

From a Course Glossary to Anki Flashcards with the help of AI

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Welcome!

Follow up with this
documents

*References at the end





What are we doing here today?

Explore

to deepen the teaching of deliberate lexical learning strategies.

Learn

To improve flashcards and pass a glossary to flashcards to Anki

A stylized illustration of four diverse individuals (three women and one man) seated in a row, facing right. Each person has a thought bubble above their head, suggesting they are engaged in a group discussion or are reflecting on a topic. The background is a soft, light blue.

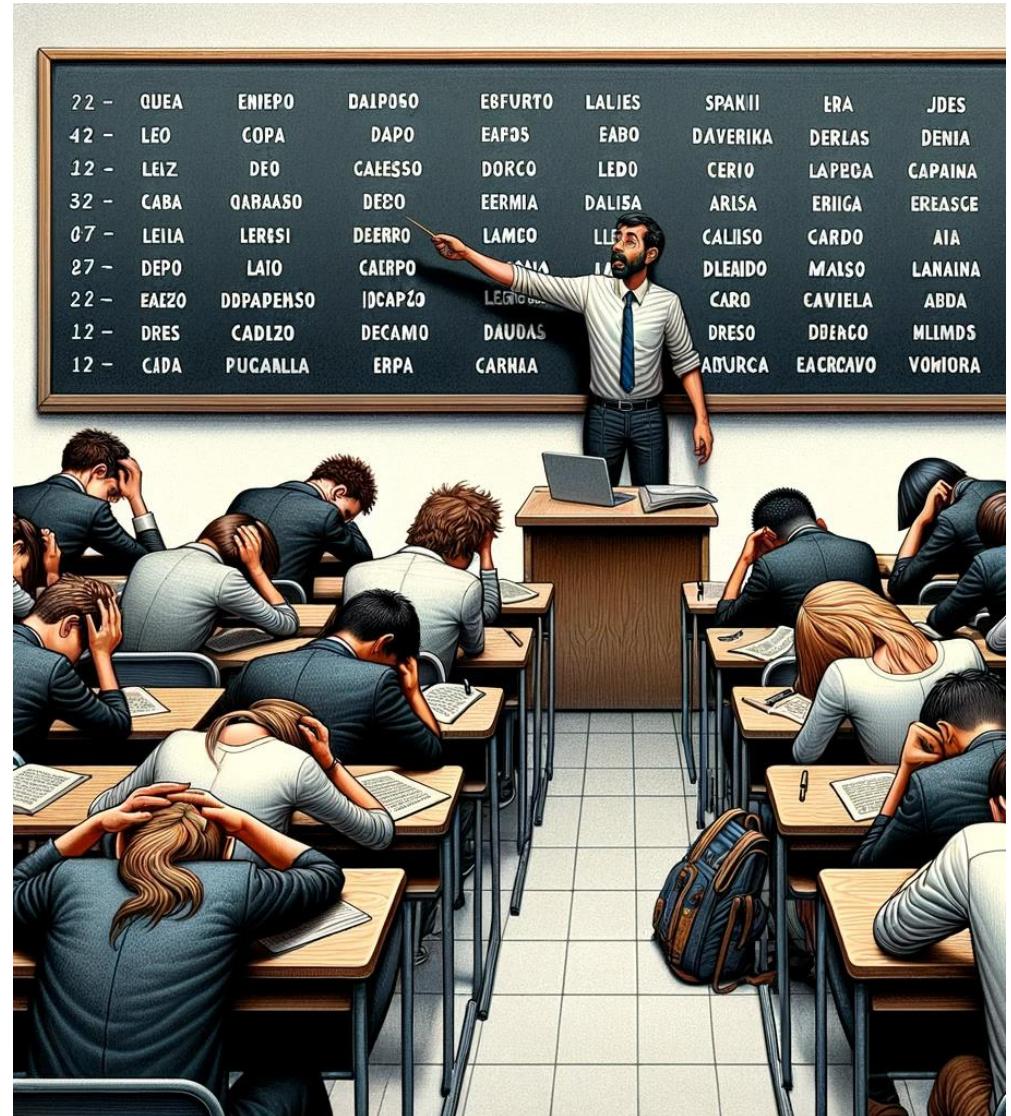
Starting questions

- What is the role of the teacher in **vocabulary learning**?
- What are **incidental** and **Intentional** learning?
- What are **productive** and **receptive** learning?

Teacher's role and vocabulary learning

Teachers' role according to Nation (2022):

- **Plan** =focusing on relevant-useful vocabulary
- **Organize**: development of class activities and assignments + enabling conditions
- **Train** efficient + autonomous **learning strategies**
- **Assess** = vocabulary size / give feedback
- **Teach** 🚧 limited in time, supplemented with self-learning strategies; the amount is large and retention through teaching is moderate 🚧 .
 - *Intentional and explicit teaching of strategies is essential because of the breadth of it; there is not enough time to work it all in class (Higueras, 2012).*



Two ways to learn



- **Incidental:** Learning without specific intention.
- **Intentional:** Conscious, directed study and practice.

Advocate for a balanced approach to L2 vocabulary instruction, with opportunities for decontextualized instruction (...), supplemented by a combination of receptive and productive activities (...).

Vandenbergh et al. (2021)

Receptive & productive learning

Receptive knowledge. -

Recognizing and remembering the meaning - Reading, listening

- *What does a word look like?*
- *Multiple Choice*

Productive knowledge. - form recognition and recall - Writing, speech

- *How is a word written and spelled?*
- *Open answer*

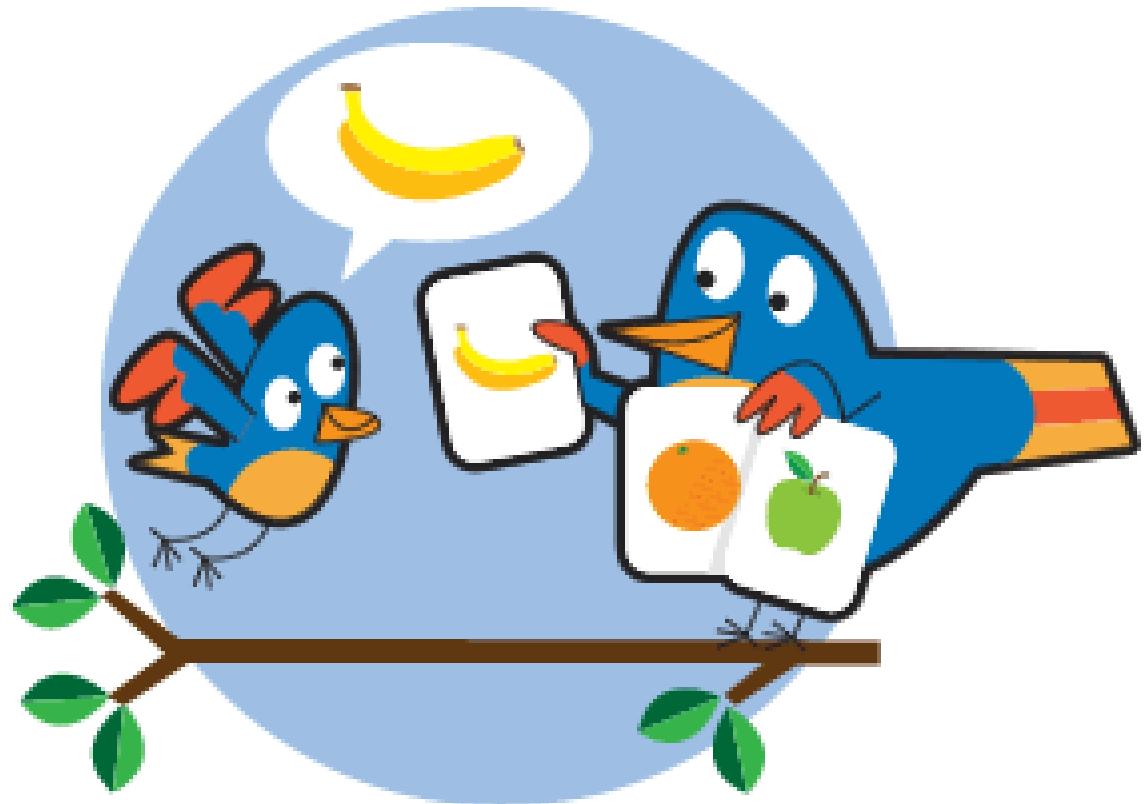
- Schmitt (2010)

Deliberate learning

- + Efficient (time-retention) (Hulstijn, 2003)
- + Short and long term memory (Beaton, Gruneberg y Ellis, 1995)
- + Actual acquisition (Elgort, 2011)
- + Autonomy
- + Especially useful at beginning levels.



Flashcards



A powerful tool

- Cards with information on both sides
- Facilitate review and self-testing
- Ideal for spaced repetition and productive learning



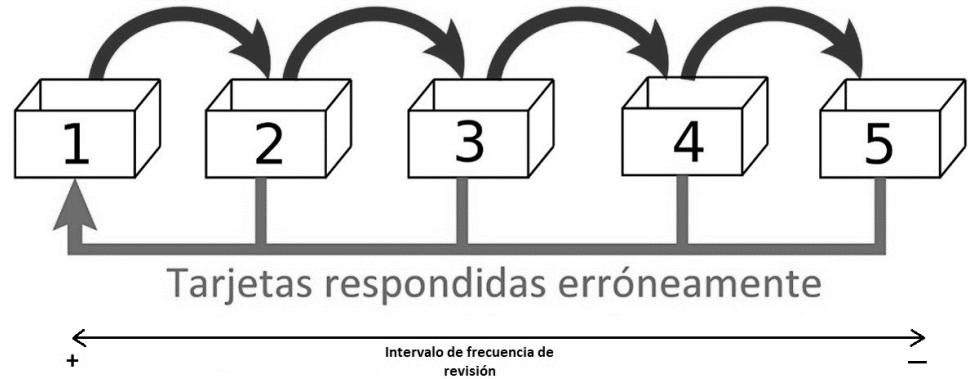
Spaced repetition

Psychology (Ebbinghaus, 1885, Leitner, 1972) cognitive sciences (Dunlosky et al., 2013, Nakata).

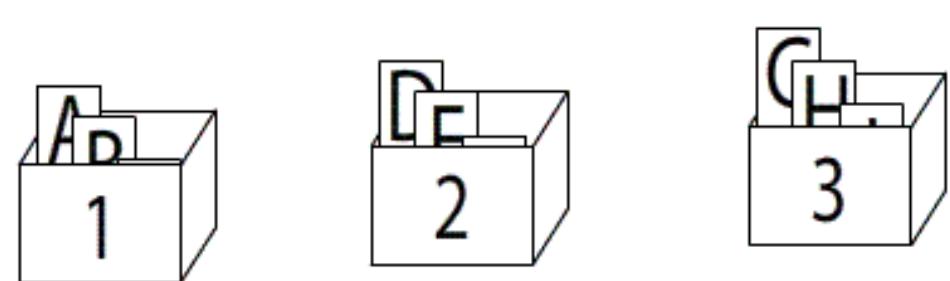
Study information at specific and extended time intervals.

Maximize retention.

Tarjetas respondidas correctamente



Session 1



Apart from the target lexical unit, what can be included on a flashcard?

1

2

What can be included in a flashcard?

- Definition (in L1 or L2)
- Genre
- Category (adjective, noun, periphrasis, collocation, verb, etc.)
- Example sentences
- Drawing
- Translations (in 1 or more languages) (of definition or sentences)
- When it is taught in class (place in manual, class, etc.)
- Notes: register, irregularities, etc.
- Pronunciation
- Keyword technique
- Parts of the lexical unit
- Common collocations
- *Sound
- *Image (depictions, memes, gifs, etc.)

miedo

POS: **nombre**

IPA: ['mje.ðo]

Frequency Rank: 1591

Definition: **terror**

Hint (only if absolutely necessary):

Show English Translation of Word

Example Sentence:

¿Tienes miedo?

IPA: [ɛ 'tje.neš 'mje.ðo?]

Show English Translation of Sentence

<1m <10m 4d

Again Good Easy

Knowing a word

(Nation, 2022, p. 54)

Table 2.1 What is involved in knowing a word

Form	spoken	R	What does the word sound like? P	How is the word pronounced?
	written	R	What does the word look like? P	How is the word written and spelled?
	word parts	R	What parts are recognisable in this word? P	What word parts are needed to express the meaning?
Meaning	form and meaning	R	What meaning does this word form signal? P	What word form can be used to express this meaning?
	concept and referents	R	What is included in the concept? P	What items can the concept refer to?
	associations	R	What other words does this make us think of? P	What other words could we use instead of this one?
Use	grammatical functions	R	In what patterns does the word occur? P	In what patterns must we use this word?
	collocations	R	What words or types of words occur with this one? P	What words or types of words must we use with this one?
	constraints on use (register, frequency ...)	R	Where, when, and how often would we expect to meet this word? P	Where, when, and how often can we use this word?

In column 3, R = receptive knowledge, P = productive knowledge.

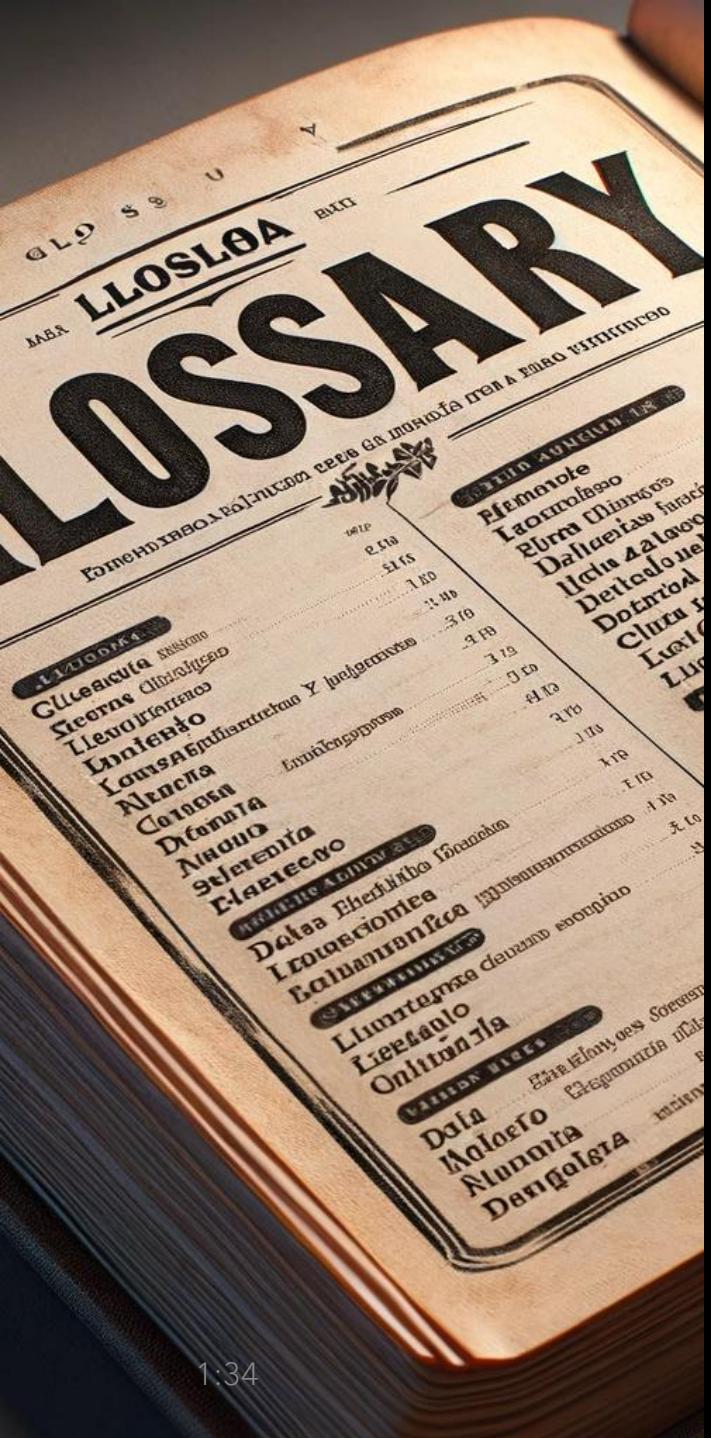
Deliberate vocabulary learning from word cards

(Nation, 2022, p. 402)

Table 11.1 Aspects of word knowledge dealt with by learning from word cards

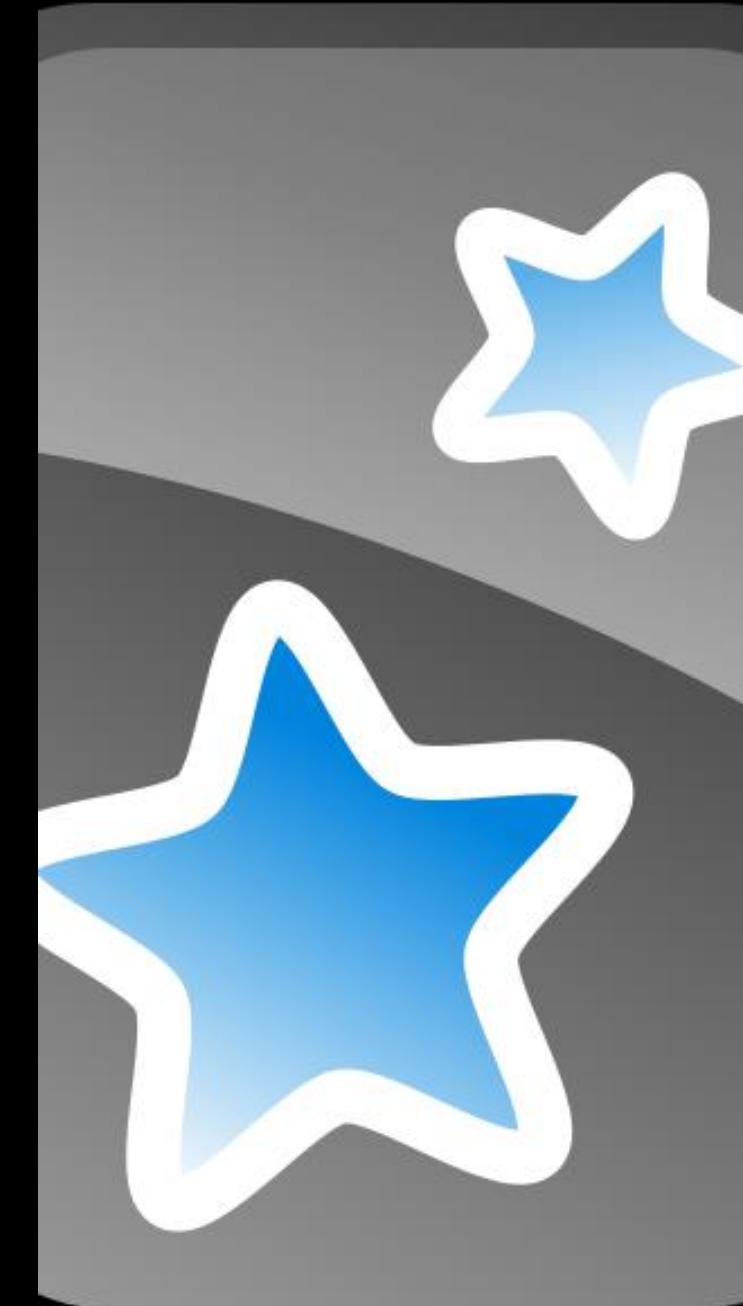
Form	spoken	R	✓✓
	written	P	
	word parts	R	✓✓
Meaning	form and meaning	P	
	concept and referents	R	✓
	associations	P	
Use	grammatical functions	R	✓
	collocations	P	✓
	constraints on use (register, frequency ...)	R	✓
		P	

In column 3, R = receptive knowledge, P = productive knowledge. In column 4, ✓✓ = well dealt with, ✓ = partly dealt with.



From the Glossary to Anki

Step by step



Anki

- Digital tool for flashcards.
- Based on spaced repetition.
- Customizable and versatile.
- *Learning curve: complex
- Multiplatform: available on PC, mobile and web.
- Active community: addons and shared decks.



Types of cards in Anki

Choose card type:

Reversible: Question and answer (Receptive / productive)

Cloze: Fill in the blanks

Images: produce target with an image.

Audio: produce target listening to an audio.

Sentence receptive / productive learning



Step by step

- Download the app on Windows or Mac
- Register
- Download my sample card and use it to get started (double click)
- Import your glossary into a data table
 - (Excel/sheets): -Copy and paste-
 - For photos: use an OCR program: like "PowerToys Text Extractor"-Correct with AI if the copy contains errors



Sample card: Receptive

de manga larga

▶

English: long sleeve

Sentence: *En invierno prefiero camisas de manga larga.*

Translation: *In winter I prefer long-sleeved shirts.*

Trad. Chinese: 长袖

Simp. Chinese: 長袖

Notes:

Colocación

9 + 1 + 0

Mostrar respuesta

<1 m <6 m <10 m 3 d

Editar Otra vez Difícil Bien Fácil

de manga larga

▶

English: long sleeve

Sentence: *En invierno prefiero camisas de manga larga.*

Translation: *In winter I prefer long-sleeved shirts.*

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Mostrar respuesta

<1 m <6 m <10 m 3 d

Editar Otra vez Difícil Bien Fácil



12:34 ☀️ M & 81% 12:34 ☀️ M & 81% 12:33 ☀️ M & 81% 12:33 ☀️ M & 81%

Sesión de estudio... ⏪ ⏴ ⏵ ⏵

55 6 4 55 6 4 59 2 4 59 2 4

sailor

.....

---marinero -----

↓

el marinero / la

marinera

el marinero / la marinera

Los marineros están en el puerto

The sailors are in the port

水手/路

Ejercicio: 10. UN BARRIO IDEAL

Escribir respuesta

Mostrar respuesta

no | y

1 2 3 4 5 6 7 8 9 0

Sample card:
Productive

Microsoft SwiftKey

<1 m Otra vez <6 m Difícil <10 m Bien 4 d Fácil

123 , . ⏪ ⏴ ⏵ ⏵

12:34 ☀️ M & 81% 12:34 ☀️ M & 81% 12:33 ☀️ M & 81% 12:33 ☀️ M & 81%

Sesión de estudio... ⏪ ⏴ ⏵ ⏵

55 6 4 55 6 4 59 2 4 59 2 4

sailor

.....

el marinero / la

marinera

el marinero / la marinera

Los marineros están en el puerto

The sailors are in the port

水手/路

Ejercicio: 10. UN BARRIO IDEAL

Escribir respuesta

Mostrar respuesta

no | y

1 2 3 4 5 6 7 8 9 0

q w e r t y u i o p

a s d f g h j k l ñ

z x c v b n m ⏪ ⏴ ⏵ ⏵

123 , . ⏪ ⏴ ⏵ ⏵

12:34 ☀️ M & 81% 12:34 ☀️ M & 81% 12:33 ☀️ M & 81% 12:33 ☀️ M & 81%

Sesión de estudio... ⏪ ⏴ ⏵ ⏵

55 6 4 55 6 4 59 2 4 59 2 4

trafic

.....

el traffico

↓

el tráfico

el tráfico

Llego tarde a menudo por el tráfico

I'm often late because of the traffic

交通

Ejercicio: 4. MI BARRIO

Escribir respuesta

Mostrar respuesta

no | y

1 2 3 4 5 6 7 8 9 0

q w e r t y u i o p

a s d f g h j k l ñ

z x c v b n m ⏪ ⏴ ⏵ ⏵

123 , . ⏪ ⏴ ⏵ ⏵

- Ancho/a
- Bolso
- Botas
- Bufanda
- Camisa
- Camiseta
- Chaqueta
- Cinturón
- Clásico
- Cómodo/a
- Corbata
- Corto/a
- De cuadros
- De manga corta
- De manga larga
- De rayas
- De tirantes
- Deportivo/a
- Elegante
- Estampado
- Estrecho/a
- Falda
- Gafas
- Gafas de sol
- Gorra
- Gorro
- Jersey
- Largo
- Llevar
- De manga corta
- De manga larga
- Moderno
- Pantalón
- Pantalones cortos
- Ponerse
- Prenda
- Probar
- Pulsera
- Quitarse
- Raya
- Reloj
- Ropa
- Ropa interior
- Sandalias
- Sombrero
- Traje
- Vestido
- Vestirse
- Zapatillas
- Zapatos

Add it to Excel/sheets: simply copy and paste

For photos: use an OCR program: like "PowerToys Text Extractor"

Or ask GPT

And correct with GPT if the copy contains mistakes

*GPT, DeepL y *flashcards*

GPT

- example sentences.
- category of the units
- contents (translations, antonyms-synonyms, collocations, irregularities, etc.)

DeepL

- Good quality translations



Prompt: GPT

(Semester 1 course)

Transfer the following glossary to an excel/data table.

- In the second column add the translation to English
- In another column add the grammatical category (verb, adjective, masculine or feminine noun, collocation, adverb, pronoun, etc.).
- Add another column with a sample sentence for each lexical unit, it has to be a simple sentence with verbs in the present indicative tense, appropriate for an A1 student of Spanish according to the CEFR. They can include verbs in the present tense or some periphrasis such as "tener que" or "ir a infinitivo".
- Add another column of notes, where you can indicate irregularities for example with verbs (pronominal, irregular o-ue, irregular e-i, first person irregular (pongo, hago, etc), e-ie, totally irregular) or nouns (ropa: incontable, gafas: plural etc). Do NOT forget this.
*If they are adjectives, remove the "/a".



PA

Pasa este glosario a una tabla de datos.

- En la segunda columna añade la traducción
- En otra columna agrega la categoría gramatical (verbo, adjetivo, nombre masculino o femenino, colocación, adverbio, pronombre, etc.)
- Agrega otra columna con una frase de ejemplo para cada unidad léxica, tiene que ser una frase sencilla con verbos en presente de indicativo, apropiadas para un estudiante de A1 de español según el MCERL. Pueden incluir verbos en presente o alguna perifrasis como tengo que o ir a infinitivo.
- Agrega otra columna de notas, donde se pueden indicar irregularidades por ejemplo con los verbos (pronominal, irregular o-ue, irregular e-i, first person irregular (pongo, hago,etc), e-ie, totalmente irregular) o nombres (ropa: incontable, gafas:plural etc). NO olvides esto por favor.

*Si son adjetivos, elimina la "/a". No hace falta que menciones esto.

Ancho/a

Bolso

Botas

Bufanda

Camisa

Camiseta

Chaqueta

Cinturón

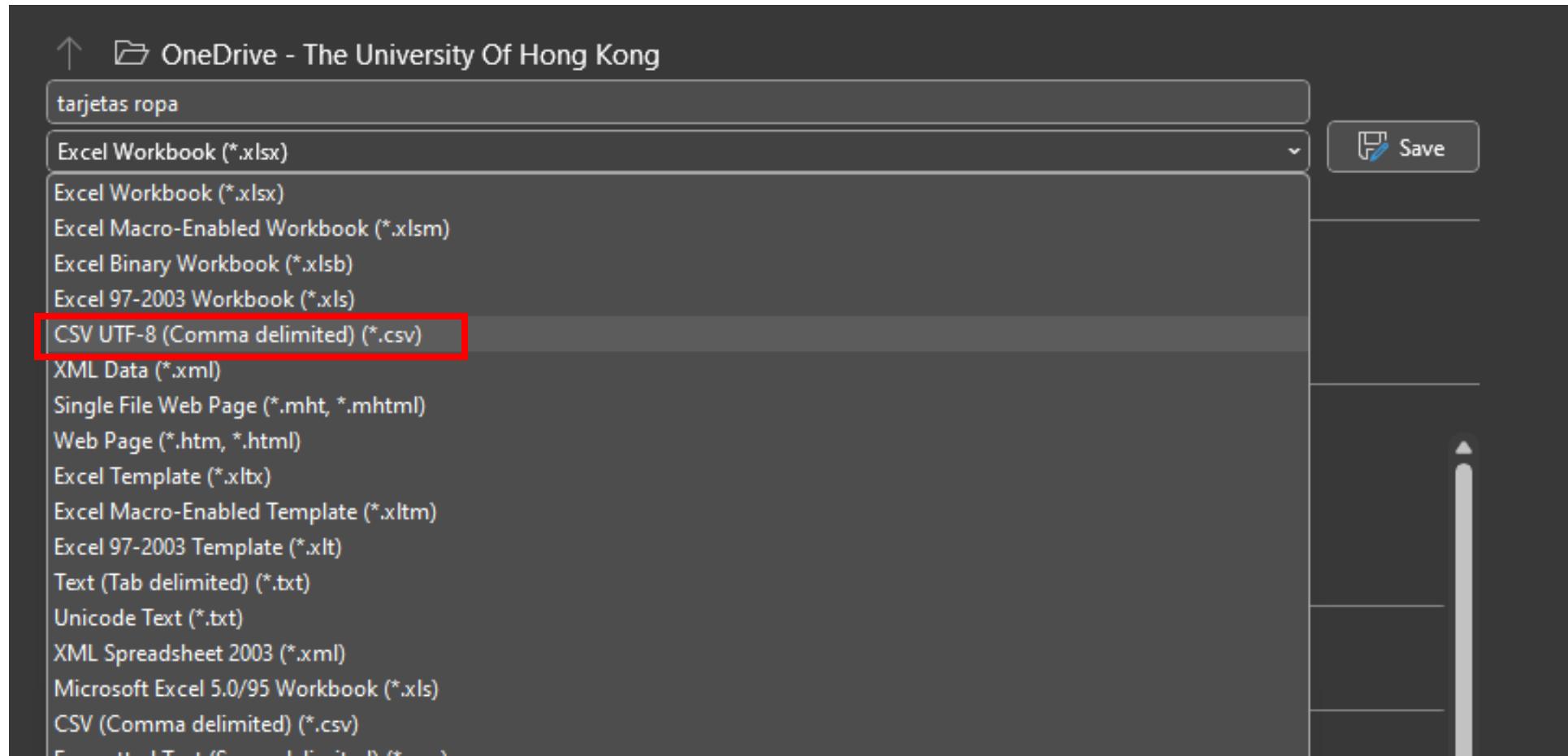
Clásico

 Regenerate

 Send a message



Save your table as “CSV UTF-8” and import it to Anki



Import options



Notetype

HKU EJEMPLO+



Deck

Example deck



Existing notes

Update



Match scope

Notetype



Tag all notes



Tag updated notes



Field mapping

Target

1: Ancho



Eng

2: Wide



Category

3: Adjetivo



Sentence

4: Esta camisa es muy ancha para mí.



Sentence in Eng

8: 这件衬衫对我来说太宽了。



Sentence in Simp. Ch

6: This shirt is too baggy for me.



Simpl. Ch

7: 宽度



Trad. Ch

(Nothing)



Notes

5



Audio

(Nothing)



Image

(Nothing)



Place in Coursebook

(Nothing)

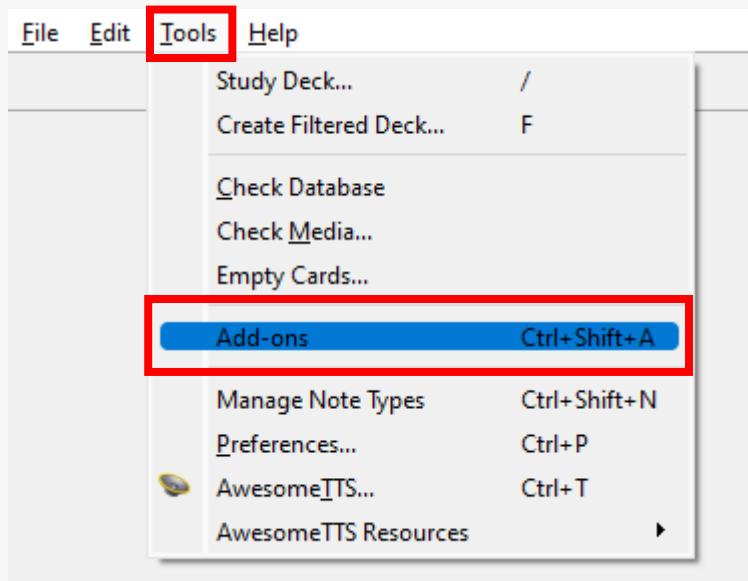


Tags

(Nothing)



Check
correspondence



Improve Anki with addons

1436550454

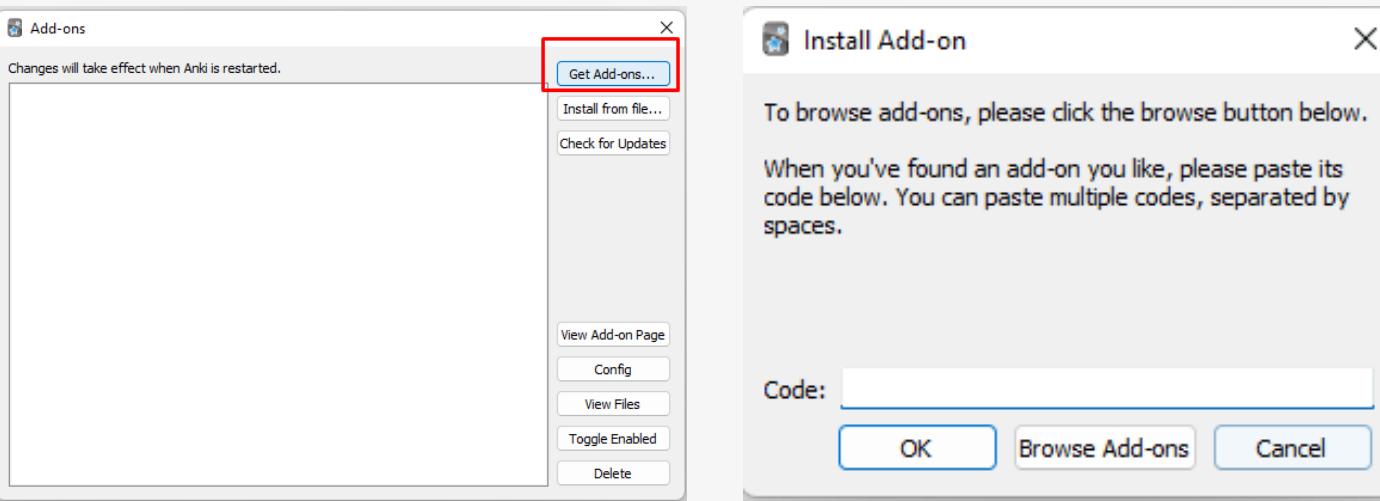
- [AwesomeTTS - Add speech to your flashcards - AnkiWeb](#)

1536291224

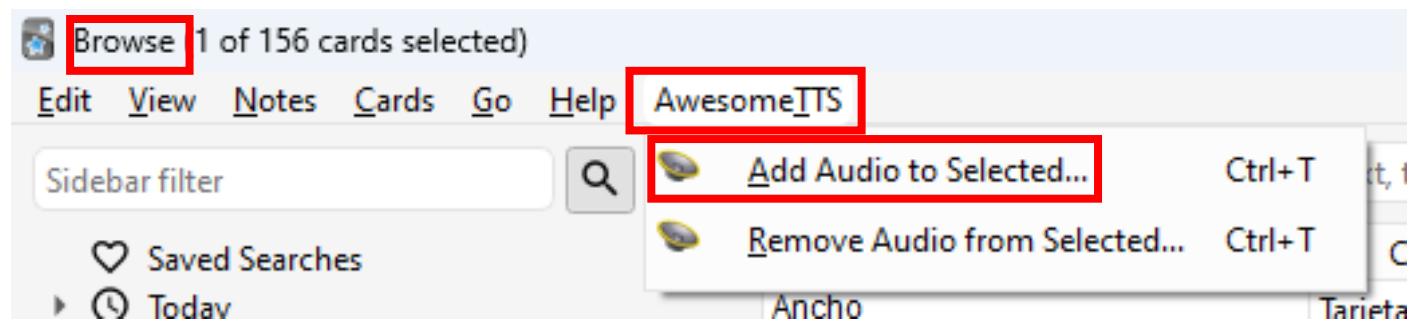
- [Google Translate - AnkiWeb](#)

561924305

- [Batch Download Pictures From Google Images - AnkiWeb](#)



Add audio



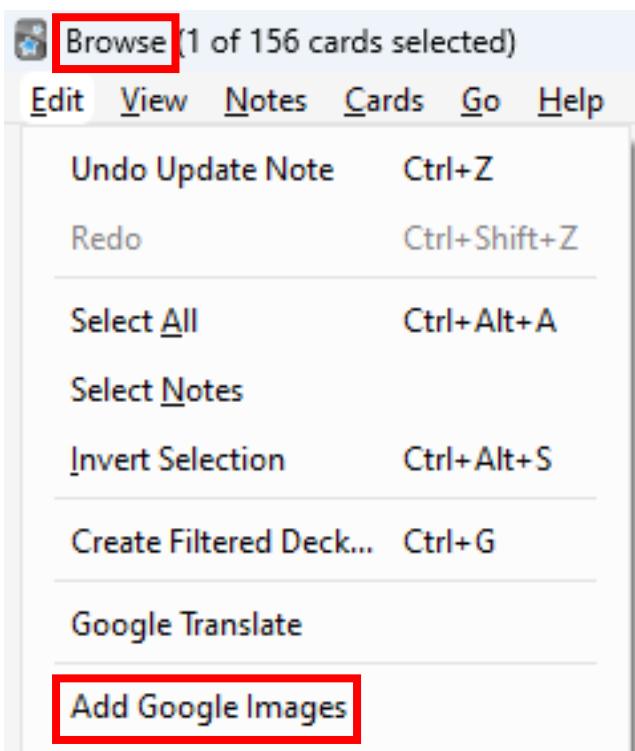
This is a configuration dialog for the AwesomeTTS service. It has several sections:

- Configure Service**:
 - Generate using: A dropdown menu set to "SpanishDict" (highlighted with a red box).
 - Get All Voices: A green button.
 - 1200+ High quality TTS voices: Text describing the service.
 - Signup for trial in one second, just enter your email.: A call-to-action.
- Fields and Handling**:
 - Source Field: A dropdown menu set to "Español" (highlighted with a red box).
 - Destination Field: A dropdown menu set to "Audio" (highlighted with a red box).
 - Append [sound:xxx] Tag onto Destination Field: An option with an empty radio button.
 - Overwrite the Destination Field w/ Media Filename: An option with a checked radio button.
 - Wrap the Filename in [sound:xxx] Tag: An option with a checked checkbox.
- Preview**:
 - A text input field labeled "type a phrase to test...".
 - A "Preview" button.
- Buttons at the bottom: "Generate", "Cancel", and "Help".

At the bottom left, there is a note: "Quickly access this service later?"

Add images

Try; sentence or the field
with the main target in
the meta L



Batch Download Pictures From Google Images

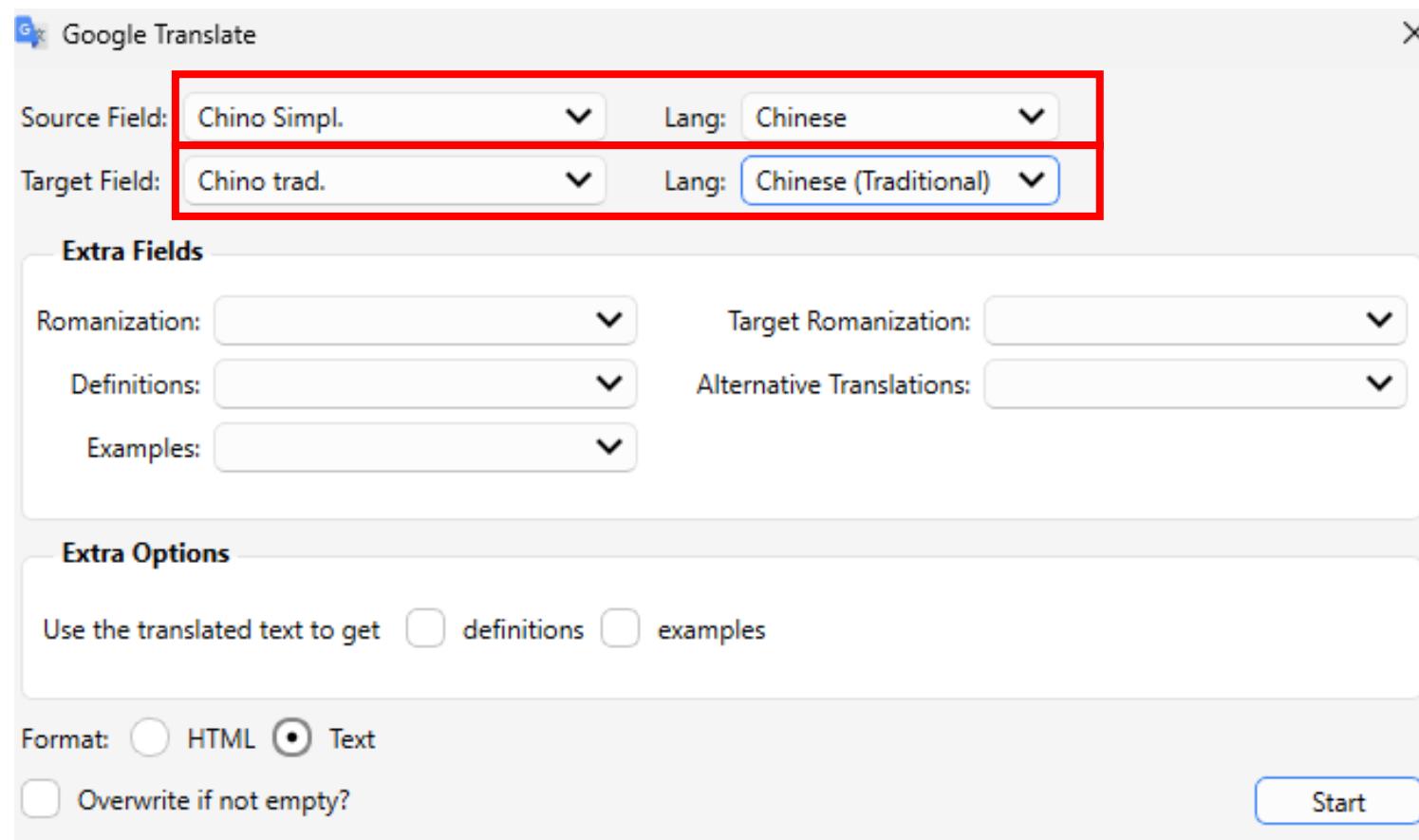
Source Field: Frase

Name:	Search Query:	Target Field:	Count:	If not empty?
Word	{}	Foto	1	Append
nition	{} definition	<ignored>	1	Append
Giphy	{} giphy	<ignored>	1	Append
ipedia	{} wikipedia	<ignored>	1	Skip
media	{} wikimedia	<ignored>	1	Skip
Meme	{} meme	<ignored>	1	Append
mages	{} gettyimages	Foto	1	Append
rstock	{} shutterstock	<ignored>	1	Skip

Start

This screenshot shows the 'Batch Download Pictures From Google Images' dialog box. It has a dropdown menu 'Source Field' set to 'Frase'. Below it is a table with eight rows, each defining a search query and its target field. The first row, 'Word', maps an empty search query to the 'Foto' target field. Subsequent rows map various search terms from sources like 'nition', 'Giphy', 'ipedia', 'media', 'Meme', 'mages', and 'rstock' to either the 'Foto' target field or the '<ignored>' field. Each row includes controls for 'Count' (set to 1), 'If not empty?' (with options 'Append' or 'Skip'), and 'Width' and 'Height' (both set to 260). A blue arrow points from the text 'Try; sentence or the field with the main target in the meta L' to the 'Source Field' dropdown.

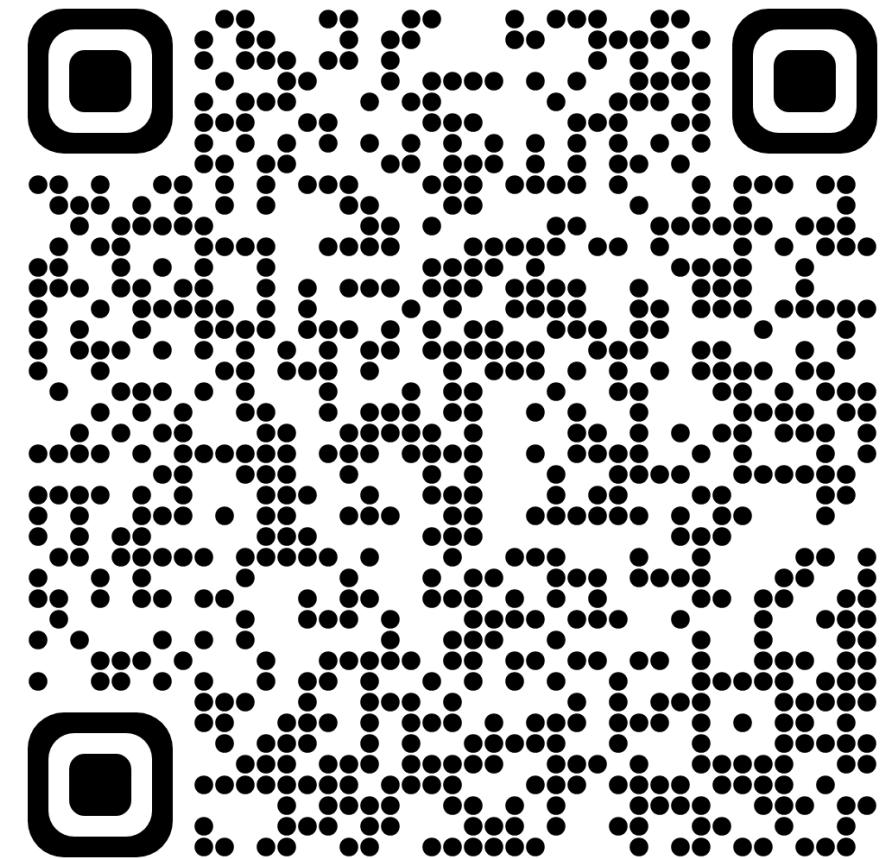
Add translations



Share with your students

And teach how to use it
(Adapt the document in my folder for that)

If you have any questions, let me know: pablot@hku.hk



Thank you



Q & A

Lexical adquisition keys 1/2

- !! Noticing: (Schmidt, 1990)
- ⚙️ Processing and implication - (Lockhart y Craik, 1990, Hulstijn y Laufer, 2001)
- ♻️ Reciclyng and repeating - Memory trace theory (Cohen et al., 1986).

«Several decades of psycholinguistic research have made it clear that lexical information simply needs to be reactivated on a regular basis to remain readily accessible.». Hulstijn (2007, p. 276) .

Lexical adquisition keys 2/2

Productive retrieval Schmitt (2010, p. 86)

  Receptive knowledge. - Recognizing and remembering the meaning - Reading, listening

  Productive knowledge. - form recognition and recall - Writing, speech

 Dual codification (Clark y Paivio, 1991)

 Lexical units and collocations: "manzana", "dar la vuelta", "a pesar de"

Tips for the correct use of (paper) cards

- Learn receptively and then productively - turn the card over.
- Change the order in which the cards appear - shuffle them - *Lists
- Pronounce aloud
- Use collocations or phrases as context
- Concentrate and process the information in depth
- Use spaced repetition



Some Mnemonic Association Strategies

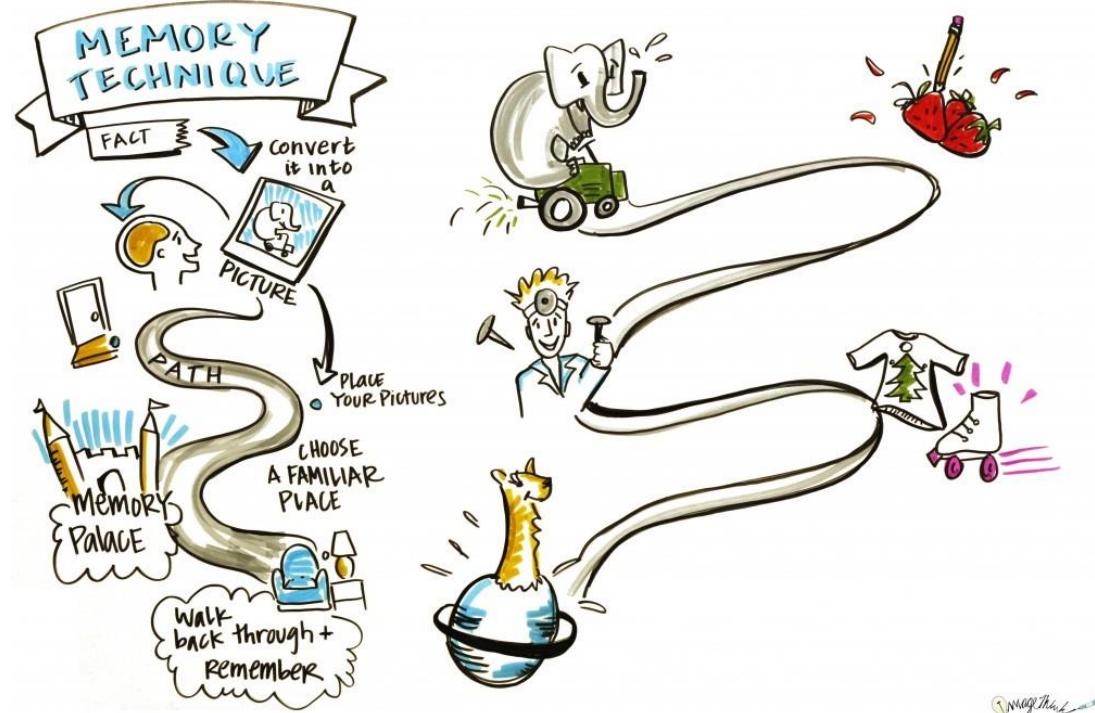
- Connect new information with previous knowledge (keyword, etc).
- Create mental images or stories (loci or peg).



1:34 Carta - cart



Paloma - Plaa-loma



Flor - Floor



Àomén - Almond

References

- Nation, P. (2022). *Learning Vocabulary in Another Language* (3.^a ed.). Cambridge University Press. <https://doi.org/10.1017/9781009093873>
- Higueras, M. (2012). Claves prácticas para la enseñanza del léxico. *Revista Nebrija de Lingüística Aplicada a la Enseñanza de Lenguas*, 11. <http://www.nebrija.com/revista-linguistica/files/articulosPDF/9.Higueras.pdf>
- Lockhart, R. S., & Craik, F. I. M. (1990). Levels of processing: A retrospective commentary on a framework for memory research. *Canadian Journal of Psychology/Revue canadienne de psychologie*, 44(1), 87-112. <https://doi.org/10.1037/h0084237>
- Hulstijn, J. H., & Laufer, B. (2001). Some Empirical Evidence for the Involvement Load Hypothesis in Vocabulary Acquisition. *Language Learning*, 51(3), 539-558. <https://doi.org/10.1111/0023-8333.00164>
- Schmidt, R. (1990). The Role of Consciousness in Second Language Learning1. *Applied Linguistics*, 11(2), 129-158. <https://doi.org/10.1093/applin/11.2.129>
- DeKeyser, R. (1998). Beyond focus on form: Cognitive perspectives on learning and practicing second language grammar. In C. Doughty & J. Williams (Eds.), *Focus on Form in Classroom Second Language Acquisition*. Cambridge: Cambridge University Press.
- Cohen, G., Eysenck, M. W., & Le Voi, M. E. (1986). *Memory: A cognitive approach*. Open University Press.
- Schmitt, N. (2010). *Researching vocabulary: A vocabulary research manual*. Palgrave Macmillan.
- Clark, J. M., & Paivio, A. (1991). Dual Coding Theory and Education. *Educational Psychology Review*, 3(3), 149-210. <https://doi.org/10.1007/BF01320076>
- Vandenbergh, B., Perez, M. M., Reynvoet, B., & Desmet, P. (2021). COMBINING EXPLICIT AND SENSITIVE INDICES FOR MEASURING L2 VOCABULARY LEARNING THROUGH CONTEXTUALIZED INPUT AND WORD-FOCUSED INSTRUCTION. *Studies in Second Language Acquisition*, 43(5), 1009-1039. <https://doi.org/10.1017/S0272263120000431>
- Elgort, I. (2011). Deliberate Learning and Vocabulary Acquisition in a Second Language. *Language Learning*, 61(2), 367-413. <https://doi.org/10.1111/j.1467-9922.2010.00613.x>
- Beaton, A., Gruneberg, M., y Ellis, N. (1995). Retention of foreign vocabulary learned using the keyword method: A ten-year follow-up. *Second Language Research*, 11(2), 112-120. <https://doi.org/10.1177/026765839501100203>
- Hulstijn, J. H. (2003). Incidental and Intentional Learning. En *The Handbook of Second Language Acquisition* (pp. 349-381). John Wiley & Sons, Ltd. <https://doi.org/10.1002/9780470756492.ch12>