

EdUHK Corpus-based ELT Lesson Design Competition

Lesson Topic/Title: An AI-Powered, Corpus-Based Lesson Design for Differentiating Increase, Raise, and Rise in Travel Vlog Creation

Author(s)	Name(s)	Affiliation(s)	Email address(es)
Pre-service teacher(s)	<u>ZHONG Qing</u>	The Education University of Hong Kong	s1156886@s.eduhk.hk
In-service teacher(s)	<u>WEI Qi</u>	Guangdong University of Science and Technology	emmaweiqi@163.com

Title of the course where your lesson fits: Vocabulary

Please provide additional information of the course in a couple of sentences (e.g., the purpose and focus of the course): This AI-enhanced lesson is designed to help students differentiate increase, raise, and rise through corpus-based analysis. Students will use CorpusMate and MagicSchool AI to explore authentic language examples, identify contextual usage patterns, and practice applying these verbs in travel vlog scenarios. By engaging in structured speaking activities, students will reinforce their understanding through real-time production, fostering confidence in both written and spoken communication. The lesson bridges linguistic theory with practical application, equipping students with skills for natural and precise use in real-world contexts.

Target students: Junior Secondary, Grade 7 students in Hong Kong (With basic knowledge of verb usages but frequent confusion between similar verbs. Comfortable with AI tools but need structured guidance for language learning.)

Target language: increase, raise and rise (This class will focus on their usages as verbs. The differences in the usages as nouns will be focused in the following lessons.)

Corpus/corpora used: CorpusMate

AI tool(s) used: MagicSchool AI, Copilot, ChatGPT, DeepSeek, ERNIE Bot

Lesson duration: 60 minutes

Learning objectives:

By the end of the lesson, students will be able to:

1. Distinguish the differences between ‘increase,’ ‘raise,’ and ‘rise’;

2. Describe their travel experiences while accurately incorporating the vocabulary increase, raise, and rise in their speaking;
3. Use corpus and AI tools to support self-directed and inductive learning.

Lesson Plan

Time	Key stages	Procedures	Purposes	Interaction mode	Teaching resources/materials
8 mins	Stage 1: Lead-in & Diagnostic Test	<ol style="list-style-type: none"> 1. Teacher presents a picture with some lead-in questions 2. Teacher presents a vlog by Amy to listen and watch. 3. Use the vlog script as a gap-filling exercise to test students' understanding. 	<ol style="list-style-type: none"> 1. To arouse their interests and activate their background schemata. Introduce the context. 2. To find students' knowledge gap of the target vocabulary. 	T-S S-S Whole class & Individual Work	Travel Vlog, Powerpoint slides and handout
25 mins	Stage 2: Corpus search & Inductive discovery	<ol style="list-style-type: none"> 1. Students have hands-on corpus search practice. 2. Students have an inductive learning guided by the teacher. 3. Students have a practice on the usage of the target vocabulary, assisted by the using of MagicSchool. 	<ol style="list-style-type: none"> 1. To enable students engage with authentic language. 2. To help students acquire the target vocabulary inductively. 3. To have students apply the rules in an exercise and make use of the MagicSchool AI to facilitate their learning. 	T-S S-S Individual Work & Group Work	iPad, CorpusMat e, Powerpoint slides and handout

25 mins	Stage 3: Output Exercise	<ol style="list-style-type: none"> 1. Students complete a multiple-choice quiz using Kahoot. 2. Students make sentences by using raise, rise and increase according to the AI-generated pictures. 3. Students share their funny travel experience in group, incorporating the target vocabulary. 	<ol style="list-style-type: none"> 1. To assess students' understanding of the differences between "increase", "rise" and "raise". 2. To encourage student collaboration and sentence production. 3. To reinforce the correct usage of target vocabulary in a creative context. 	T-S S-S Whole class & Group Work	Kahoot & handout
2 mins	Stage 4: Homework	Teacher explains the travel vlog homework assignment, where students will create and submit a vlog based on a real travel experience, using increase, raise, and rise.	<ol style="list-style-type: none"> 1. To provide students with an opportunity to apply vocabulary in a creative, real-world context. 2. To develop students' speaking and teamwork skills. 	T-S Whole class	Powerpoint slides

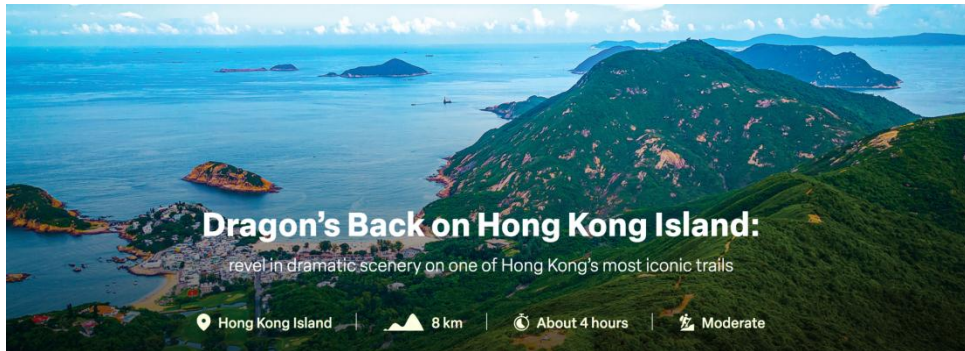
Stage 1: Lead-in & diagnostic test

This activity is designed to find students' knowledge gap of the target vocabulary and to arouse their interest. Also, the context of travel vlog is set. The picture of the girl Amy is generated by Copilot. The Vlog Script is generated by DeepSeek and edited by the teacher.

Step 1. The teacher presents a picture of the Dragon's back to activate students' background schemata by asking questions:

Q1: Have you ever gone hiking in Hong Kong?

Q2: Where did you go? What did you see or do there?



Step 2. Then the teacher plays a vlog by a girl named Amy about her fun hiking experience on Dragon's Back. This time students are supposed to watch answer a few questions:

Q1: Where did Amy go? What did she see and do there?

Q2: How was her trip?



[Vlog script: The sun was just **rising** as I set off on the Dragon's Back Trail—one of Hong Kong's most famous hikes. These years, the number of hikers here has **increased** dramatically, and it's easy to see why. The trail offers breathtaking views of lush green

ridges and the sparkling South China Sea. But my peaceful morning took an unexpected turn when I heard rustling in the bushes—a family of wild boars! My heart rate **rose** instantly as I froze, watching them snuffle past. Thankfully, they weren't aggressive, just looking for breakfast. (tip: Don't feed them—it **raises** the risk of dangerous encounters!)

After that excitement, I kept hiking to the top where people were getting ready to paraglide. I decided to try it—why not? As I stood at the edge, my heart beat fast again. But the moment I jumped, my excitement **increased** like crazy! As the parachute **rose**, I had an unbelievable feeling. I finished the day at Big Wave Bay, tired but happy. What an adventure!]

Step 3. Then the teacher distributes the handouts to students. They are asked to listen again (without subtitles) and fill in the blanks. (The focus of this activity is the choice of words, not the form.)

Instructions:

Listen and fill in the blanks with the right forms of increase, raise or rise. You may use a word more than once.

[The sun was just 1. _____ as I set off on the Dragon's Back Trail—one of Hong Kong's most famous hikes. These years, the number of hikers here has 2. _____ dramatically, and it's easy to see why. The trail offers breathtaking views of lush green ridges and the sparkling South China Sea. But my peaceful morning took an unexpected turn when I heard rustling in the bushes—a family of wild boars! My heart rate 3. _____ instantly as I froze, watching them snuffle past. Thankfully, they weren't aggressive, just looking for breakfast. (tip: Don't feed them—it 4. _____ the risk of dangerous encounters!)

After that excitement, I kept hiking to the top where people were getting ready to paraglide. I decided to try it—why not? As I stood at the edge, my heart beat fast again. But the moment I jumped, my excitement 5. _____ like crazy! As the parachute 6. _____, I had an unbelievable feeling.

I finished the day at Big Wave Bay, tired but happy. What an adventure!]

(Answer key: 1. rising; 2. increased; 3. rose; 4. raises/increases; 5. increased; 6. rose.)

Stage 2 Corpus Search and Inductive Learning

This stage is designed to enable students engage with authentic language and help them acquire the target vocabulary inductively. The exercise is designed to have students apply the rules they have found. **MagicSchool AI** is used to facilitate their learning. The sentences in the Application part are generated by **DeepSeek** and edited by the teacher. **MagicSchool AI** is used by the students to get feedback of their answers.

This stage consists of two parts, a student hands-on corpus search practice and a student-oriented inductive learning.


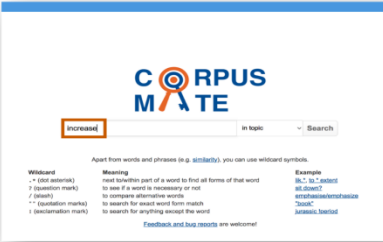
Part 1

Activity: Hands-on corpus search [individual work]

Under the teacher's guidance, students practice doing corpus searches on target language, allowing them to become more independent with Corpus Mate.

Instructions:

1. Students conduct corpus search on their own by following Step 1 & 2.
2. Students are asked to take screenshots of the search results.

Step 1	Step 2
Go to the website: https://corpusmate.com/	Enter and search for the concordances of “increase, raise and rise” respectively,
	

Step 3: Screenshots of the results and compare findings with partners.

Showing 250 examples from all 6,410 results (92.95 per million words).

1	+ 30x	system. Adaptive radiation is rapid evolutionary radiation. It is an	increase	in the number	and diversity of species in each lineage. It produces more
2	+ 27x	traits and sperm phenotyping, it would also be possible to	increase	the number of	AI doses from high-demand bulls with superior production
3	+ 24x	botulinum (which causes botulism) Toxic gases Vaccinations do not	increase	the risk of	SIDS, and may reduce the risk slightly.<ref name=CDCFAQ>
4	+ 18x	could be improved by upgrading the gauge material at an extra cost, or by	increasing	the number of	active gauges in the bridge circuit. This reduces one of
5	+ 14x	where activity took place, whether the presence of visitors would	increase	the amount of	activity and whether the activity was social or
6	+ 9x	employing Indians in the civil services but at lower levels. They	increased	the number of	British soldiers, and allowed only British soldiers to
7	+ 9x	need to be addressed. It is not known what degree of infection or illness	increases	the risk of	chronic sequelae or whether colonization alone is itself a
8	+ 8x	's symbolic birth date. 1971 - Richard Nixon announces his decision to	increase	the rate of	American troops withdrawals from Vietnam. 1977 - German
9	+ 7x	barriers need to be overcome to form them. Interstitial helium atoms	increase	the production of	Frenkel pairs whilst substitutionals tend to
10	+ 7x	vector. However, a large number of the input of a neural network may	increase	the size of	a neural network. The reduction in input dimensionality is
11	+ 6x	. Fecundation is another term for fertilisation. Fecundity can	increase	or decrease in	a population according to current conditions and
12	+ 6x	became workmen and found a job in the factories and earned money. This	increased	living conditions	partly. In World War II Babenhausen was a central
13	+ 5x	of carbon dioxide and nitrogen, cyanobacteria produced a 15%	increase	in the amount of	atmospheric oxygen present on Earth, and so organisms
14	+ 5x	aware of this and are reacting to it, as a result supplier power may	increase	in the future	Again, relatively low. There are an enormous number of
15	+ 5x	of the distribution of habitats of European Community importance. An	increase	in the size of	forest land cover in the landscapes of the Mediterranean
16	+ 5x	medicine (CAM) (Lowenberg and Davis 1989:587). However, the	increase	in the use of	CAM over the past 10 years cannot be ignored (Giddins 2001:
17	+ 5x	to build a relationship with their patients or clients, therefore,	increase	the chance of	achieving their therapy goals. The ability to

Showing 250 examples from all 4,366 results (63.31 per million words).

1	+ 19x	and potentially bring in the possibility of eradication it also	raises	the question of	how general is this type of mechanism mm for example
2	+ 18x	. This is just one face of a booming sex trade across the Arab region. Now	raise	your hand if	any of this is sounding familiar to you, from your part of the
3	+ 14x	of NREM2 and the benefit of sleep for memory retention over twelve hours	raises	the possibility	that NREM2 might be particularly advantageous for
4	+ 11x	of the relative head and eye components on the final gaze output,	raising	the possibility	that Pitx2ON neurons are involved in the control of the
5	+ 8x	as the "International Year of Light and Light-based Technologies" to	raise	awareness of	the achievements of light science and optical
6	+ 8x	balance, right now, are you for or against this? So those who are "yes,"	raise	your hand.	"For." Okay, hands down. Those who are against, raise your
7	+ 8x	family, and how my parents run their farm. Mistaken, and insulting." He	raised	his eyebrows.	"Are you cold or just angry?" "What do you mean?" "You're
8	+ 8x	still is funded mainly by the American government. The cold war period	raised	the question of	how the American government might handle nuclear
9	+ 8x	fan cells in object-place-context and object-context associations	raises	questions about	the assembly of multi-modal associations within the
10	+ 7x	better play it safe . I'm organizing this International Food Fair ... to	raise	money for	the Drama Club next week . - You must participate . Will you ? -
11	+ 7x] [Announcer] Andthat' s thegame . Whoever here is for a new routine ,	raise	your hand .	Finalscore . : Cougars 42 , Torosnothing . Jan' s got spirit .
12	+ 7x	I understood that the horrifying apparition was Leopold	raised	from the dead !	Wolfgang had summoned up his own father to accuse
13	+ 6x	of the 800 bird species found in North America migrate north to breed and	raise	their young.	In Ontario, the boreal marches down south to the north
14	+ 6x	you very much. How many of you have checked your email today? Come on,	raise	your hands.	How many of you are checking it right now? And how about
15	+ 6x	make a determination . I want you to be brief and to the point . I ask you to	raise	your right hand .	Do you hereby swear that the evidence you' re about to
16	+ 6x	try to- to get another waterboy job for- for a different team . Don' t you	raise	your voice to	me , Bobby Boucher . I- I wasn' t raising my voice , Mama . I dor

Showing 250 examples from all 4,209 results (61.04 per million words).

1	+ 29x	olimpiadi, directed by Romolo Marcellini Black Fox: The	Rise	and Fall of	Adolf Hitler Alvorada Robert Frost: A
2	+ 13x	... "We've been here long enough," said Mael suddenly. "I want to go." He	rose	to his feet	and quite reluctantly Avicus followed. There passed
3	+ 11x	and not very deep. Lots of sediments sank to its bottom. Then the region	rose	again and	the water left, leaving soil which is mostly sandy and poor.
4	+ 8x	Global stock markets fell on 24 February 2020 due to a significant	rise	in the number of	COVID-19 cases outside mainland China. By 28 February
5	+ 7x	wrath for, all those who trust in him for salvation (his chosen ones). He	rose	from the dead	and ascended into heaven, where he sits as Lord and rules
6	+ 7x	rain, a meaningless mosaic in an unstable bed of mud. When Molly	rose	to her feet	again, she thought that the woods, already crowding the
7	+ 6x	of democracy. On the contrary, I think democracy contributed to the	rise	of the West	and the creation of the modern world. It is the universal
8	+ 6x	species of the Homo genus. It is generally considered to have given	rise	to a number of	descendant species and subspecies. The oldest known
9	+ 6x	that life and the soul may never really - their desire may never really	rise	to the surface	... so they may want to be something else . But if it does
10	+ 6x	over time. Creaming often occurs when dispersed oil droplets merge and	rise	to the top of	an O/W emulsion or settle to the bottom in W/O emulsion.
11	+ 6x	in the Arena of the One. And what's more... he was murdered. A hunger	rises	deep within	you, a desire for his Source. This yearning is not yours, but
12	+ 6x	sure what to call it. ... many miles, and many contestants. When the sun	rose	out of	the Diablos on that Fourth of July morning the seven-man local
13	+ 5x	the only person I've met in this world who really seemed like they could	rise	above it.	Not give into the cruelty, the violence. But recently, it
14	+ 5x	for the crusade, the Pope called on the nobility of Europe directly.	Rise	and fall	In England, Henry VIII broke free of the Catholic church and the
15	+ 5x	... Be proud of yourselves , yourselves and your bank . Green ... It' s 7 : 30 .	Rise	and shine !	A mild morning and a sunny afternoon . The warm , dry weather
16	+ 5x	ow what I' m saying , Mark ? He just did what needed to be done . Come on ,	rise	and shine ,	New York . It' s a big day in the Big Apple . That' s right . All
17	+ 5x	. Los Angeles. He was known for his works in Nixon. Terminator 3:	Rise	of the Machines	and Medicine Man. Vaina died at his home in Budanest

Part 2

Activity 1: Noticing activity

This activity allows students to notice the target language by being engaged in authentic examples and in group discussion. The teacher invites two or three groups to share their ideas before summarizing on the basis of their answers.

Instructions:

Pay attention to the collocations you have just found. Please work in groups of four, write the high-frequency use of words in the blanks and then conclude the meaning of the three target words.

Words	Word Class	Usage	Meaning
increase	vt.	1. increase+_____	go up in 5. _____
	vi.	2. _____+increase	
raise	vt.	3. raise+_____	physically 6. _____ something or cause something to 6. _____
rise	vi.	4. _____+rise	go up by 7. _____

(Suggested answers from the concordances for usage part:

1. increase + number, amount, risk, rate, production, size, living condition, chance, speed, temperature, heart rate, etc.

2. number, population, price, etc. + increase

3. raise + hand, head, possibility, awareness, eyebrow, money, funds, voice, flag, etc.

4. sun, sea level, somebody, voice, temperature + rise

Meaning: 5. number, amount or degree 6. lift; grow 7. itself)

Activity 2: Comparing your summary with DeepSeek

This activity asks students to compare their summary with that from the **DeepSeek**. This helps them have a better understanding of the usages of the three verbs.

Instructions:

1) Send your CorpusMate results to DeepSeek; 2) Read the summary from DeepSeek and compare it with yours; 3) Check: Did you find the same patterns? Did DeepSeek explain anything differently?

Key Observations from Context:

1. Increase:

- **Transitive (vt.):** Commonly paired with nouns like "number," "amount," or "risk" (e.g., "increase the number of species").
- **Intransitive (vi.):** Often preceded by adjectives like "steady" or "significant" (e.g., "steady increase in oxygen").
- **Meaning:** Indicates growth in quantity or level.

2. Raise:

- **Transitive (vt.):** Frequently used with objects like "hand," "awareness," or "question" (e.g., "raise your hand," "raise the possibility").
- **Meaning:** Implies physical lifting or causing something to elevate.

3. Rise:

- **Intransitive (vi.):** Typically follows descriptors like "sharp" or "rapid" (e.g., "rise in COVID-19 cases").
- **Meaning:** Suggests upward movement without external force (e.g., "prices rise").

(summary from DeepSeek)

Activity 3: Application

Step 1: Filling the blanks with "increase", "raise" or "rise". Please pay attention to the language pattern we have just learned.

1. The government wants to _____ electric vehicle production to reduce pollution.
2. The population in big cities keeps _____, causing housing shortages.
3. She _____ her voice a little so others could hear her opinion.
4. Scientists say sea levels are _____ because of climate change.

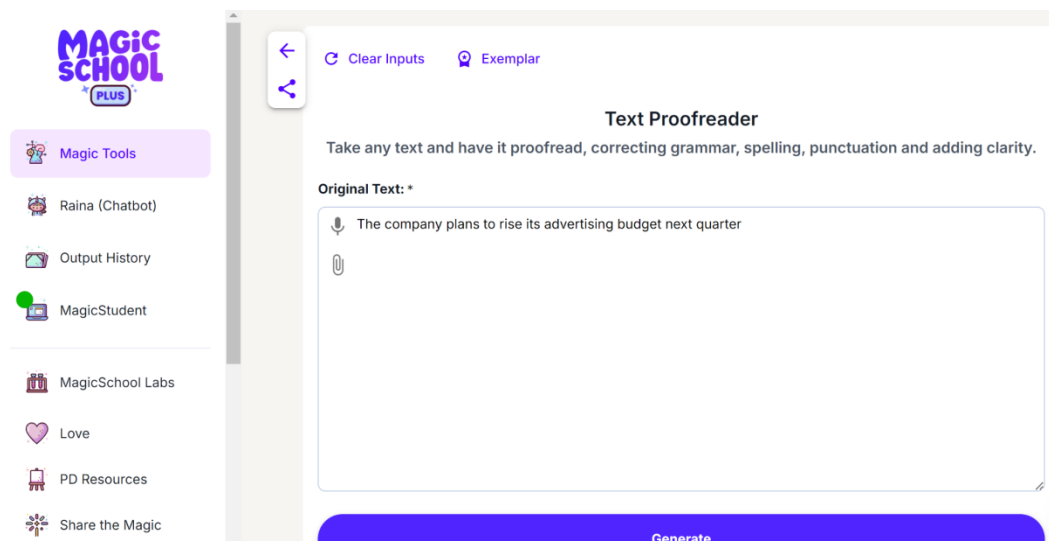
5. The group started a campaign to _____ awareness about mental health.
 6. The school plans to _____ the number of scholarships for low-income students next year.
 7. The company _____ product prices, which affected what people bought.
 8. As the sun _____, the sky turned orange and pink.
 9. The new policy aims to _____ students' chances of getting a good education.
 10. The temperature _____ suddenly, forcing many travelers to change their plans.
- (Answer key: 1. increase; 2. rising; 3. raised; 4. rising; 5. raise; 6. increase; 7. raised 8. rose 9. increase; 10. rose/increased)

Step 2: Exchange your answer with your partner.

Step 3: Upload your partner's answers to (<https://app.magicschool.ai/magic-student/tools/proofreader-s>) to check their accuracy.

Step 4: Based on the answers you provide, the website will give feedback about correctness and advise you to correct your answer.

(Tips: Type the sentence into the document area then click generate, which will do the trick.)



The screenshot shows the Magic School Plus Text Proofreader interface. On the left is a sidebar with the Magic School Plus logo and a list of tools: Magic Tools, Raina (Chatbot), Output History, MagicStudent, MagicSchool Labs, Love, PD Resources, and Share the Magic. The main content area is titled "Text Proofreader" and includes an "Edit Prompt" link. It displays "Changes Suggested" for a sentence about a company's advertising budget, providing a corrected version and a "Grammar Explanation" for the verb "raise". Below the explanation are "Copy", "Edit", "Export", "Read Aloud", and "More" options. At the bottom is a "Send a message" input field with a microphone icon and an "Actions" button. A footer note reads: "Always review content for accuracy and bias; use professional judgment and comply with school policies."

MAGIC SCHOOL PLUS

Magic Tools

Raina (Chatbot)

Output History

MagicStudent

MagicSchool Labs

Love

PD Resources

Share the Magic

Text Proofreader

[Edit Prompt](#)

Changes Suggested:

1. Replace "rise" with "raise" - The word "rise" means to move upward, while "raise" means to increase something. Since the company is actively increasing the budget, "raise" is the correct verb to use.
2. Add a period at the end of the sentence for proper punctuation.

The corrected sentence should read: "The company plans to raise its advertising budget next quarter."

Grammar Explanation:
"Raise" is a transitive verb that requires a direct object (in this case, the budget). "Rise" is intransitive and doesn't take a direct object. For example:

- The sun rises (correct)
- We raise the flag (correct)

Copy Edit Export Read Aloud More

Send a message [Actions](#)

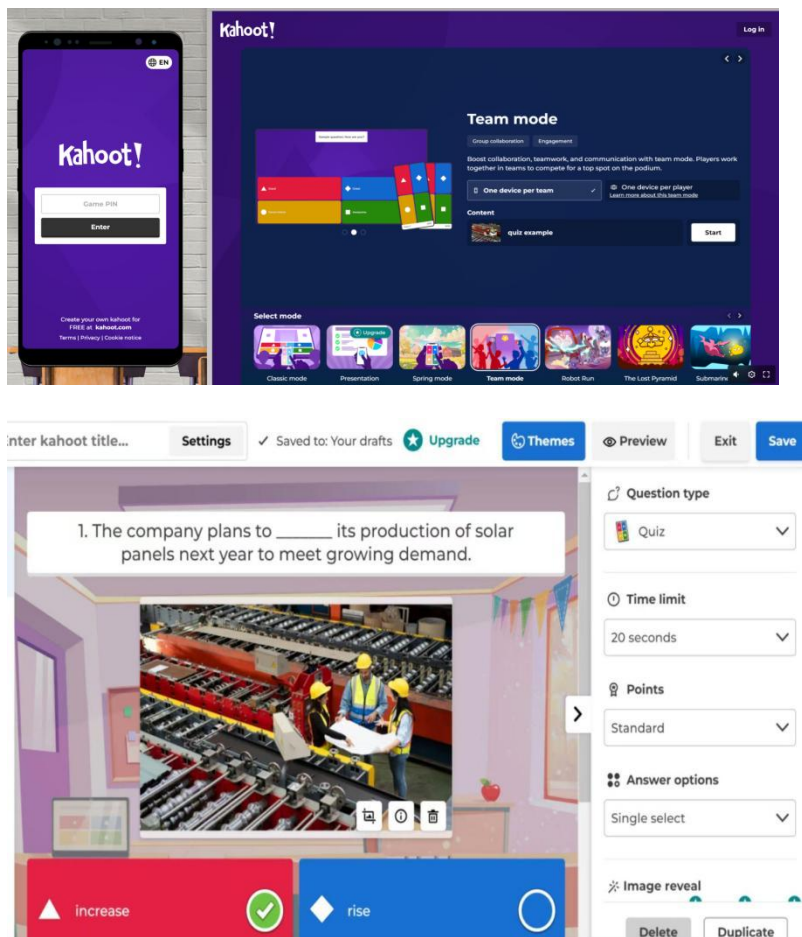
Always review content for accuracy and bias; use professional judgment and comply with school policies.

Stage 3: Output

Activity1: Kahoot Quiz: Testing the Usage of *Rise, Raise, and Increase*

In this Kahoot quiz, students will participate in a multiple-choice test to assess their understanding of the differences between ‘increase’, ‘raise’ and ‘rise’. The class will be split into several teams for a fun, competitive experience. After the quiz, the teacher will provide explanations to reinforce the correct usage of these words, helping students solidify their knowledge.

Instructions: Now, we’ll start the Kahoot quiz. You’ll be divided into five teams, and your goal is to answer each question correctly and quickly. Stay focused, work together, and have fun!



Here are some sample multiple-choice questions for use in class (Generated by **ChatGPT**):

1. The company plans to _____ its production of solar panels next year to meet growing demand.

- A) increase B) rise C) raise

2. The manager decided to _____ the prices of the products due to increased production costs.

- A) increase B) rise C) raise

3. The government aims to _____ awareness about the importance of recycling to protect the environment.

- A) increase B) rise C) raise

4. The teacher asked the students to _____ their hands if they had any questions.

- A) increase B) rise C) raise

5. As the temperature _____ each day, people were warned to stay indoors during the heat wave.

- A) increase B) rise C) raise

6. The team worked hard to _____ funds for the charity event.

- A) increase B) rise C) raise

7. The government has been trying to _____ the possibility of future economic crises by implementing new regulations.

- A) increase B) rise C) raise

8. The population of the city is expected to _____ by 5% next year.

- A) increase B) rise C) raise

9. The students were asked to _____ their voices so everyone could hear them clearly.

- A) increase B) rise C) raise

10. The coach encouraged the athletes to _____ their speed during the final stretch of the race.

- A) increase B) rise C) raise

(Answer key: 1. A, 2. C, 3. C, 4. C, 5. B, 6. C, 7. C, 8. A, 9. C, 10. A.)

Activity2: Discussing Travel Experiences Using ‘Increase’, ‘Raise’ and ‘Rise’

Step1: Sentence-making of ‘Increase’, ‘Raise’ and ‘Rise’

Students will make five sentences using ‘increase,’ ‘raise,’ and ‘rise’ based on the images (generated by **ERNIE Bot**), and will be invited to share their ideas in class.

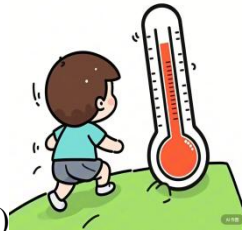
Instructions:

Next, you will see pictures of Jack’s travel experience. Please use the given words *increase*, *raise*, and *rise* to describe his activities throughout the day. Try to make five sentences based on the pictures. After that, some of you will be invited to share your ideas with the class.

1. _____ (rise)



2. _____ (rise)



3. _____ (increase)



4. _____ (raise)



5. _____ (raise)



Step 2: Share your funniest travel story!

Instructions:

Now, it's your turn! In groups, take turns to share your funny travel experience. Describe the journey, including details like the destination, activities, and funny moments. Make sure to use 'increase,' 'rise,' and 'raise' correctly. Then vote for the funniest story in your group.



Stage 4: Homework

Homework Assignment: Creating Your Vlog

Instructions:

Now that you've watched Amy's vlog and shared your own travel experiences, it's time to create your own! Work with your group members and record a short vlog about a funny trip. Make sure everyone participates and speaks clearly. Don't forget to use the three verbs we learned today: **increase, raise, and rise**. Have fun, and get ready to share your vlog with the class!

Key points:

Use the Target Vocabulary:

Be sure to incorporate the three verbs **increase, raise, and rise** in your recording.

Duration:

Your video should be around 3-5 minutes long. This is a chance for you to practice using the new vocabulary and share an interesting part of your travel story!

Submission:

Upload your video or audio to the platform specified (e.g., email, classroom portal, etc.). Be sure to submit it by the due date. Please refer to the poster for detailed steps. Have fun and enjoy making your vlog!

Step-by-Step Vlog Guide (Generated by ChatGPT):

 **TIPS FOR CREATING YOUR TRAVEL VLOG**

 **PLAN YOUR SCRIPT**

- Work with your group to decide which trip you'll talk about
- Make sure to include the three verbs: **increase, rise, and raise**
- Everyone should have a part to say! Practice your lines together

 **CHOOSE YOUR RECORDING TOOL**

- Smartphone camera (easy and quick!)
- Loom or Zoom (good for screen sharing or group calls)
- Voice Recorder (for audio-only vlogs)

 **RECORD YOUR VLOG**

- Make sure your voices are clear
- Try to speak naturally and have fun!
- Keep the video or audio between 3-5 minutes

 **EDIT (OPTIONAL)**

- Use CapCut, iMovie or InShot to trim your video or add subtitles

Appendix: AI Tools Used

MagicSchool AI	Magic School AI is an educational platform designed to assist teachers by leveraging artificial intelligence to streamline various tasks. It offers tools for creating lesson plans, generating quizzes, providing feedback, and more.	https://www.magicschool.ai/	Magic School AI is used in the following activities: Stage 2, Activity 2
Copilot	Copilot is an advanced AI companion designed by Microsoft to assist users in various tasks and enhance productivity. It can answer questions, brainstorm ideas, provide helpful suggestions, create content, and engage in meaningful conversations.	https://copilot.microsoft.com/	Copilot is used in the following activities: Stage 1, Step 2
ChatGPT	ChatGPT is an AI language model by OpenAI that understands and generates human-like text. It can answer questions, assist with learning, create content, and support creative tasks across various subjects.	https://chatgpt.com/	ChatGPT is used in the following activities: Stage 3, Activity 1; Stage 4

DeepSeek	DeepSeek AI is a platform that utilizes advanced artificial intelligence techniques to enhance search capabilities and data retrieval. It typically focuses on improving the accuracy and efficiency of searching through vast amounts of data, whether in text, images, or other formats. The technology may incorporate natural language processing, machine learning, and other AI methodologies to provide users with more relevant search results and insights.	https://www.deepseek.com/	DeepSeek is used in the following activities: Stage 1, Step 2&3 Stage 2, Activity 1, 2&3
ERNIE Bot	ERNIE Bot, developed by Baidu, is a generative AI language model built on the ERNIE pre-trained architecture. It integrates structured knowledge and unstructured data to provide context-aware responses across tasks like question answering, content generation, translation, and multimodal creation.	https://yiyian.baidu.com/	ERNIE Bot is used in the following activities: Stage 3, Activity 2