

Summary Writing 2C: STEM EXAMPLE

Aim: To support students in their ability to produce two 90-150 word summaries by following the suggested six steps. The steps were introduced in summary writing 1C and are recapped in this lesson.

Time: 60 minutes & homework task.

Delivery: This lesson can be delivered face-to-face or online. For online delivery, each worksheet could be placed in a class document on OneDrive or OneNote.

Lead in

- Distribute or project **worksheet 1**. Students complete **task 1**: recapping what to include in a summary.
- Feedback: distribute or project **worksheet 1 task 1 ANSWERS**.

Review

- Students complete **task 2**: the steps to writing a summary.
- Feedback: distribute or project **worksheet 1 task 2 ANSWERS**.

Guided Practice

- Distribute or project **worksheet 2**. Students use the six steps to produce a 90-150 word summary (**Task 1**).
- Feedback: students compare with each other and the **MODEL ANSWER** before identifying their strengths and weaknesses.
- Distribute or project **worksheet 3**. Students use the six steps to produce a 90-150 word summary (**Task 1**).
- Feedback 1: students use the given checklist (**Task 2**) to give their partner some feedback.
- Feedback 2: students compare their summary and notes with the **MODEL ANSWER**.
- Students complete **task 3**: Classroom Assessment Techniques. This will enable the teacher to gauge who needs more practice. If students need more support with their summary writing, go here: <https://academic-englishuk.com/summary-skills/>

Homework

- In pairs, students choose a topic connected to their studies and use the summary writing steps to write a summary.
- Feedback: students conduct peer feedback using the provided checklist.

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Worksheet 1: Summary Writing

Task 1

- What do you remember about summary writing? Which of the following should be included in a summary?

Should you include....	Yes	No	Not sure
Your own opinion? [REDACTED]			
Cohesive devices? [REDACTED]			
Examples? [REDACTED]			
Evaluation of the ideas? [REDACTED]			
Main points of the text? [REDACTED]			

Task 2

- There are six steps to writing a good summary. Do you remember what they are? Compare with a partner when you've finished.

	Steps
1.	
2.	
3.	
4.	
5.	
6.	

⇒ You're going to use these steps to produce two summaries.

Worksheet 2: Guided Practice

Task 1

- Write a summary of between 90-150 words of the following paragraph using the summary writing techniques.

Smart glasses

Smart glasses are an example of a wearable which can provide a number of computer-generated functions through the use of augmented reality (AR) technology, sensors, smart software and Internet connectivity. The two most well-known models [redacted] and [redacted] Facebook. According to Google (2021), their lightweight and comfortable to wear Enterprise Edition 2, which includes an 8 megapixel camera and [redacted] Processing Unit (CPU) [redacted] learning, can result in a higher standard of output for businesses without compromising on the [redacted] This is not only because of its cutting-edge voice command activation system but also due to its ability [redacted] expert assistants and co-workers remotely for further collaboration. Meanwhile, Facebook's *Ray-Ban* [redacted], have a hidden 5 megapixel camera on each side as well as a multiple microphone array which provides [redacted] calls and videos and also allows the wearer a completely hands-free experience (Hern, 2021). Hern ([redacted] glasses are only at the [redacted] plan to create true AR glasses, that is to say, glasses that look like any other regular glasses, yet would [redacted] such as [redacted] while walking in a head-up display (HUD) but also be able to transport the wearer into a virtual reality space [redacted] issues levied at smart glasses are security and distractions, although both Google and Facebook argue [redacted] to be more engaged with the world around them.

Note-taking area

Summary

Task 2

- Compare with your partner. Have you included the same points?
- Compare your notes and your summary with the model answer.
- What did you do well and what could you improve? Complete the following table.

Strengths	Areas to work on
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Worksheet 3: Guided Practice

Task 1

- Write a summary of between 90-150 words of the following paragraph using the summary writing techniques.

Animal extinction

Animal extinction is generally accepted to be a natural phenomenon, yet both the speed at which species are becoming extinct and the reasons why it happens are becoming increasingly concerning. [redacted] wildlife has [redacted] another million species could become extinct in the next twenty to thirty years, with over two-fifths of [redacted] a third of coral reefs most at risk of extinction (United Nations, 2019). Moreover, the Center for Biological [redacted] of birds are in decline, and 90% of primates are threatened too, all of which are largely due to [redacted]. As the global population continues to grow, more changes are made to the land and seas. The UN (2019) [redacted] thirds of the seas have been significantly altered as a result of human actions, such as crop and [redacted]. This, in turn, has caused water pollution, species isolation, and above all, degradation and destruction [redacted] concern is the exploitation of animals, specifically the trading of mammals such as pangolins, of which [redacted] between 2004 and [redacted] tigers, of which only 400 remain, as well as the soaring rate of poaching of African rhinos and Savannah elephants, whose numbers declined by [redacted] the UK [redacted] and Environment, Food and Rural Affairs (2019). Alas, as governments begin to take measures to [redacted] these [redacted] rich diversity remains intact.

Note-taking area

Summary

Task 2

- Use the following checklist to give your partner some feedback on their notes and summary.

Analysis of Notes		Yes	No	Not Sure
<i>Has your partner.....</i>				
1.	Written a clear set of notes?			
2.				
3.	Used abbreviations and symbols?			
Analysis of Summary				
<i>Has your partner.....</i>				
1.	Written a clear and concise summary?			
2.				
3.	Excluded all the details?			
4.				
5.	Excluded personal opinion?			

Task 3

- Reflect on your summary writing skills by selecting the appropriate option.

	Statement	Tick
1.	My summary writing has improved a little.	
2.		
3.	My summary writing has improved considerably.	

Homework

- Work with a partner to complete the following steps:
 - i. Select an article from your subject.
 - ii. Choose one [redacted]
 - iii. Read the article, take a set of notes and write a summary.
 - iv. Use the [redacted] some feedback.

Summary Writing **ANSWERS**

Worksheet 1

Task 1

Should you include....	Yes	No	Not sure
Your own opinion?			
	√		
Cohesive devices?			
	√		
Examples?		√	
		√	
Evaluation of the ideas?			
		√	
Main points of the text?	√		
	√		

Task 2

1.	Read the source text.
2.	Make notes.
3.	Write the summary from your notes.
4.	Add the reference.
5.	Reread the original.
6.	Proofread and edit.

The full table for writing a detailed summary (for reference):

1.	Read the source text.	Read the article as many times as you need to. You won't be able to write a good summary if you don't understand the source text.
2.	Make notes.	Note down the key information and important supporting details, but avoid examples, dates, numbers, statistics and data.
3.	Write the summary from your notes.	Use your own words but keep the key words of the original text, and use transition words to link ideas. Don't add your own opinion.
4.	Add the reference.	Check what referencing system your school uses (Vancouver, Harvard, APA) and then add the in-text citation and the full reference.
5.	Reread the original.	Check you haven't forgotten important information.
6.	Proofread and edit.	Read through your summary carefully. Can it be made more concise? Are there any language errors?

Worksheet 2

Sample Notes

Smart glasses use sensors / connect. 2 Internet / AR software 2 be able 2 work as a comp.

Ggl. Glass: 8MP [redacted] stream = +++ comp. vision; mach.

learn. & collab. (Google, 2021).

FB Ray-ban: 5MP cam; [redacted]; future: HUD 2 show msgs. & walk. directs.; VR games (Hern, 2021).

Probs. w/ secur. & distract.

Both FB & [redacted] & ↑ engage. w/ world NOT ↓

Sample Summary

Smart glasses

Smart glasses typically use sensors, Internet connectivity and AR software to function as a computer. In addition to this, [redacted], an enhanced CPU, a clear voice-command activation system and the ability to livestream videos, all [redacted] and collaboration (Google, 2021). In comparison, currently, Facebook's Ray-ban Stories have a 5MP camera [redacted], yet there are plans to further evolve the glasses with a HUD showing messages and walking directions as well [redacted] (Hern, 2021). [redacted] concentration have been raised, both companies firmly believe that their privacy protection is strong [redacted] world around them, not less. (143 words)

Worksheet 3

Sample Notes

Anml. extinct. nat. phenom. BUT rate & reasons r a concern.

Amphibs. / marine life / birds / [redacted]. & +++ pop. = habitat loss; water poll. & isln. (The UN, 2019) / (Centre for Biological Diversity, n.d.).

Trade & poach mamms. = nos. ↓ [redacted]. (UK Departments... 2019).

1 mil. + [redacted] 20/30 yrs. SO + imp. govts. tackle clim. crisis & prsrv. Diversity.

Sample Summary

Animal extinction

Although animal extinction is considered a natural phenomenon, scientists are increasingly concerned [redacted]. The UN (2019) states that amphibians and marine life are most threatened due to changes made to land and [redacted] water [redacted] populations are also endangered due to an ever-growing human population (Centre for Biological Diversity, n.d.). Another [redacted] as pangolins, tigers, elephants and rhinos, all of which have seen huge decreases in numbers over [redacted] and Environment, [redacted] 2019). As it is predicted that another million species will become extinct in the next few decades, it is more important than ever that [redacted] diversity. (150 words)