counterclaims while pointing out the strengths and I

Do magic

Curipod Full Lesson Generator

Lesson Settings, Privacy, Language

PPT Upload

Edit interactive elements

Integrated Media Apps

Elements & Stickers

Translate

Results from Interactive Polling

Present & Student Preview

Share, Share with Team, Export to PDF

Settings Back to refine your instructions

Re-generate Add all 14 slides

1. Slide Navigating Economic Choices

2. Slide About this lesson draft

3. Slide

1 Slide 2 Slide 3 Slide 4 Slide 5 Poll 6 Slide 7 Slide 8 Drawings

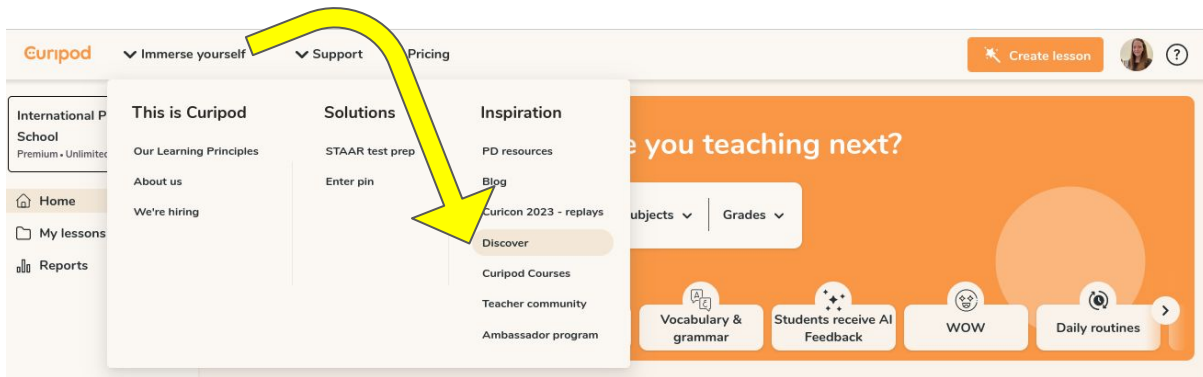
Notes Slide 1 of 14

Chapter 5:

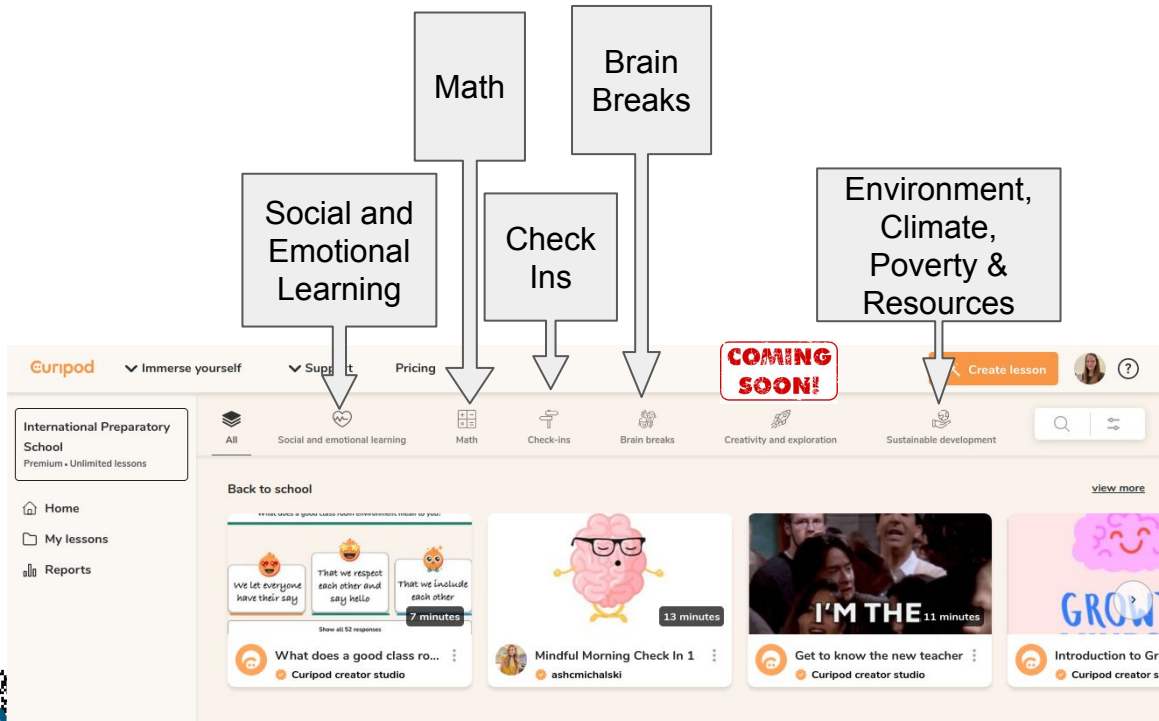


Where to Go Next

*Continue your journey into curiosity based learning by discovering the repository of shared Curipods! **Immerse Yourself** in the wonder that is the Curipod community by finding **Inspiration** on your journey to **discover** the fun of interactive polling.



In “Discovery Mode” you will be able to search precreated Curipods on a variety of topics. Once selected and brought into your curation pane, you can choose to borrow 1 slide, or many from the selected Curipod.



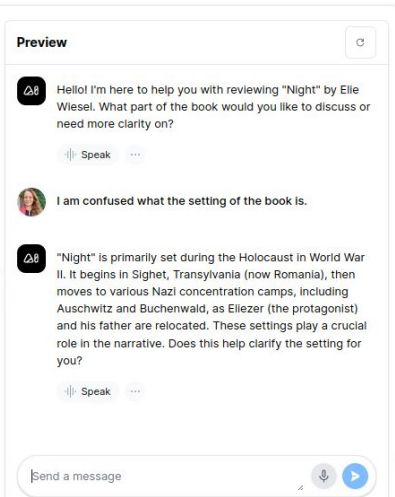
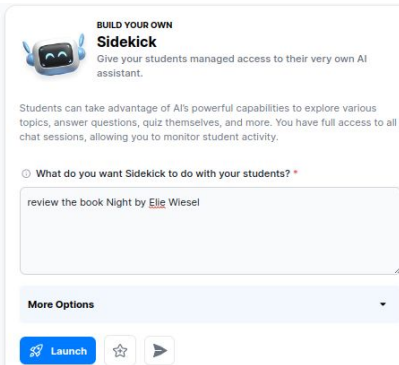
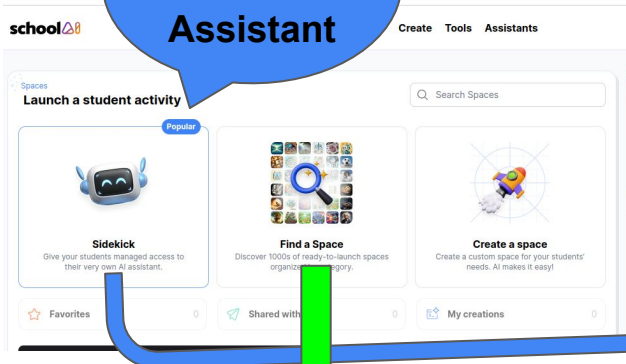
Chapter 6:



SchoolAI is a suite of tools for teachers and students to build engagement in learning. School AI includes the typical tools teachers now expect of any AI teacher assistant: lesson planner, course outlines, worksheets, multiple choice, rubrics, etc. The draw of SchoolAI over other similar tools is that students utilize QR codes to access virtual assistants and activities to gauge learning. The QR code accessibility makes this AI Tech Tool for Teachers easy to use and engaging for our tech obsessed students.

Sidekick is the name of SchoolAI's Customizable Student Virtual Assistant, with preview feature!
Click preview before launch.

**Sidekick
Virtual
Assistant**



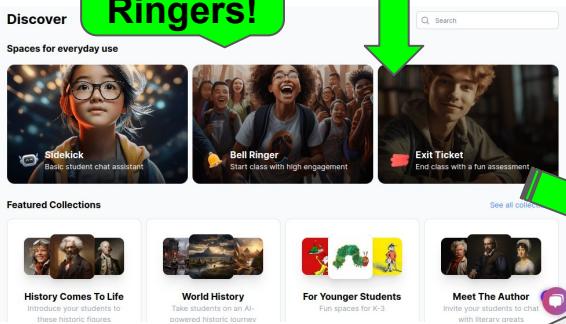
**Students
Access
via QR
Code or
Web**



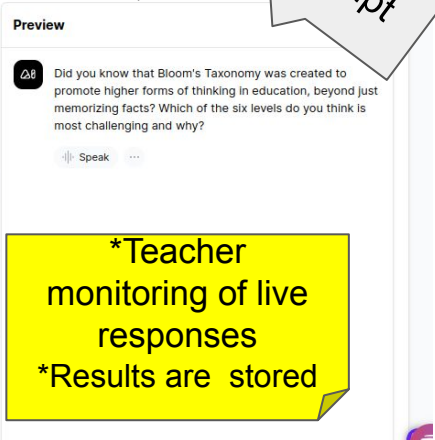
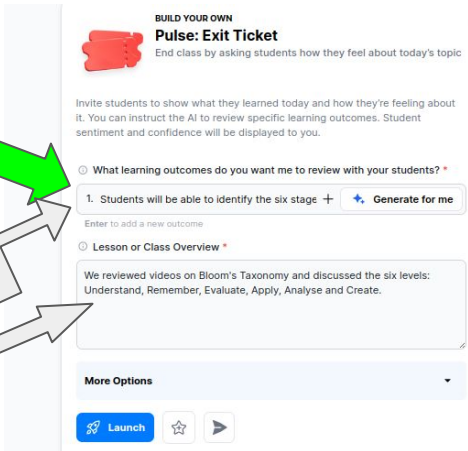
**Customize a
SIDEKICK for
your students
to learn with!**

**Enter
Topic/Task, then
Preview, Test the
Chatbot, then
launch.**

**Bell
Ringers!**



Preview
Exit Ticket Prompt



***Teacher
monitoring of live
responses
*Results are stored**

**Discover ready
to use spaces
& collections!**

Topic
**Lesson
Overview**

This

- Limitations**
- May occasionally generate incorrect information
 - May occasionally produce biased content
 - Limited knowledge of the world after 2021



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RACHEL KENT**



Chapter 7:



Eduaide.AI is an all in one virtual teacher assistant. Eduaide features some tools that aren't on similar platforms: Anchor Charts, Extended Analogies, Skit Dialogue, etc. It also includes tools for Business Plan, Mock Budget, and Resume outline. The assessment generator is one of the best features of this platform, making it very easy to create knowledge evaluations with multiple question types without changing tools.

Eduaide.AI <<

- Generator
- Assistant
- Feedback Bot
- Chat
- Assessment Builder
- History

Access Planning Tools (points to Generator)

Tools for Professional Duties, Wellness & Accessibility (points to Assistant)

Paste in student writing for automated feedback (points to Feedback Bot)

Virtual Instructional Coach (points to Chat)

Multiple Question types on one screen! (points to Assessment Builder)

Your Library of Generations (points to History)

Content Generator

Subject: Career & Technical Training | Grade: Underclass (Students Grade 9-10)

Planning | Information Objects | Independent Practice | Cooperative Learning | Gamification | Questions

Lesson Plans in Eduaide.AI are called "Lesson Seeds". There are also tools for Information, Independent Practice, Cooperative Learning, Gamification and Questioning. Try the Gamification options, they are a unique offering of this platform.

Pro Tip: Use the "Enhance" button to improve your prompt before generating the output!

Assessment Builder

Grade: Underclass (Students Grade 9-10)

Topic or Keyword(s): Enter a topic or keyword(s)... You can also enter standard based language to generate aligned content.

Enhance

Multiple Choice | True or False

Short Answer | Fill In The Blank

Matching | Essay

Generate Questions

Multiple Choice, Short Answer, Matching, True/False, Fill in the Blank and Essay Questions!

Start chatting with Eduaide Chat for any unscripted requests or to brainstorm new ideas using AI.

- Explain a Concept
- Engagement Strategies
- Classroom Management



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Chapter 8:

Canva

Canva.com is a graphic design platform that uses AI to help create amazing images, videos and presentations. Canva is the favorite design program of teachers and features a variety of templates and slide decks on topics for instruction.

Canva is the ultimate all-in-one tool to create impressive documents for personal or classroom use.

Designs by document type (arrow pointing to 'Design spotlight')

Business management documents (arrow pointing to 'Business')

LMS Integration, Collaboration Tools (arrow pointing to 'Education')

Account Settings & Linked Accounts (arrow pointing to gear icon)

Your Tasks (arrow pointing to bell icon)

AI Enabled Designer (arrow pointing to 'Magic Studio')

Past Projects (arrow pointing to 'Projects')

Project Templates (arrow pointing to 'Templates')

Search templates and use AI to design video, static images and slide decks! (arrow pointing to 'Magic Design for presentations')

Enter a prompt and AI will create a 4 second video. Experimental Technology. (arrow pointing to 'Text to Video')

Enter a prompt and get 4 generations. Can regenerate for more options! (arrow pointing to 'Text to Image')

Expand a photo beyond its edges with AI (arrow pointing to 'Magic Expand')

Make any image editable (arrow pointing to 'Magic Grab')

Edit images with an AI Prompt (arrow pointing to 'Magic Edit')

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AI TOOLS FOR TEACHERS

Chapter 9:



EXPLORING PREMADE LESSONS AND QUIZZES

Gibbly is an AI accelerated Lesson Planning and Instructional tool that focuses on assisting teachers in developing slide decks and assessments. Gibbly features two ways students can interact with presentations— solo or during whole group instruction. Gibbly features data aggregation and reporting, enabling teachers to use this tool for formative and summative assessments.

Create New
Find a Quiz or Lesson
Your Quizzes & Lessons
Your Classes
Tutorials
Affinity Program
Provide Feedback
Name, Role, Tokens, Upgrade, Support

Finished!
100%
5/5 Correct
Play Again

Slides can be edited inside of Gibbly before export

Export **Present**

to Google Slides
to PowerPoint

Lesson Overview 161/2500
Prior Knowledge Assessment: Begin the lesson by asking students to brainstorm what they already know about the water cycle. Write their responses on the board.

Learning Objectives 105/2500
Objective: Students will be able to explain the step-by-step process of evaporation in the water cycle.

This Lesson Covers 513/2500
Instructional Activities:
Begin the lesson by providing an overview of the water cycle, emphasizing the role of evaporation. Use visual aids, such as diagrams or videos, to help students understand the process of evaporation.

Vocabulary and Terms 27/2500
Water Cycle and Evaporation

Lobby Settings

- Number of Teams: 4
- Nicknames: Random
- Automatic Teams: Yes
- Players Can Choose Team: No
- Host Role: Spectator

Teams can be automatic or student selected.

Join at: www.gibbly.co/play/join **Game PIN: 375417**

Leaderboard

1st	Team 1	In Game	0 pts
2nd	Team 2	In Game	0 pts
3rd	Team 3	In Game	0 pts
4th	Team 4	In Game	0 pts

Stop **Restart**

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AI TOOLS FOR TEACHERS

Chapter 10: Other AI Apps



This AI enabled custom song generator is a great way to add interest to any lesson. It is easy as can be. All you do is enter topic or text and suggest a style of song- and presto, you'll have two custom song options, with vocals! This is better than lyrics generators-this is a whole song!

Find already made songs

Create your own song

Your song list

Sign in options

Explore

Create

Library

Songs are 30 seconds long



Lyrics Provided

[Verse]

Yo, listen up, it's time to do some math
But don't worry, I'll make it a blast
We're talkin' PEMDAS, the order of operations
Gonna solve equations, no hesitations

Parentheses first, do what's inside
Then exponents, take that number for a ride
Multiply and divide, left to right
Add and subtract, keep your mind sharp and tight

[Chorus]

Do the PEMDAS math, show your smarts
Solve those problems, make 'em fall apart
No need to stress, just follow the rules
PEMDAS got your back, you'll never lose (ooh-yeah)

Custom Mode

Song Description

rap song about pemdas math

Create

Enter Song topic(s) and music genre you would like the song to be similar to

Create will give you 2 song options, which you can regenerate.

Note: Free credits are limited, if you generate a lot of songs consider a subscription for \$10 per month



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Example Song



More to Come Soon!



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Recent Publications and Guidance on AI in Education

[Teachers Are Up to their A\\$\\$ in Alligators: Why AI is not a priority](#)

[UNESCO: Guidance for generative AI in education](#)

[National Science Foundation: AI Education and AI in Education](#)

[International Baccalaureate Statement on AI](#)

<https://www.oneusefulthing.org/p/working-with-a-i-two-paths-to-prompting>

[Schools are using AI, but are they on the right track?](#)

<https://www.oneusefulthing.org/p/strategies-for-an-accelerating-future>

[Age Appropriate Goals, Teaching with AI](#)

<https://docs.google.com/document/d/1F9RM1fPrbbuKav6c2p0xmWmnkuJHMfUvZE25s8vuKno/mobilebasic>

<https://nbcuacademy.com/ai-education-aiedu/>

[U.S.A. Office of Educational Technology: Artificial Intelligence](#)

<https://www.nctm.org/standards-and-positions/Position-Statements/Artificial-Intelligence-and-Mathematics-Teaching/>

[UNESCO: Artificial Intelligence in Education](#)



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Chapter 7: Resources to assist you in learning more about Artificial Intelligence

[Open AI: Teaching with AI](#)

[AI for Education.IO: Prompt Library](#)

[Microsoft: Unlocking generative AI Safely](#)

[Microsoft: AI Training for Educators](#)

[Educating All Learners Resource Library](#)

[PROMPT Like a Teacher Mnemonic](#)

[Generative AI in the IEP Process](#)

[OpenAI Prompt Engineering](#)

[Learn Prompt Engineering](#)

[High School Cheating and ChatGPT](#)

[UNESCO Draft Competency Frameworks](#)



Resources to assist you in learning more about Artificial Intelligence

[TeachAI.org](#)

[Code.org AI Resources](#)

[AI for Education](#)

Keep up to date on research:

[Columbia Digital Futures Lab](#)

[Stanford Accelerated Learning](#)

[Harvard Next Level Lab](#)

[CalTech Science Exchange](#)



Compiled by: Rachel Kent

This resource was compiled as an entry level support for users new to AI Tech Tools for Teachers.

No profit was made from the creation or distribution of this document.



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