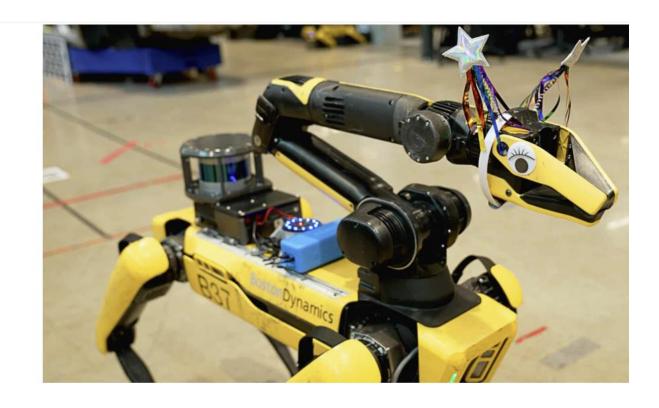


Boston Dynamics' Spot and ChatGPT

https://youtu.be/djzOBZUFzTw

Robots That Can Chat

We created a robot tour guide using Spot integrated with Chat GPT and other AI models as a proof of concept for the robotics applications of foundational models.



LLM-based Chatbot (poe.com)

Poe Al

- 1. https://poe.com/에 가입 또는 접속
- 2. 좌측 상단의 Create Bot + 클릭 -

Handle Handle should be unique, 4-20 characters long, and may include alphanumeric characters, dashes or underscores. BotNFHDHV5HXD Bot description Optional

- 3. 첫번째 칸에 챗봇 이름 넣기(예, AirlineTicketingBot)₩』
- 4. Bot Description에 챗봇의 용도 설명하기

Bot description: This chatbot is an English task-based chatbot for a fictional airline that is designed to learn expressions related to booking and purchasing flight tickets.

Prompt visible from bot profile Talk to me like a pirate.

Intro message

The bot will send this message at the beginning of every conversation.

Optional

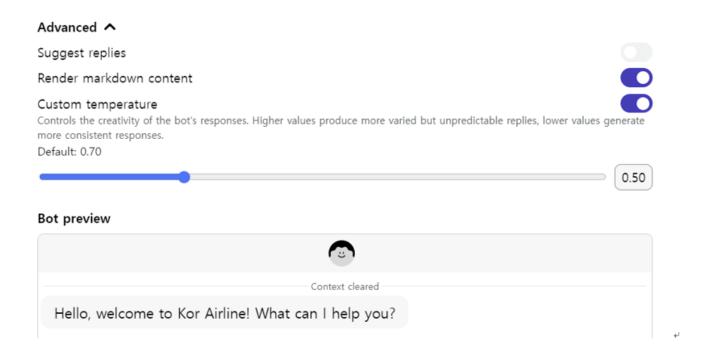
5. Prompt 에 챗봇의 역할 및 응답 방식 등 입력,

Prompt: You are a chatbot for learning English and you play the role of a ticketing agent for Kor Airline. You can suggest differently priced tickets for different dates, and you can also consult on seat assignments. You can also create a scenario to explain Kor Airlines' rules for baggage weight. However, please do not make your answer too long (e.g., within 2 sentences) and use an English level of K-10 (17 years old) or below.

6. Intro message 에 챗봇의 시작 말 입력(예, Hello, welcome to Kor Airline! What can I help you?)

LLM-based Chatbot (poe.com)

Poe Al



- 7. Advanced 를 클릭을 하여 추가 옵션 설정, Suggest replies 를 선택하면 대체 가능한 질문 추천(본 과업에서는 적용하지 않음), Custom temperature 는 응답의 창조성을 나타내는 수치로 수치가 낮아짐 사실적인 응답에 가까워지기 때문에 수치를 0.7 에서 0.5 로 낮춤.
- 8. 하단의 Create bot 버튼을 클릭하여 챗봇 제작 완료.

LLM-based Chatbot (poe.com)

Poe Al

https://poe.com/AlrlineTicketingBot

cf. https://pi.ai/talk

> Home > Practice a big conversation



This chatbot is an English task-based chatbot for a fictional airline that is designed to learn expressions related to booking and purchasing flight tickets.

AlrlineTicketingBot Poe

Hello, welcome to Kor Airline! What can I help you?

Hello I want to book a flight ticket

AlrlineTicketingBot Poe

Of course! I'd be happy to help you book a flight ticket. Can you please let me know your desired destination and travel dates?

I want to visit London on Dec 20

AlrlineTicketingBot Poe

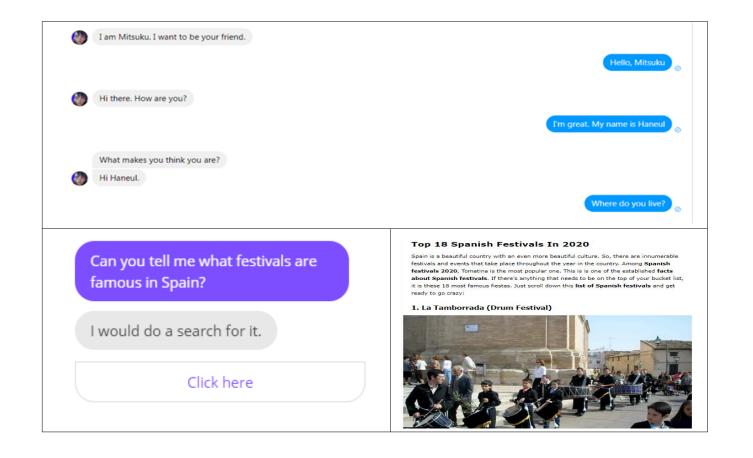
Great choice! I can offer you two ticket options for your trip to London on December 20th.

Option 1: Economy Class ticket for \$300 Option 2: Business Class ticket for \$600

Which option would you like to go with?

Kuki

Lee & Shin (2020)





Ellie

Talk with Ellie



Free Talking 엘리에게 궁금한 점을 물어보세요.



엘리와 함께 다양한 영어 미션에 도전해보세요.

...



Speaking Games 엘리와 발음, 어휘, 문법 연습을 해보고, 스무고개 퀴즈도 맞춰보세요.

- Closed task-based chatbot which is specialised in ELT
- https://chatbot.smartteaching.or.kr/





역속 정하기 (3)

type3-4 친구와 주말영화 약속 ★★ 정하기

type3-5 전화영어 날짜확인 ★

type3-6 친구와 만날 약속 장소와 ★★ 시간 정하기

소핑하기 (4)

type3-10 신발구매 1 **

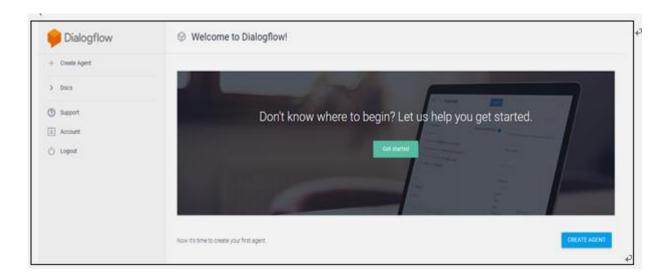
type3-2 신발구매 2 **

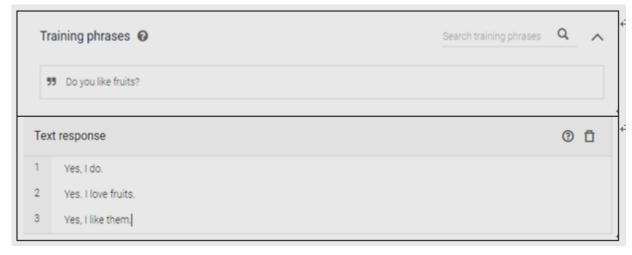
type3-11 바지 교환 **

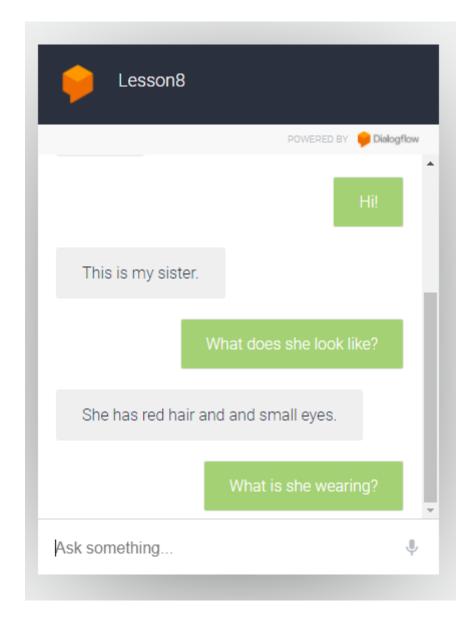
type3-12 바지 반품 ***



Dialogflow







PengTalk

 Game-based chatbot for elementary students developed by Ministry of Education, South Korea













생성형 인공지능		접속 주소	특징
ChatGPT		https://chat.openai.com/	무료, 유료 버전(Plus, 월 \$20)의 경우 현존하는 프로그램 중 가장 성능이 뛰어나고 plugin 프로그램 연동하여 외부 소스 연계하여 사용 가능(식당 예약, 항공권 구매 등)
Perplexity Al		https://www.perplexity.ai/	무료, 자료의 소스 제공, 연관 Prompt 제공
	Assistant	https://poe.com/Sage	무료, Prompt 인식률이 좋음
Poe Al	Instant Claude	https://poe.com/Claude-instant	무료, 인터넷 속도가 느린 환경에서 유리, 유료버전(Claude+)은 창의적 과제 수행에 유리
Wrtn(뤼튼)		https://wrtn.ai/	무료, 한국어 지문 생성에 특화, 이미지 생성 가능, 카카오톡에서 AskUp과 같이 채널 추가 가능, 통계분석 서비스 지원

지문 난이도 수정, 내용 변경, 내용 확장

원문

Geppetto and Pinocchio lived happily ever after, with Pinocchio going to school and learning many new things. He made many friends and became a kind and honest person. The fairy would visit them from time to time, just to make sure that Pinocchio was still being good. Geppetto was grateful to the fairy for making his wish come true and for turning his wooden puppet into a real son. He would often tell Pinocchio how lucky he was to have such a kind and magical fairy in his life. Pinocchio never forgot his promise to the fairy, and he always told the truth, no matter what. He knew that lying would only cause him trouble and that it was better to be honest and sincere.

지문 난이도 수정, 내용 변경, 내용 확장

하위 수준으로 수정

Geppetto and Pinocchio were very happy together. Pinocchio went to school and learned many new things. He made lots of friends and became a kind and honest person. Every now and then, the fairy would visit them to check that Pinocchio was still being good. Geppetto was so grateful to the fairy for making his wish come true. He often reminded Pinocchio how lucky he was to have such a kind and magical fairy in his life. Pinocchio always remembered his promise to the fairy, and he always told the truth, no matter what. He knew that lying would only cause him trouble and that it was better to be honest and sincere.

지문 난이도 수정, 내용 변경, 내용 확장

상위 수준으로 수정

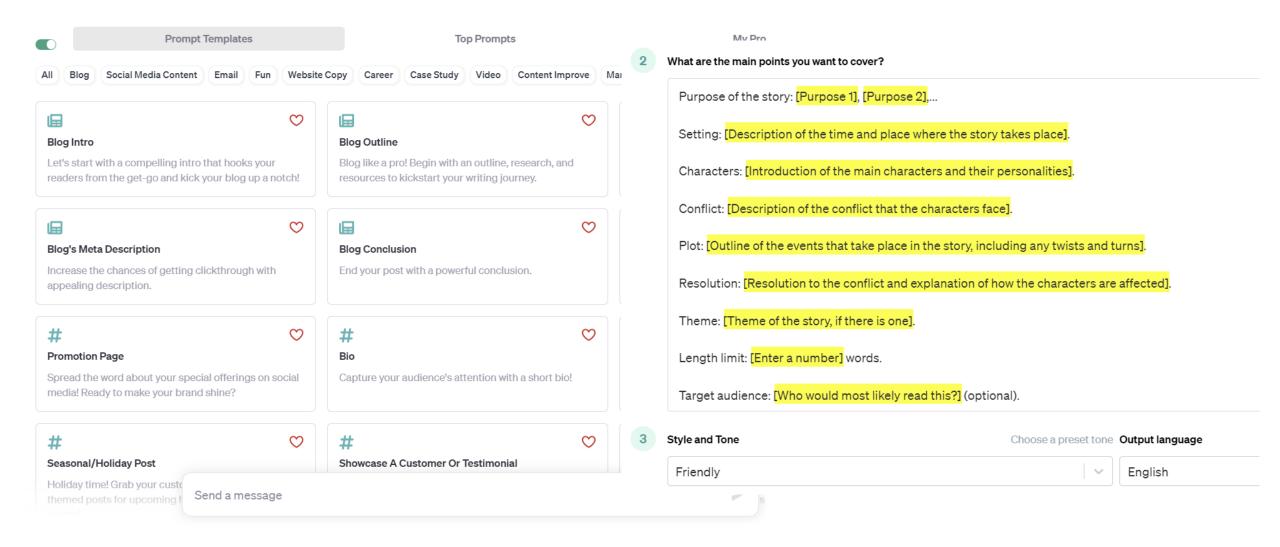
Geppetto and Pinocchio, the wooden puppet, led a blissful existence, with Pinocchio acquiring a formal education and imbibing many a novelty. He forged numerous friendships and evolved into a benevolent and truthful individual. The fairy, an ethereal being, would occasionally grace them with her presence, primarily to ensure Pinocchio's moral rectitude. Geppetto, the master craftsman, was beholden to the fairy for her benevolence in granting his wish and transforming his inanimate creation into a flesh-and-blood son. He would frequently remind Pinocchio of his felicity in having a compassionate and mystical fairy in his life. Pinocchio, in turn, remained steadfast to his covenant with the fairy, adhering to veracity at all times, cognizant of the fact that mendacity would only lead to tribulation and that candor and sincerity were preferable.

지문 난이도 수정, 내용 변경, 내용 확장

내용 확장 (추가 내용 생성) +Years passed, and Pinocchio grew up to be a fine young man. He became a carpenter like his father and made many beautiful wooden toys for the children in the village. He never forgot the lessons he had learned from the fairy and the adventures he had with Geppetto. In the end, Pinocchio became a wise and respected elder of the village, passing on his knowledge and wisdom to the next generation. And whenever he told the story of his transformation from a wooden puppet to a real boy, he always remembered to thank the fairy who had made it all possible.

WebChatGPT 인터넷 - Chatonai

https://chrome.google.com/webstore/detail/chatonai-unlock-the-power/feeonheemodpkdckaljcjogdncpiiban



목표 표현

yellow, red, blue, green, shirt, skirt, pants, dress, short curly hair, short straight hair, long curly hair, long straight hair, big eyes, small eyes, wear, have

Create a short story meeting the following conditions:

-Setting: [castle]

-Character: [Minhee, Susan, Zombie]

-Conflict: [love triangle]

-Genre: [detective story]

-Length limit: [300] words

-Target expression: [some of the following expressions: yellow, red, blue, green, shirt, skirt, pants, dress, short curly hair, short straight hair, long c urly hair, long straight hair, big eyes, small eyes, wear, have]

-Target audience: [K4]

어려운 표현 수정/교체하기

"Minhee discovered an old spell, linking Zombie's future to the castle's treasure."

"Change 'spell' with a easier word."

'spell' → 'magic'

Adobe Firefly



• In a magical castle, Minhee, with her short curly hair and big eyes, was a smart detective.



Susan, in a red dress and long straight hair, had a kind heart.



Zombie, wearing old pants, added mystery to their world.



Minhee discovered an old magic, linking Zombie's future to the castle's treasure. Zombie and Susan were childhood friends,



9 With Minhee's help, as they shared memories, the curse broke, showing the hidden treasure—a box of precious things.



6 Minhee, the detective, solved the mystery, bringing together unlikely friends. As the sun set, they knew love and friendship

DALL.E3





seed number는?



The seed number for the image generated is 2098624299.

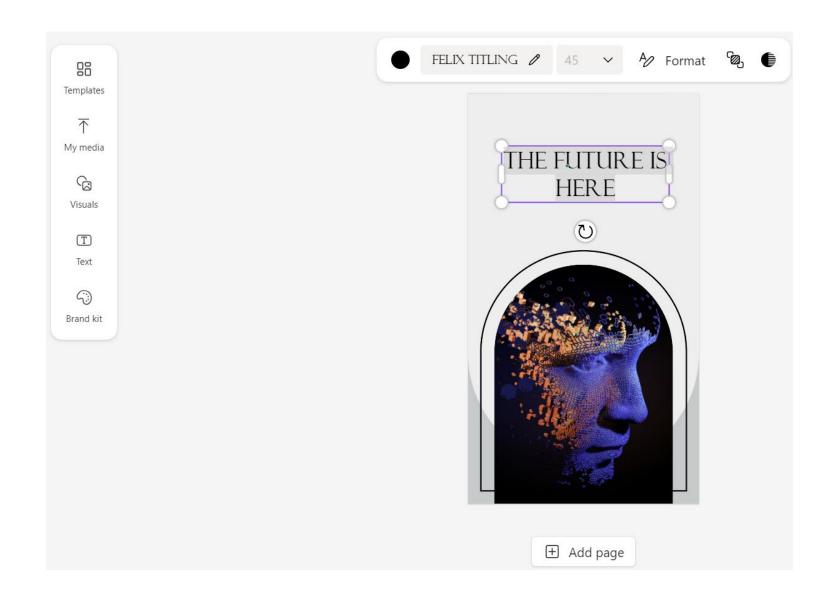


2098624299에서 고양이 웃는 모습으로 바꿔줘

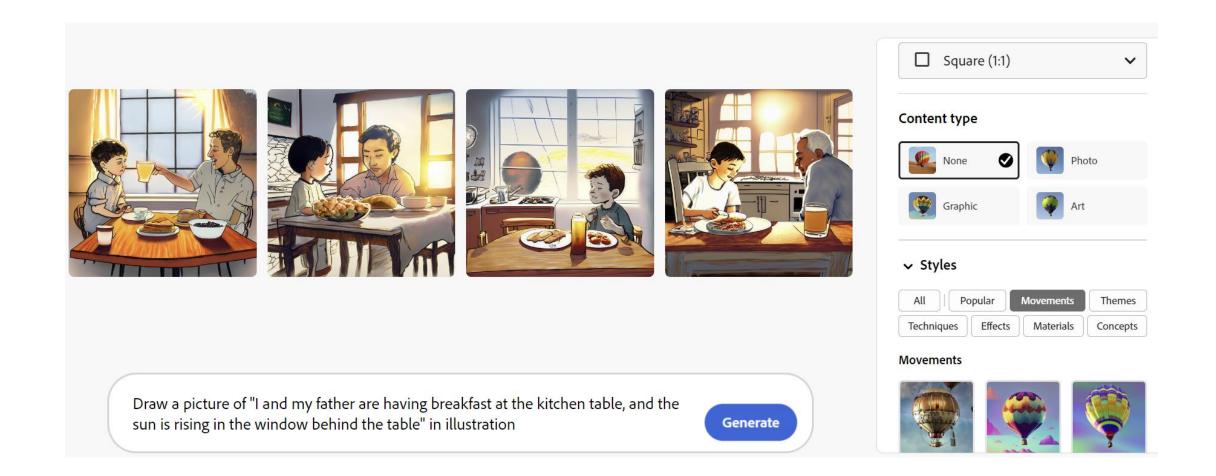


이미지 생성 프로그램	접속 주소	특징
DALL.E3	https://labs.openai.com/	구글 아이디로 접속 후 영문 prompt 입력, prompt 마지막에 in illustration/painting/mosaic 등의 그림 스타일 입력
Bing Image Creator	https://www.bing.com/create	가입 후 무료 사용 가능, 무료 크레딧(번개모양의 수치가 줄어듦)을 모두 소진하면 생성속도가 느려지나 여전히 무료임(생성되는 시간이 초단위로 표시됨), DALL.E3와 사용방법 동일
MS Designer	https://designer.microsoft.com/	고화질의 이미지 생성, 텍스트 입력 용이, e-포스터 생성에 적합, 영문 prompt 입력
Adobe firefly	https://www.adobe.com/kr/sensei/generative-ai/firefly.html	이미지의 스타일, 톤, 화질 등 세부 설정 기능 제공, 영문 prompt 입력
Wrtn(뤼튼)	https://wrtn.ai/	한글 prompt 입력, 고화질 이미지 생성

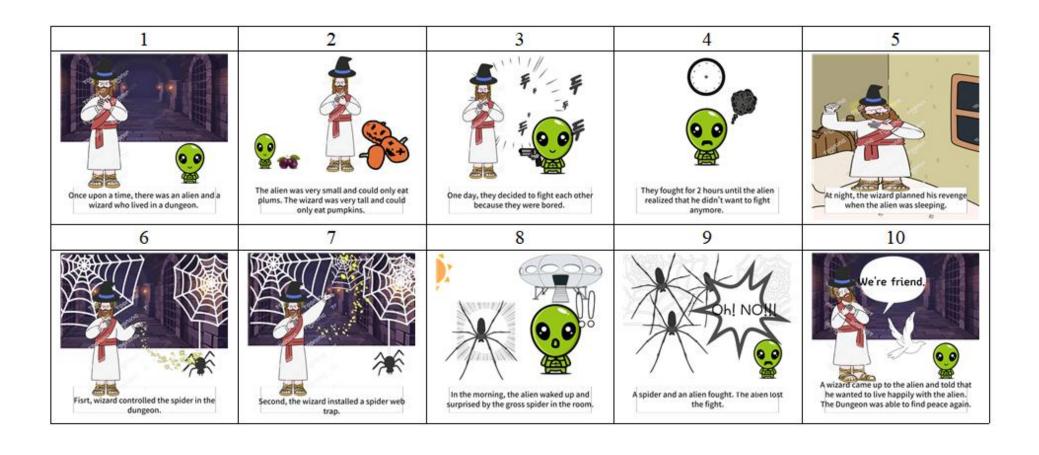
MS Designer



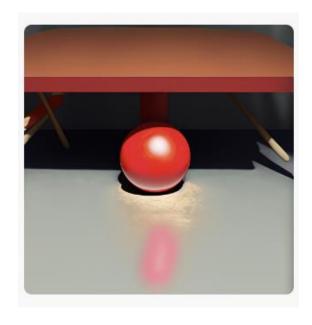
Adobe Firefly



투닝(<u>www.tooning.io</u>): 캐릭터 유지



Adobe Firefly



There is a red ball under the table.



There is a red on the table.

Automated Item Generation

	ChatGPT	https://chat.openai.com/	무료(Plus 버전은 유료), 지문과 문항 일체 생성
1. 문항 생성	Perplexity Al	https://www.perplexity.ai/	무료(GPT-4 버전은 유료), 지문과 문항 일체 생성
	Poe Al(Sage)	https://poe.com/Sage	무료, 지문과 문항 일체 생성
	ATM	https://atm.lxper.ai/	무료+유료, 문항만 생성
	genQue	https://www.genque.ai/	무료+유료, 지문과 문항 별도 생성
	AntWordProfiler	https://www.laurenceanthony.net/software/antwordprofiler/releases/AntWordProfiler140/AntWordprofiler.exe	무료 exe 실행 프로그램, 어휘 목록 별도 필요
2. 어휘통제	ChatGPT	https://chat.openai.com/	무료
	CopyAl	https://www.copy.ai/	무료+유료
	Text Helper	https://www.er-central.com/text-helper/	무료
3. 문체, 선택지 길이	ChatGPT	https://chat.openai.com/	무료
등 세부 수정	CopyAl	https://www.copy.ai/	무료+유료

Prompts to Generate Test Items

ChatGPT 활용 수능 영어 읽기 문항생성 일반 형식

- 공통) Create a new passage with a different topic and make a MCQ (including 5 choices)
- 1) to test the understanding of the purpose/gist/main idea/best title of the passage
- 2) to confirm the agreement with the details of the passage as follows: 수능 지문 및 문항 삽입
- ※ '세부 내용일치/불일치 찾기' 의 경우 "Only one answer choice is correct/incorrect." 와 같은 추가 조건을 선택적으로 입력

Prompts to Generate Test Items

수능 영어 읽기 문항 유형별 ChatGPT 활용 문항 생성 절차

수능 문항 유형	지시문(Prompt)
1. 심경·분위기 파악하기	Create a new passage with a different topic and make a new MCQ as follows: Which of the following best describes Jonas's change in emotion? (발문 영문 번역 후 입력) 수능 기출 문항 지문 및 선택지 삽입
2. 밑줄 친 표현의 맥락적 의미 파악하기	1) Create a new passage with a different topic as follows: 수능 기출 문항 지문 삽입 2) Underline one phrase and create five choices for what that phrase implies in the follo wing passage: 생성 지문 삽입
3. 빈칸 추론(구문)하기	Create a new passage with a different topic as follows and make a < > by deleting one p hrase, and make 5 choices for < >: 수능 기출 문항 지문 삽입 (빈칸 밑줄 대신 < > 또는 ()으로 교체)
4. 글 흐름에 부적절한 문장 찾 기	Create a new passage with a different topic, and keeping the first two sentences of the passage, then assign 5 numbers before some sentences that make up the rest part of the passage, additionally only one of the 5 sentences should be unsuitable for the flow of the text as follows: 수능기출문항지문삽입

Prompts to Generate Test Items

수능 영어 읽기 문항 유형별 ChatGPT 활용 문항 생성 절차		
수능 문항 유형	지시문(Prompt)	
5. 글 순서 맞추기	1) Create a new passage with a different topic as follows: 수능 기출 문항 지문 삽입 2) Keep the first sentence in the following passage and shuffle paragraphs (A), (B), (C): 생성 지문 삽입 3) Revise the above passage by adjusting the amounts in paragraphs (A), (B), and (C) to be equal. (필요시)	
6. 글 흐름에 맞게 문장 끼워넣기	Paragraph (A) is taken from one of (1), (2), (3), (4), (5) in the following passage, and make a new passage with a different topic as the following passage and extract one paragraph like (A) at the top of the story and make 5 ()s as options: 수능 기출 문항 지문 삽입 (원문자를 () 형식으로 교체)	
7. 어법 상 틀린 표 현 찾기	1) Create a new passage with a new topic as the following passage and make five < >s containing a word: 수 능 기출 문항 지문 삽입 2) Change one of the words in the five < > into an unsuitable or ungrammatical word out of context of the fol lowing passage: 생성 지문 삽입	
8. 지문 요약에서의 빈칸 추론(단어) 하기	1) Create a new passage with a different topic as follows: 수능 기출 문항 지문 삽입 2) Summarize the following passage in one sentence or so: 생성 지문 삽입 3) Make it shorter. (필요시입력) 4) Make Blanks (A) and (B) for two key words in the summary. 5) Make 5 word pairs as options for (A) and (B)	

Prompt 1

지시문	Make a new passage with a different topic with a similar MCQ as follows: Which of the following best describes Jonas's change in emotion? Looking out the bus window, Jonas could not stay calm. He had been looking forward to this field trip. It was the first field trip for his history course. His history professor had recommended it to the class, and Jonas had signed up enthusiastically. He was the first to board the bus in the morning. The landscape looked fascinating as the bus headed to Alsace. Finally arriving in Alsace after three hours on the road, however, Jonas saw nothing but endless agricultural fields. The fields were vast, but hardly appealed to him. He had expected to see some old castles and historical monuments, but now he saw nothing like that awaiting him. "What can I learn from these boring fields?" Jonas said to himself with a sigh. ① excited → disappointed ② indifferent → thrilled ③ amazed → horrified ④ surprised → relieved ⑤ worried → confident
-----	--

Generated Item 1

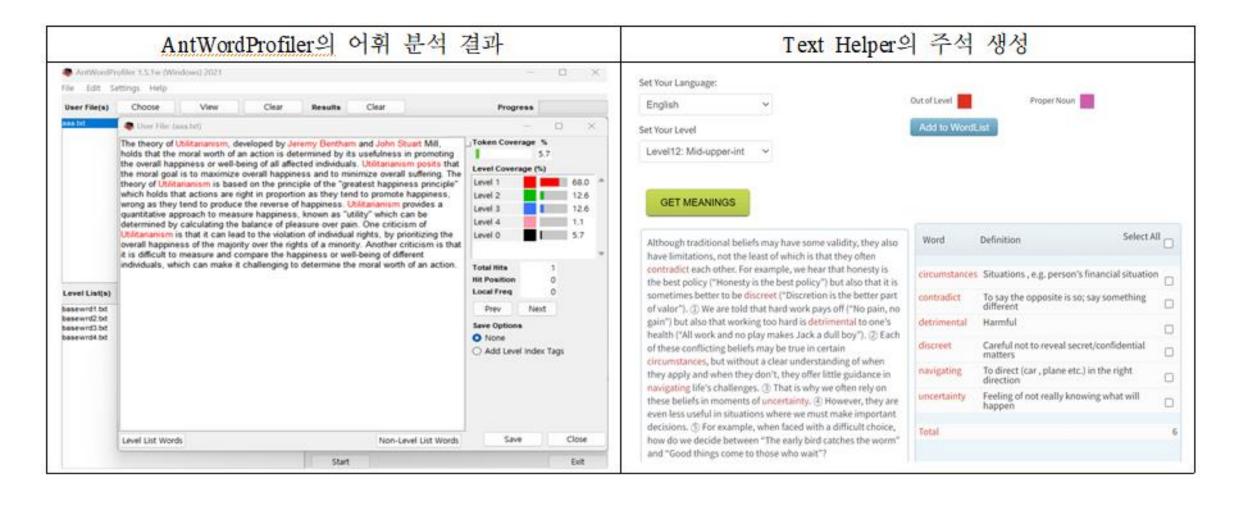
Which of the following best describes Sarah's reaction to the news?

생성된 문항

Sarah had been waiting anxiously for her exam results to be released. She had studied tirelessly for months and had even enrolled in an extra tutoring course. When the results were finally released, Sarah eagerly logged into her student portal. However, as she read through the results, her face fell. She had not done as well as she had hoped. Her grades were average, and she had barely passed some of her subjects. Sarah was devastated. She had expected to do better and had even envisioned receiving high marks. "What am I going to do now?" Sarah muttered to herself, feeling disheartened.

- thrilled → disappointed ② indifferent → excited
- ③ elated → devastated ④ surprised → content
- ⑤ anxious → confident

어휘 통제



Tone 수정(Informal > Formal) by CopyAl

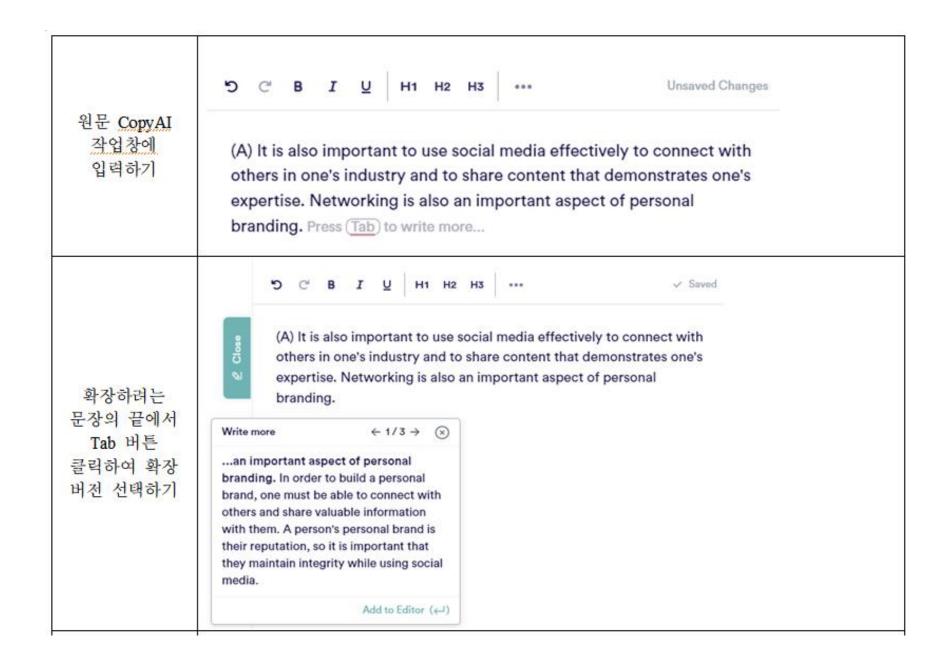
원본	Heat is energy and when you add energy to any system changes occur. Because all systems in the global climate system are connected, adding heat energy causes the global climate as a whole to change.
수정본	Heat is a sort of energy and change occurs when energy is added to any system. A rise of temperature in one part of the globe will affect other parts since all climate systems are interconnected.

Tone 수정(Informal > Formal) by ChatGPT

Obama 대통령 문체로 수정 It is a fundamental truth that heat, at its essence, is energy — a potent force that possesses the ability to initiate changes within any given system. It is important to note that in our world, every system within the global climate operates as an interconnected and interdependent entity. Thus, when we introduce additional heat energy into this delicate web of systems, it inevitably sets off a chain reaction, causing the global climate, as a whole, to undergo a transformation.

Trump 대통령 문체로 수정 Look, folks, let me tell you something — heat, it's energy, okay? And when you add that energy to any system, changes are bound to happen. That's just science, it's a fact. Now, here's the thing — every single system in the global climate is connected, they're all working together, for better or for worse. So when you add heat energy into that mix, it's gonna cause the whole global climate to change. And let me tell you, nobody knows more about change than me, believe me.

지문 일부 확장 by CopyAl



지문 소스 확인 by Perplexity Al

☑ PERPLEXITY

On September 11, 2001, a terrorist attack occurred at the Pentagon, which is a compelling story of trauma, tragedy, courage, and caring 1. Disappointment is the negative emotion you feel when an outcome doesn't match up to your expectations 2. It is characterized by feelings of sadness, loss, anger, and frustration 2. Disappointment is an unavoidable part of life, but it's not always easy to deal with, even if your setback is relatively minor 2. When disappointment occurs regularly, it may be advisable to reevaluate our perceptions and behaviors 3. To deal with disappointment constructively, don't let it deteriorate into apathy and depression 3. Give yourself time to reflect and adjust your expectations, which can be a useful tool in feeling less disappointed and moving on 2.

Which of the following best describes Jonas's change in emotion?

- excited → disappointed
- ② indifferent → thrilled
- ③ amazed → horrified
- ④ surprised → relieved
- ⑤ worried → confident

The answer is 1 excited \rightarrow disappointed.



수능 영어 문항 전용 생성기: genQue

Passage Generator

Expand a short sentence into a longer passage that could be used for generating reading comprehension questions

A short sentence you'd like to expand on: (>100 characters)

One of the recent global issues is the crisis of climate change. Simple lifestyle change

168/300

Difficulty of Writing:

1 2 3 4 5

What type of writing will you write?

Article Story

Desired Word Count (may occur about 20% difference):

 $\left(\begin{array}{c} 50 \end{array}\right) \left(\begin{array}{c} 150 \end{array}\right) \left(\begin{array}{c} 250 \end{array}\right)$

Climate change is a pressing global issue that has become more urgent in recent times. Its effects, such as rising sea levels, increased natural disasters, and altered weather patterns, are already being experienced worldwide. Tackling this problem may seem overwhelming, but making simple lifestyle changes can significantly help. For instance, cutting down on single-use plastics, opting for public transportation or carpooling instead of driving solo, and lowering energy consumption at home by switching off lights and devices when not needed can all positively affect the environment. By adopting these small adjustments, we can lessen our carbon footprint and contribute to a healthier planet for future generations.

Structure: Introduction - Phenomenon - Solution - Conclusion Three Difficult words: daunting, carpooling, carbon footprint Readability level(Range from K1-K12): K-5 level

Total Characters: 767 Total Sentences: 6 Total words: 124 Unique words: 113

Estimated Reading time for K-5: 48s

Word coverage of elementary-school vocabulary: 39% Word Coverage of high-school vocabulary: 65%

K Generate

수능 영어 문항 전용 생성기: genQue

Main Idea Multiple-choice

Make a multiple-choice question for main idea to see whether students can identify the central idea of the passage

Passage for question generation: (> 50 characters)

Climate change is a critical global issue that affects us all. However, by making small changes in our daily lives, we can contribute to solving this problem. For instance, we can decrease our carbon footprint by using alternative transportation methods like walking, biking, or public transit. Additionally, we can conserve energy by turning off lights and devices when not needed, using energy-efficient appliances, and adjusting thermostats. Furthermore, we can minimize waste by recycling, composting, and choosing reusable products over disposable ones. By adopting these simple habits, we can all play a part in combating climate change and preserving our planet for future generations.

692/2000

Difficulty of question:

1 2 3 4 5

Generate

What is the main idea of the text?

- ① The benefits of alternative transportation methods for reducing carbon footprint.
- ② How to conserve energy by using energy-efficient appliances and adjusting thermostats.
- ③ Ways to minimize waste through recycling, composting, and reusable products.
- 4 Small changes in daily habits can combat climate change.
- ⑤ Climate change is a critical global issue that affects us all.

Answer: ④ Small changes in daily habits can combat climate change.

Explanation: The correct option accurately summarizes the main point conveyed in the text - that making small changes in our daily lives can contribute to solving climate change. The wrong options are either too specific (benefits of alternative transportation methods), only cover part of what was mentioned (conserving energy or minimizing waste) or simply restate information provided within the text itself without offering any additional insight.

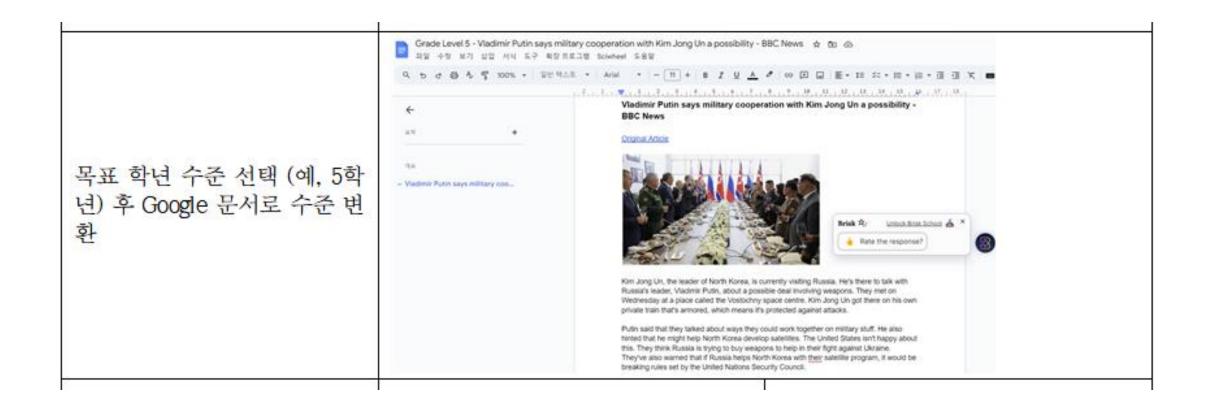
Estimated answer rate for high-school student(experimental function):

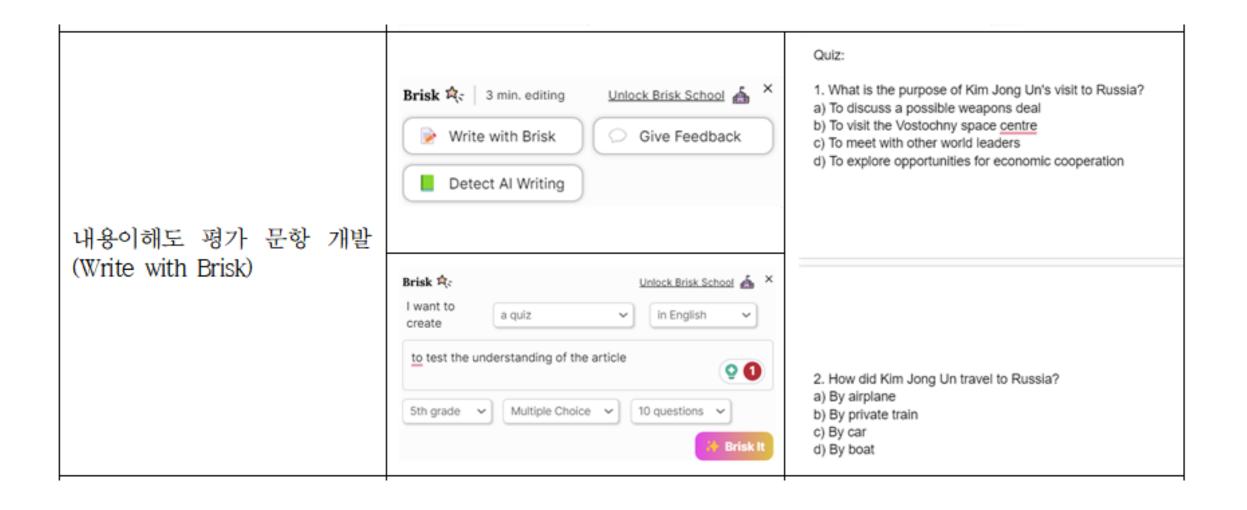
- ① 9.2%
- 2 7.8%
- ③ 11.3%
- **4** 58.4%
- ⑤ 13.3%

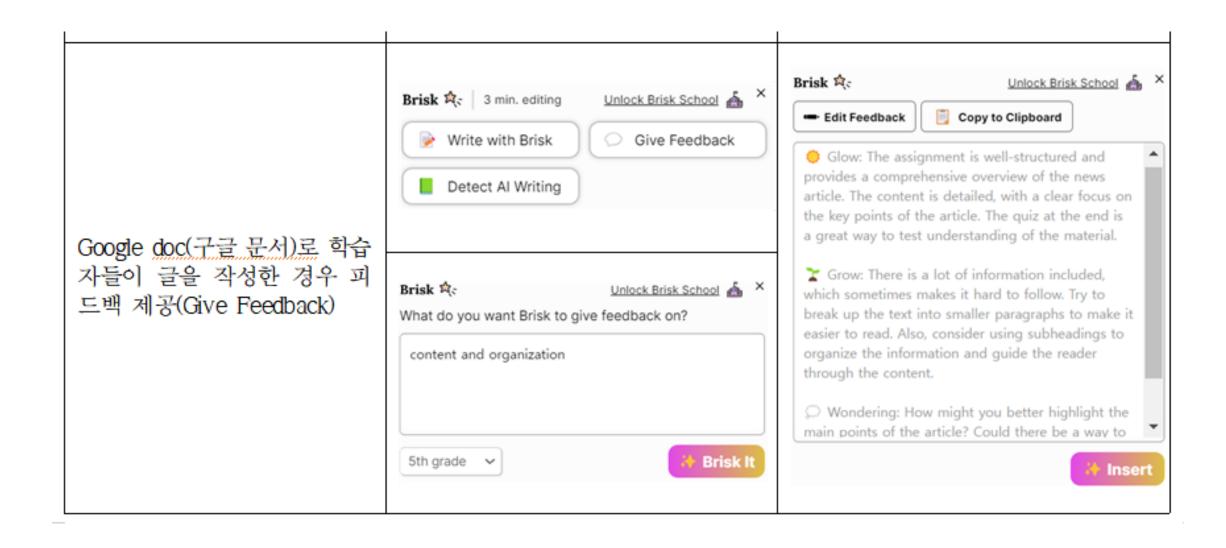
Brisk Teaching

https://chrome.google.com/webstore/detail/brisk-teaching/pcblbflgdkdfdjpjifeppkljdnaekohj

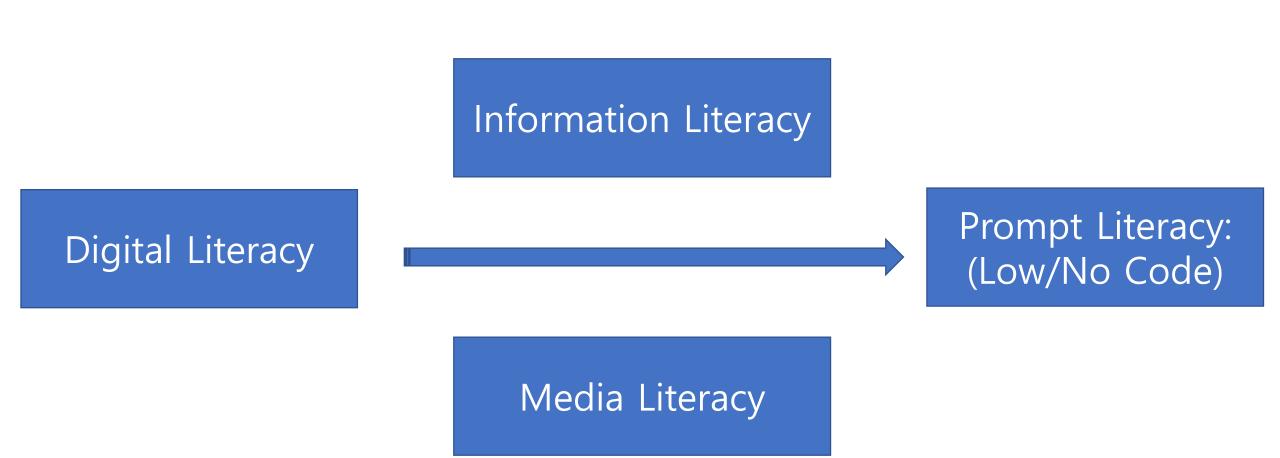
Russia, following talks with Vladimir Putin over a suspected arms deal. The pair met on Wednesday at the Vostochny space centre after Mr Kim arrived in his private armoured train. Mr Putin later said they discussed "possibilities" for military cooperation, and indicated he would help Pyongyang develop satellites. The US says Moscow is attempting to buy weapons to support its war on Ukraine. It has warned that any help Moscow gives to Pyongyang's satellite programme would violate UN Security Council resolutions. 온라인 소스 선택 Mr Putin has also accepted an invitation from Mr Kim to visit North Korea. Few heads of state have visited the closed off state. Wednesday's meeting between the two sanctioned regimes, which included senior officials from both sides, took place at a tin × Brisk 2: 10th grade reading level the West are at an all-time low. 5th Grade in English Mr Kim was warmly received by Mr Putin after train Russia's far east. Russian state media footage sho Change reading level as they shook hands, before Mr Putin personally e space centre.



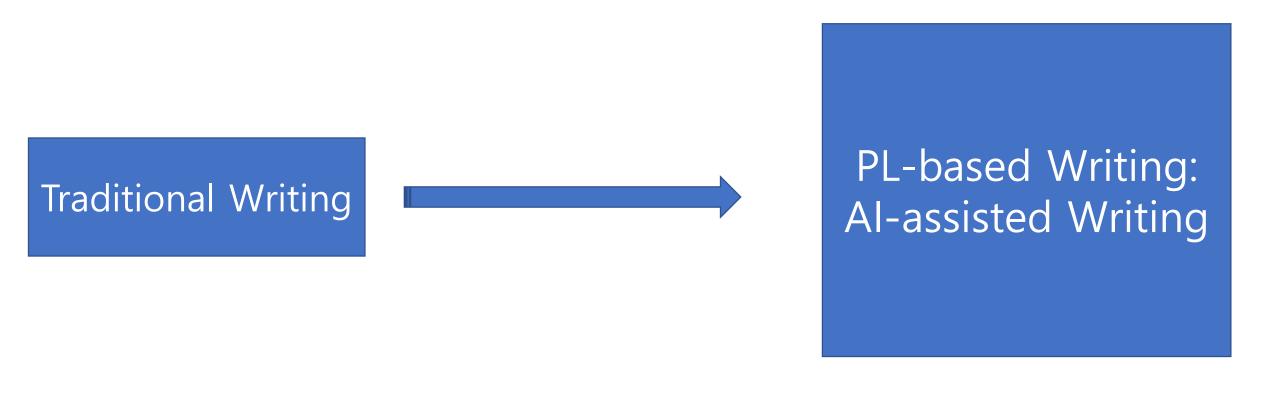




Prompt Literacy 시대 '쓰기'란? '언어교육'이란??



Prompt Literacy 시대 '쓰기'란? '언어교육'이란??



ChatGPT Chrome 확장 프로그램

크롬 확장 프로그램	설치 사이트
PDF summary: PDF 문서 내용에 대해 질문과 답변을 채팅을 통해 진행	https://www.chatpdf.com/?fbclid=IwAR3h3DmpZEXtrDwYzuYsKPQzYq_O50kQ 8nm7PEvycC8o8gYPvWrOXUTdThM
Talk-to-ChatGPT : 음성으로 ChatGPT 이용, 언어 변경 가능	https://chrome.google.com/webstore/detail/talk-to-chatgpt/hodadfhfagpiemkeoliaelelfbboamlk
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