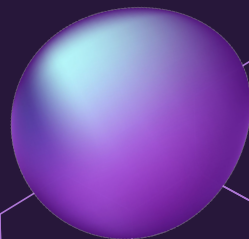
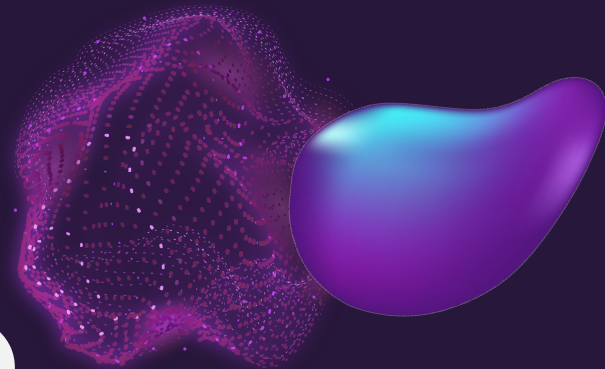



USING AI TO MODIFY

Michelle Johnson

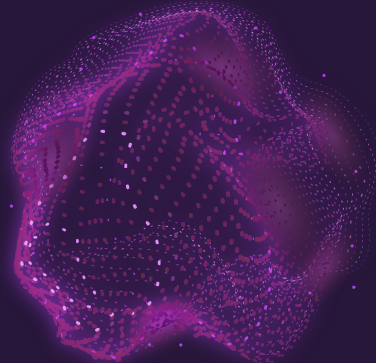
Samantha Moran





How can AI help me in the classroom?

- AI can provide personalized learning experiences
- AI can assist in creating interactive and engaging learning materials
- AI can help identify at-risk students and provide early intervention support
- AI can assist teachers in lesson planning and curriculum development
- AI can assist in creating emails, summarize meeting notes



Precautions

- Data privacy: Student data is securely stored and only accessed by authorized personnel.
- Ethical considerations : related to artificial intelligence such as privacy concerns , bias , discrimination etc .
- Limitation : Recognize the limitations, including its inability to fully replace human teachers
- Accuracy: Information may not be accurate.
- Individualize: Information should be a brainstorm to get ideas

Eduaide.Ai

Overview

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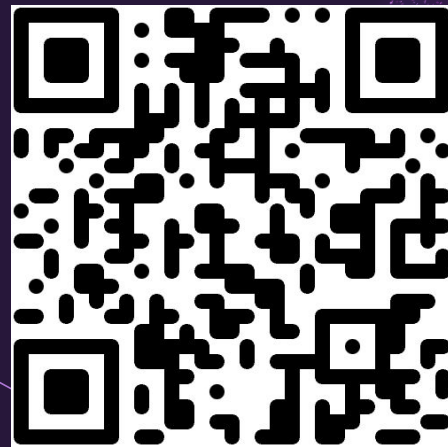
Tool that helps create engaging content for students. The content generator has over 150 different teaching resources, planning materials, assignments,

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Features

- Free (15 free generations per month)
- Assessment tools
- Data collection tables
- IEP supports
- Goal setting
- Lesson plans
- Feedback bot

+





As the day of liftoff comes closer and closer, the crew of astronauts gets excited—and a bit nervous. The butterflies in their stomachs tell them the ride into space is risky. They all know about the dangers. Even so, they keep busy training for the launch.

When the day arrives, the astronauts wake up in the darkness of the early morning, while most people are still asleep. Their hearts are pumping with anticipation. In a few hours, they will be in space. The astronauts put on their bulky space suits and helmets. They load up into a vehicle that will take them to the launch site. As they ride, they soak in the dark quiet of the sky above. That is where they are headed.

Soon they see the **spacecraft** that will carry them into space. It towers above them, many stories tall. They get out of the vehicle and feel the cool air on their faces. Their helmet visors are still open, and they breathe in Earth's air.

The team gets into an elevator beside the launch vehicle. It takes them up, up, up until they are near the top. The elevator doors open, and they see the open door of the spacecraft. They walk, one by one, from the platform into the spacecraft. The members of the crew get into their assigned seats, facing upward and lying on their backs.

After they are strapped in tightly, the astronauts wait. It is like sitting in a rollercoaster car waiting for the most exciting ride of their life. This wait lasts for two hours. They know the crew on the ground is busy

Genre Informational Text

Essential Questions: What has science made possible? What will it make possible in the future?

An Out-of-This-World Experience

By Matthew Martinez

Illustrated by Peter Bull

What goes faster than a race car? What makes you feel heavier? What lets you float? The answer to all these questions requires a trip to space. Only a few people have experienced this. Their descriptions help us understand what it's like. Let's imagine we're going on a space journey!
208

Before the Launch

The astronauts feel excited and a little nervous as the launch gets closer. They know it's risky but continue to train. On the day of the launch, they wake up early in the morning. Their hearts are filled with anticipation. They put on their space suits and helmets. Then they board a vehicle that will take them to the launch site. As they ride, they look up at the dark sky. That's where they're going.

Soon, they see the spacecraft that will carry them into space. It's tall and impressive. They step out of the vehicle and feel the cool air on their faces. Their helmet visors are open, and they breathe in Earth's air.

The team enters an elevator next to the launch vehicle. It takes them up until they're near the top. The elevator doors open, revealing the open door of the spacecraft. They walk, one by one, from the platform into the **spacecraft**. The crew members get into their assigned seats, facing upward and lying on their backs. They strap in tightly and wait. It feels like sitting on a rollercoaster, waiting for the most exciting ride of their life. They wait for two hours.

The crew on the ground is busy preparing for the launch countdown, and the astronauts are eager to start their mission.
209

The countdown reaches ten, nine, eight, seven, six...Then the engines fire, and the whole craft shakes with power. The noise matches the shaking seats. The astronauts focus on their tasks, pushing past the loud noise and strong vibrations.

As the spacecraft rises, it pushes against gravity, going faster and faster, aiming to reach 17,500 miles per hour. As the engines thrust the spacecraft toward space, gravity pulls the astronauts down into their seats. It feels like having sand poured on their chests. The increasing pressure makes it hard to breathe. They have to use their muscles to force their lungs to breathe in and out. Even raising their hands to flip switches in front of them feels like lifting weights.

After eight-and-a-half long minutes, the heaviness suddenly disappears. Everything and everyone feels weightless. The heavy load is replaced with the freedom of floating.
210

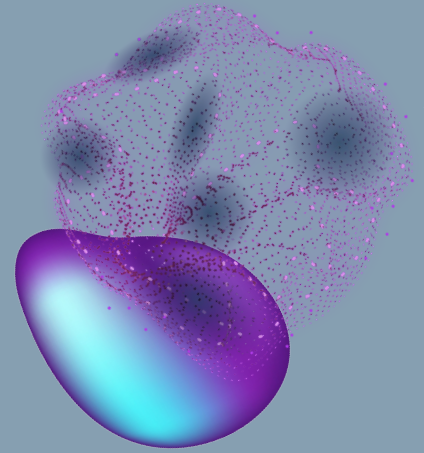
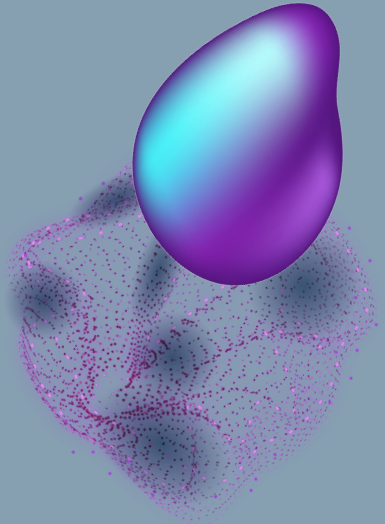
Microgravity in Space

Before the Launch

The astronauts are happy and a little scared as the launch gets closer. They know it's dangerous but keep practicing. On launch day, they wake up early. They feel excited. They put on their space suits and helmets. Then they get into a vehicle that will take them to the launch site. As they ride, they look up at the dark sky. That's where they're heading.

Soon, they see the spacecraft that will take them into space. It's tall and amazing. They get out of the vehicle and feel the cool air on their faces. Their helmet visors are open, and they breathe in Earth's air.

The team goes into an elevator next to the launch vehicle. It takes them up until they're near the top. The elevator doors open, showing the open door of the spacecraft. They walk, one by one, from the platform into the spacecraft. The crew members get into their assigned seats, facing upward and lying on their backs. They buckle up tightly and wait. It feels like being on a rollercoaster, waiting for the most fun ride of their life. They wait for two hours.



Diffit

Overview

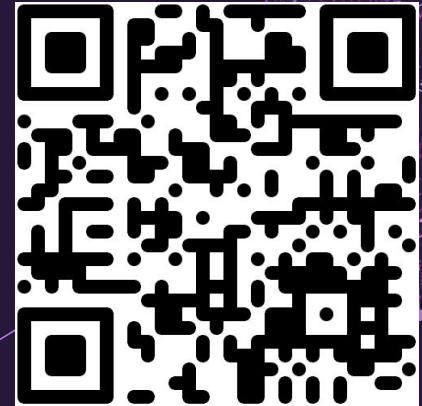
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AI powered differentiation tool generating content at various reading levels, providing vocabulary, and comprehension quizzes.

Features

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- Free
- Generate from prompts, URL's, PDF's and copied text
- Create adapted reading passages
- Adjust length
- Translate into 60 languages
- Create a bulleted list summary
- Generate vocabulary words, definitions, and examples
- Create multiple choice and short answer questions



40 Degrees

Along the Koyukuk River, towering mountains guard the magnificent valley. Their sheer faces watch the seasons change.

Click.. click. click. Snapping hooves and grumbling voices fill the autumn air. With heads held high, a herd of caribou follows the river through Gates of the Arctic National Park.

These regal deer wear new coats of dense fur, with velvet antlers curving toward the sky. Ready for winter, the caribou have gained a thick layer of fat

GATES OF THE ARCTIC

NATIONAL PARK AND PRESERVE

from summer grazing on the tundra.

Other arctic animals scurry and prepare for the coming eight months of snow.

Chickadees and gray jays cache seeds and morsels of carrion, hiding the food in cracks beneath tree bark.

Red squirrels pluck spruce cones and hurl them to the ground.

They will tear open the cones and eat the spruce seeds through the winter. A weasel snatches a brown lemming and carries it to an underground food cache.

Nights grow colder. A thin layer of ice creeps across a pond near the river. Snug in their lodge, beavers rest after cutting many saplings for their underwater cache. Near their food pile, an Alaska blackfish paddles slowly through pond vegetation, searching for insect larvae. This bottom dweller can survive the winter in shallow frozen ponds with little oxygen. Along with gills, the blackfish has an unusual esophagus that can work like a lung, absorbing oxygen from the air. During the winter, this fish will find holes in the ice and breathe through its mouth.

Leaves rustle softly as a wood frog burrows into the duff of the forest floor. Suddenly, the frog feels its skin freezing. Its heart begins to beat rapidly. The frog's liver quickly produces lots of glucose. This sugary fluid, which the frog pumps through its body for several hours, will protect the insides of the cells from ice crystals. When more than three-quarters of its body freezes, the frog stops breathing and its heart stops beating. But, like magic, the frog is still alive. Beneath the insulating layers of duff and snow, this frozen amphibian will hibernate until spring. It's a live frogsicle!

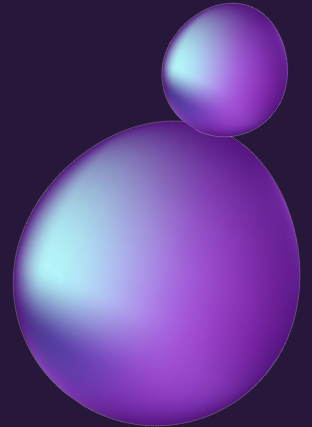
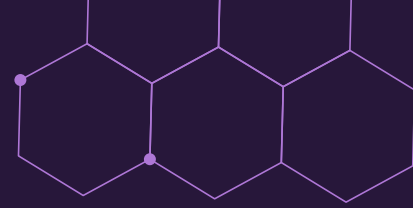
Farther up the valley, a small golden mammal is plump after a summer diet of tundra plants and seeds. As days grow shorter, the male arctic ground squirrel tunnels into the earth to prepare its burrow. He digs an underground chamber, about the size of a basketball, and stuffs it with grasses and tufts of caribou fur. Then he collects and stores seeds and berries.

Sik... sik... sik. The squirrel chatters a warning signal. Across the river, a grizzly bear browses on berries and digs up thick potato-like roots with her sharp claws. Alarmed by this huge predator, the squirrel dashes beneath the tundra. Like the squirrel, this grizzly will soon dig her winter den on a mountain slope.

As snowflakes swirl, the squirrel is ready to hibernate. He curls into a ball in his burrow, then slowly supercools his body, lowering his temperature to just below the freezing point of water.

His heart rate gradually drops to three beats per minute, and his brain activity ceases.

This is a cold form of survival, but not death. The squirrel is in a state of suspended animation, waiting for the spring thaw.





40 Degree

Adapted Reading Passage

In the big mountains by the Koyukuk River, there are many animals getting ready for winter. The caribou walk by the river with their new fur coats and antlers. They ate a lot over the summer, so now they have a thick layer of fat to keep them warm. Other animals like chickadees, squirrels, and weasels are also preparing. They hide food and find places to stay safe from the snow. The nights are getting colder and the pond is starting to freeze. But even when it's frozen, the Alaska blackfish can still swim because it can breathe through its mouth. The wood frog freezes too, but it's still alive and will wake up in the spring.

There is a squirrel who lives near the river. He can talk to other animals by making a special sound. One day, he heard a warning signal and saw a big bear eating berries. The squirrel got scared and hid underground. When it started snowing, the squirrel knew it was time to hibernate. He curled up in his burrow and made his body very cold. It looked like he was dead, but he was just sleeping deeply. After a few weeks, he woke up and warmed up his body. This happened many times during the winter to save energy.

In the winter, there is snow everywhere. Some animals can walk on the snow easily, but others fly away or hide in the snow. The ptarmigan hides to stay safe and warm. The chickadee puffs up its feathers and finds a cozy place to sleep. At night, while birds are sleeping, other animals like wolves and caribou are moving around. They have special ways to stay warm in the Arctic. Grizzly bears sleep in dens with their cubs and use stored fat to survive. Dall sheep find spots behind rocks to rest. Musk oxen stand close together in a circle to protect themselves from wolves.

When the snow starts to melt, insects wake up and enjoy the sun. The woolly bear caterpillar comes out after being covered in snow for eight months. It eats a leaf and spends many winters as a caterpillar. Near a pond, a wood frog wakes up and makes a sound to find a mate. Beavers and blackfish swim in the water, and ground squirrels come out of their burrows. In June, as the days get warmer, more life appears. Caribou eat lots of food, baby grizzly bears play, and birds come back to make nests. The world becomes full of life again.

Vocabulary, Multiple Choice Questions, and Open Ended Questions

caribou (noun)

A large animal with big antlers that lives in cold places.

Example Sentence: The caribou walked across the snowy field.

antlers (noun)

The horns that grow on the heads of some animals, like deer and caribou.

Example Sentence: The caribou has big antlers that help it find food.

lemmings (noun)

Small animals that live in cold places and have short tails.

Example Sentence: The weasel caught a lemming for dinner.

burrow (noun)

A hole in the ground that an animal digs to live in.

Example Sentence: The ground squirrel sleeps in its burrow during the winter.

ptarmigan (noun)

A bird that lives in cold places and changes its color to match the snow.

Example Sentence: The ptarmigan hid in the snow to stay warm.

Multiple Choice Questions

1. What do caribou do during the summer to prepare for winter?

- A) They eat a lot of food
- B) They sleep deeply
- C) They find mates
- D) They hibernate

2. What do some animals do when it snows?

- A) They hibernate
- B) They find mates
- C) They make warm nests
- D) They eat a lot of food

3. What happens to the animals when spring comes?

- A) They find mates
- B) They hibernate
- C) They sleep deeply
- D) They wake up and enjoy warmer days

Short Answer Questions

1. What do caribou do during the summer to prepare for winter?

2. What do some animals do when it snows in the Arctic?

3. What happens to the animals when spring comes in the Arctic?

Open-ended Prompts

1. How do you prepare for winter?

2. What do you do when it snows?

3. What do you enjoy doing in the spring?

Chat PDF

Overview

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ChatPDF is designed to interact with and extract information from PDF documents and allows users to ask questions about the content of a PDF. This can be particularly useful for quickly finding specific details, summarizing sections, or understanding complex documents without having to read through the entire text manually.

Features

- Free

Key features:

1. Question-Answering:
2. Summarization:
3. Content Extraction:
4. Interactive Navigation:

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Magic AI for School

Overview

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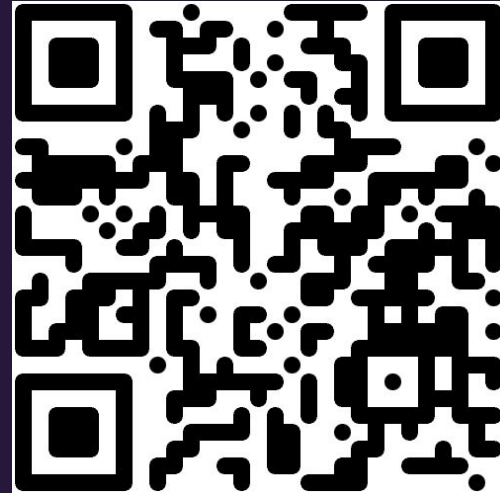
Offers special education teachers the ability to personalize support by generating IEPs, conducting diagnostic assessments, and scaffolding assignments. The AI tools can also recommend accommodations and level texts to meet diverse needs.

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Features

- Free Academic Content Generator
- Develop comprehensive BIP's
- Accommodation suggestions
- Assignment Scaffolder
- Choice Board Generator
- Decodable text generator

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Carnival-Themed Math Word Problems for 4th Grade

Sure, let's incorporate three-digit numbers into the word problems while keeping the carnival theme and adhering to the math standard CCSS.MATH.CONTENT.4.OA.B.4. Here are the revised word problems:

Carnival-Themed Math Word Problems for 4th Grade

1. Ticket Counting

Mia and her three friends went to the carnival. Each of them bought 12 tickets. How many tickets did they buy in total?

2. Prize Distribution

At the carnival, there are 56 prizes to be given away. The prizes are evenly divided into 8 prize baskets. How many prizes are in each basket?

3. Game Booths

There are 24 game booths at the carnival. Each game booth has 6 prizes. How many prizes are there in total at all the game booths?

1. Ticket Counting

Mia and her three friends went to the carnival. Each of them bought 125 tickets. How many tickets did they buy in total?

2. Prize Distribution

At the carnival, there are 672 prizes to be given away. The prizes are evenly divided into 8 prize baskets. How many prizes are in each basket?

3. Game Booths

There are 144 game booths at the carnival. Each game booth has 6 prizes. How many prizes are there in total at all the game booths?

Goblin Tools

Overview

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Goblin Tools is a suite of accessibility-focused micro-apps designed to assist neurodivergent individuals with tasks such as planning, scheduling, and understanding complex instructions. It includes features like a task breakdown tool, a time management helper, and a readability analyzer.

Features

- Free through website, App is \$0.99
- To Do List
- Formalizer
- Judge
- Professor
- Estimator
- Compiler
- Chef

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Gemini

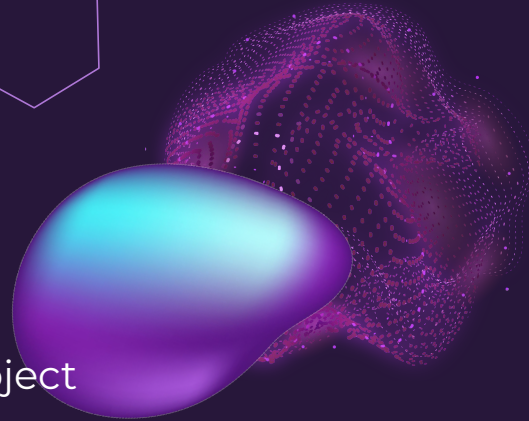
Overview

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processes various information types, (example, text, code, images, audio, and video)

Your use of Gemini in Gmail, Docs, Sheets, Slides, subject

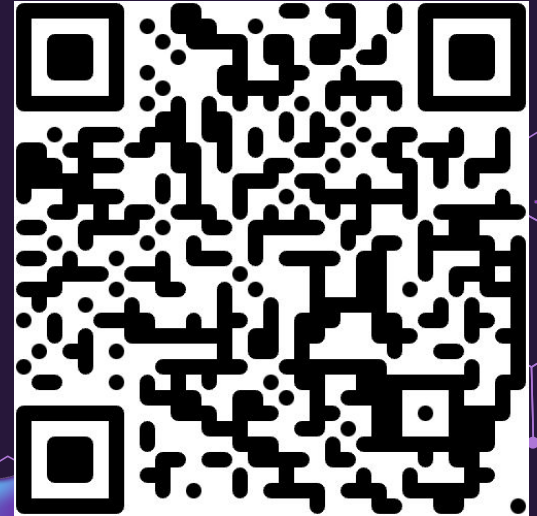
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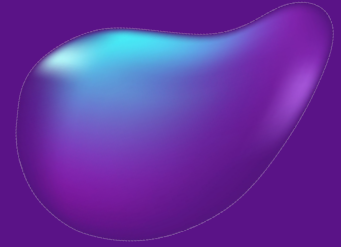
Feature

- Free subject to monthly limit 500 times per month
- Content Generator (lesson plans, activities, assessments, etc.)
- Teaching Assistant (professional duties, accessibility of student learning, lexile leveler, etc.)

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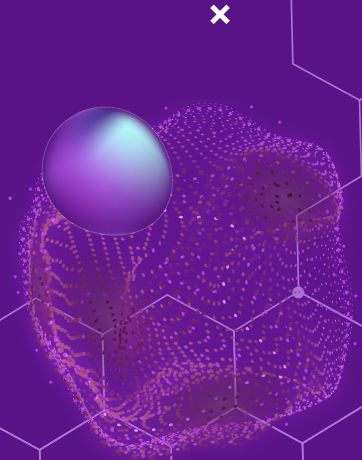
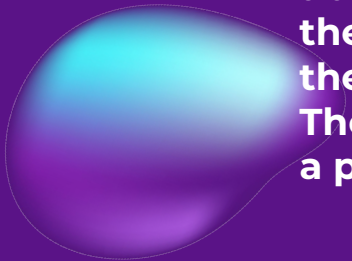
The smell of popcorn and cotton candy filled the air as Leo and Maya walked hand-in-hand toward the carnival entrance. Leo, with his bright red shoes, skipped ahead, his eyes wide with excitement. Maya, a bit more cautious, held tightly onto her dad's hand.



"Look, a Ferris wheel!" Leo exclaimed, pointing excitedly. He could barely contain his joy, bouncing on his toes. Maya, though a bit nervous about the height, decided to join Leo's excitement. "Let's go!" she shouted, pulling her dad towards the colorful, spinning giant wheel.

x

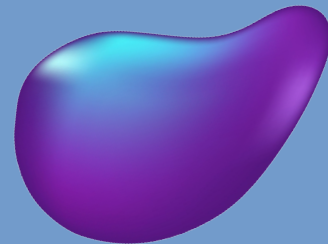
Their faces lit up with wonder as they soared high above the carnival, the lights twinkling like stars. After their ride, they eagerly explored the booths, trying their luck at ring toss and giggling at the silly prizes. The carnival was full of magic and laughter, making it a perfect day for Leo and Maya.



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Prompt to list prefixes and suffixes in passage

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You're right! There are a few words in the passage that have prefixes and suffixes:

* **excitement** (excite + -ment)

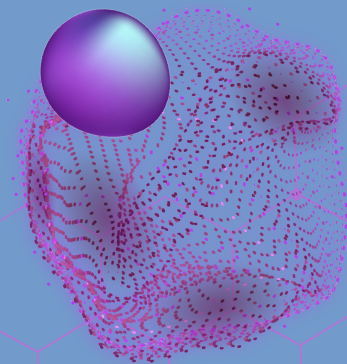
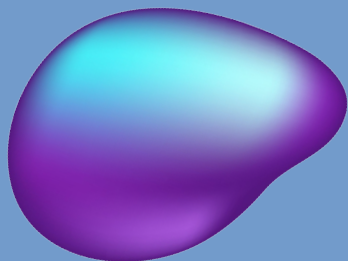
* **carefully** (care + -ful + -ly)

* **giggling** (giggle + -ing)

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Let me know if you'd like me to find more examples!

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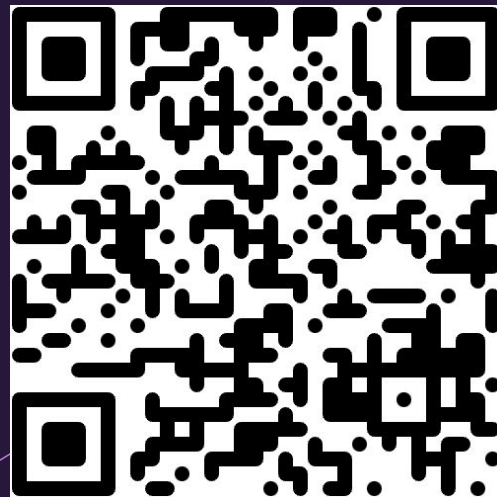
IEP Copilot

Overview

Writing tool that uses the power of AI to write portions of IEP.

Features

- Free
- Rapid goal generation
- Develop comprehensive BIP's
- Customizable teaching strategies



Grade Level: 4th Grade

Goal Subject: Math

Topic: Subtraction of 4-digit numbers with regrouping

Goal Standard: By the end of the 4th grading period, [STUDENT] will accurately subtract 4-digit numbers with regrouping across zeros in four out of five attempts, as measured by teacher-created assessments.

Quarter 1 Benchmark (By the end of the 1st Quarter): [STUDENT] will demonstrate an understanding of the subtraction algorithm by subtracting 2-digit numbers with regrouping in three out of four attempts with 80% accuracy. Activities for measurement can include:

- Completing worksheets that focus on 2-digit subtraction with regrouping.
- Participating in teacher-guided subtraction activities using manipulatives to visualize the regrouping process.
- Engaging in math centers that incorporate games emphasizing 2-digit subtraction with regrouping.

Quarter 2 Benchmark (By the end of the 2nd Quarter): [STUDENT] will accurately subtract 3-digit numbers with regrouping in four out of five attempts with 85% accuracy. Activities for measurement can include:

- Solving word problems that require the subtraction of 3-digit numbers with regrouping.
- Using base-ten blocks or other physical manipulatives to demonstrate the subtraction of 3-digit numbers, emphasizing the regrouping process.
- Completing digital quizzes that provide immediate feedback on subtraction skills, specifically focusing on 3-digit numbers with regrouping.

Quarter 3 Benchmark (By the end of the 3rd Quarter): [STUDENT] will successfully subtract 4-digit numbers without regrouping across zeros in three out of four attempts with 90% accuracy. Activities for measurement can include:

- Completing math journal entries that explain the steps to solve subtraction problems involving 4-digit numbers without regrouping across zeros.
- Participating in peer tutoring sessions where [STUDENT] explains and demonstrates the process of subtracting 4-digit numbers, strengthening understanding through teaching.
- Engaging in interactive subtraction games that focus on 4-digit numbers, providing opportunities for practice and reinforcement in a fun, engaging way.

End of Year Goal: By the end of the 4th grading period, [STUDENT] will accurately subtract 4-digit numbers with regrouping across zeros in four out of five attempts, as measured by teacher-created assessments. These assessments could include:

- Cumulative worksheets or tests that require the subtraction of 4-digit numbers with various levels of complexity, including regrouping.
- A portfolio of subtraction work demonstrating progression from simple to more complex problems over the year.
- Oral or written explanations of the subtraction process, highlighting [STUDENT]'s understanding of regrouping across zeros with 4-digit numbers.

This IEP goal is designed to be specific, measurable, attainable, realistic, and time-bound, gradually building [STUDENT]'s skills in subtracting larger numbers with the introduction of regrouping, a crucial math skill at the 4th-grade level.

IEP COPILOT READING

read or decode words with digraphs

Goal: By the end of the IEP period, when given a list of words containing digraphs (sh, ch, th, wh), [Student] will correctly read or decode 80% of the words independently.

Benchmark 1 (End of 1st Quarter):

- Given a list of 10 words containing digraphs, [Student] will correctly read or decode 6 out of 10 words independently.
- Activities: Teacher will provide [Student] with flashcards containing words with digraphs and ask [Student] to read them aloud.

Benchmark 2 (End of 2nd Quarter):

- Given a list of 15 words containing digraphs, [Student] will correctly read or decode 10 out of 15 words independently.
- Activities: Teacher will provide [Student] with a passage containing words with digraphs and ask [Student] to read the passage aloud.

Benchmark 3 (End of 3rd Quarter):

- Given a list of 20 words containing digraphs, [Student] will correctly read or decode 16 out of 20 words independently.
- Activities: Teacher will provide [Student] with a word search puzzle containing words with digraphs and ask [Student] to find and read each word.

- Here's a concise data sheet for documenting an IEP goal for reading words with digraphs with 80% accuracy:

Student Name: _____ Date: _____

IEP Goal: Read words containing digraphs with 80% accuracy

Date	Words Attempted	Words Correct	Accuracy %	Notes

Digraphs practiced:

☐ ch ☐ sh ☐ th ☐ wh ☐ ph ☐ ng ☐ ck

Progress:

☐ Goal met ☐ Progress made ☐ Limited progress ☐ No progress

Teacher signature: _____

Here are three activities to assess the IEP goal of reading words with digraphs with 80% accuracy:

1. Digraph Word List Reading:

Create a list of 20-25 words containing various digraphs (e.g., ship, chat, thin, when, phone). Have the student read the words aloud while you track accuracy. This provides a direct measure of the student's ability to recognize and pronounce digraphs in isolation.

2. Digraph Flashcard Speed Round:

Prepare flashcards with words containing digraphs. Show each card to the student for a brief moment (2-3 seconds) and have them read the word aloud. This activity assesses both accuracy and fluency in recognizing digraphs.

3. Short Passage Reading:

Compose a short paragraph (50-75 words) that includes multiple words with digraphs. Ask the student to read the passage aloud. Mark words with digraphs that are read correctly or incorrectly. This activity assesses the student's ability to read digraphs in context.

Would you like me to elaborate on any of these activities or suggest ways to modify them for different skill levels?

Chat GPT

Overview

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ChatGPT is an advanced AI language model developed by OpenAI, capable of understanding and generating human-like text based on the input it receives. It is used for various applications, including answering questions, providing recommendations, assisting with writing, and engaging in conversational interactions.

Features

- Free
- Prompt Dependant
- Easy to use

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Chat GPT

Example

Prompt "Who are the main characters in Harry Potter?"

Prompt "Make a fill in the blank quiz about these characters"

Prompt "Make an Answer Key"

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Curipod

Overview

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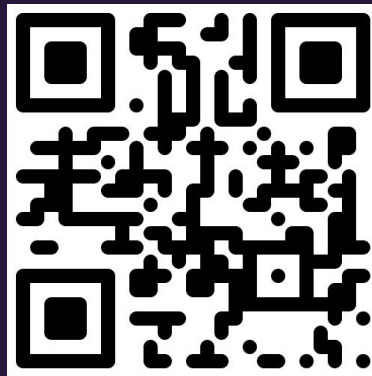
Writing tool that uses the power of AI to write portions of IEP.

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Features

- Free
- Rapid goal generation
- Develop comprehensive BIP's
- Customizable teaching strategies

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Canva

Overview

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Canva's AI tools enhance design creation by offering features like Magic Resize, which automatically adjusts designs to different dimensions, and Magic Write, an AI-powered text generator.

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Features

- Free for teachers
- Photo Generator
- Magic Write

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Canva

Example

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“A Unicorn surfing in Kansas”



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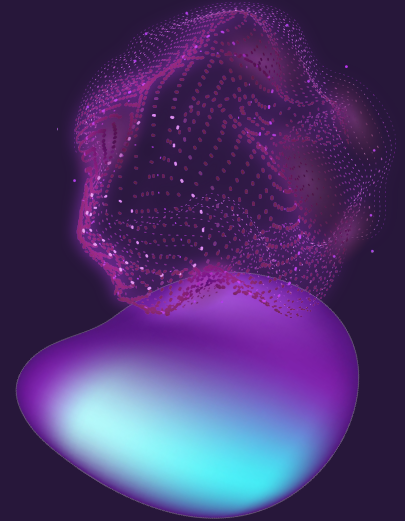
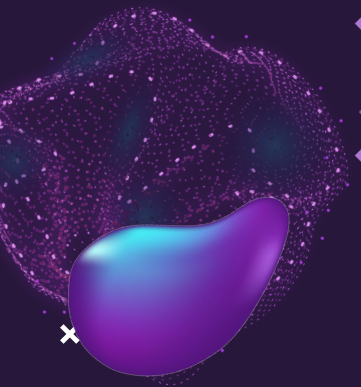
AI IN A NUTSHELL

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- ◆ Automate administrative tasks such as emails, parent reports, and data tracking
- ◆ Provide insights into student performance through data analysis
- ◆ Assist in lesson planning and curriculum development
- ◆ Offer support writing SMART goals and objectives

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- ◆ Enable efficient communication with students and parents through chatbots or virtual assistants
- ◆ Be aware of confidentiality, bias, and accuracy



Resources

This document has a variety of AI websites.

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<https://docs.google.com/spreadsheets/d/1SFPuZ0wh7v2RBuCTVmj9EUBSvLM7kZ4L-yLHG7e8Ygk/edit?usp=sharing>

Prompt Library for Teachers

<https://www.aiforeducation.io/prompt-library>

Prompt Storm

<https://promptstorm.app/>

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