

Retrieval Practice Learning Techniques Session 2

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4 Methods of Retrieval Practice

@ImpactWales

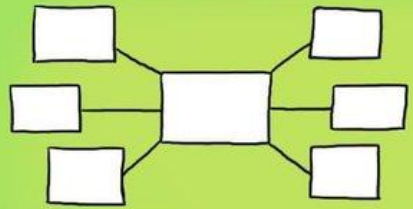
Before you start put away all your books & classroom materials.

Retrieval Practice Examples

- * Exit Tickets
- * Starter quizzes
- * Multiple choice quizzes
- * Short answer tests
- * Free write
- * Think, pair, share
- * Ranking & sorting
- * Challenge grids

BRAIN DUMP

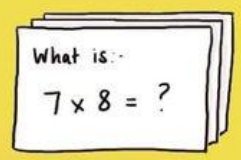
Write, draw a picture, create a mind-map on everything you know about a topic.



Give yourself a time limit, say 3 minutes, then have a look at your books & add a few things you forgot.

FLASHCARDS

Create your own flashcards, question on one side answer on the other. Can you make links between the cards?



You need to repeat the Q&A process for flashcards you fail on more frequently & less frequently for those you answer correctly.

QUIZZING

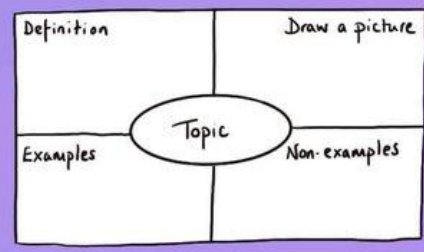
Create practice questions on a topic. Swap your questions with a partner & answer.

Question - What is a metaphor?

- A comparison using 'like, as, than'.
- A comparison where one thing is another.
- A comparison with a human attribute.

KNOWLEDGE ORGANISERS

Complete a knowledge organiser template for key information about a topic.



You can use knowledge organisers to learn new vocab & make links in between subjects or ideas.

After you have retrieved as much as you can go back to your books & check what you've missed. Next time focus on that missing information

Effectiveness of Learning Techniques

Technique	Effectiveness	Description of Technique
Practice Testing	High	Self-testing or using past-exam questions while learning.
Distributed practice	High	Developing a schedule of revisions / learning activities over time.
Elaborative Interrogation	Moderate	Thinking about 'why' you have answered a question or creating an explanation for a response.
Self-explanation	Moderate	Linking new information to known information or using applied questions (problem based learning).
Interleaved Practice	Moderate	Developing a schedule that mixes different techniques during a period of study.
Summarisation	Low	Writing summaries of concepts / area of study.
Highlighting	Low	The use of highlighters or underlining while read / rereading.
Keyword Mnemonic	Low	Use of key terms / acronyms / images to associate with concepts to be learned.
Imagery	Low	Attempting to form mental images of materials while reading.
Rereading	Low	Revisiting text that has already been read.

Revision

Session 2

Sunday, 17 October 2021

The more memorable you can make your notes, the better they stick in your head

I like to use visual ideas to help explain what a word means.

E.g. writing Transverse and Longitudinal, with arrows to show direction of travel

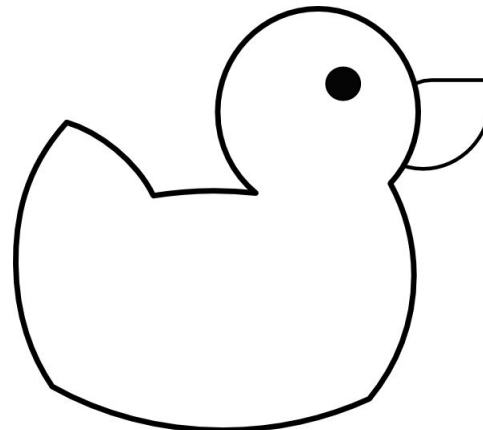
Conduction and convection are types of heat transfer.

Conduction is in solids, convection is liquid and gas

Very similar words, so it can be hard to differentiate

My notes for this would look like....

CON



TION

Because Ducks are solid!

The method of loci is a wonderful way to remember e.g. dates or lists of things

Derren Brown is a big fan of this.

The basic idea is you imagine somewhere you know well, say your street or your house.

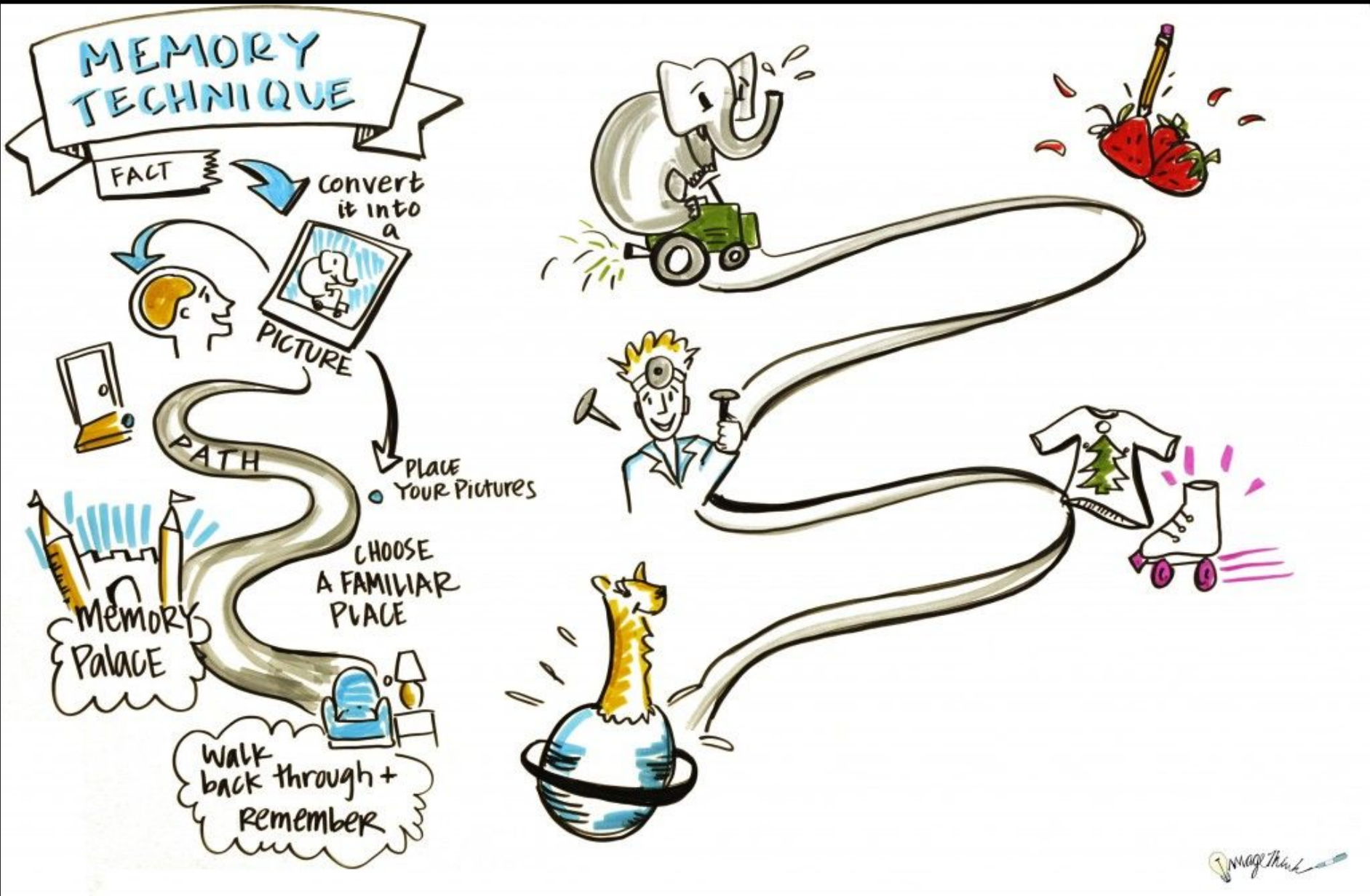
Lets use the street....

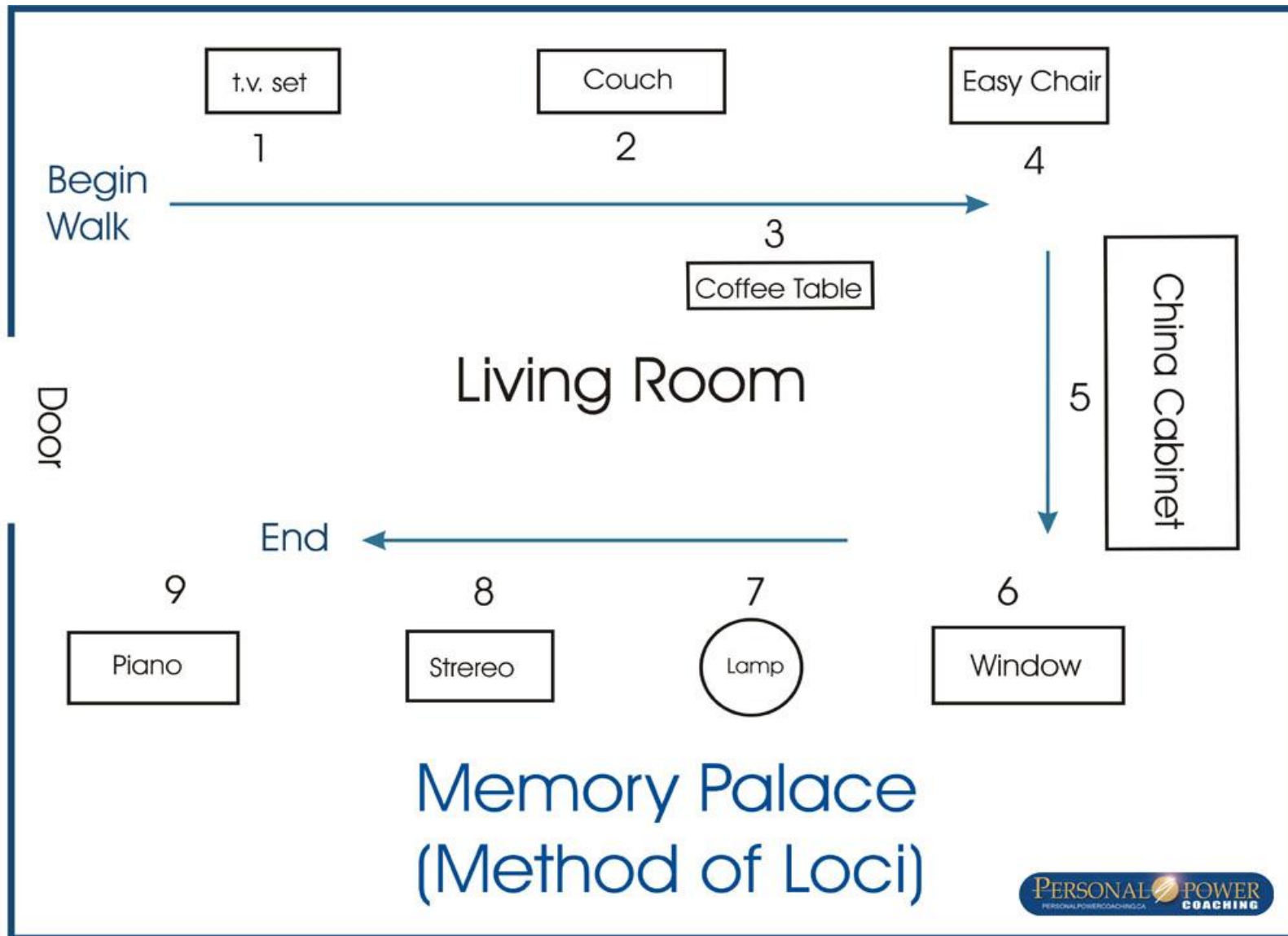
For every house in your street, put a very, very vivid image. Make it really weird. It needs to be memorable

When you need to remember, you go down the route in you head and see the images.

This allows you to remember very long lists of totally unlinked items.



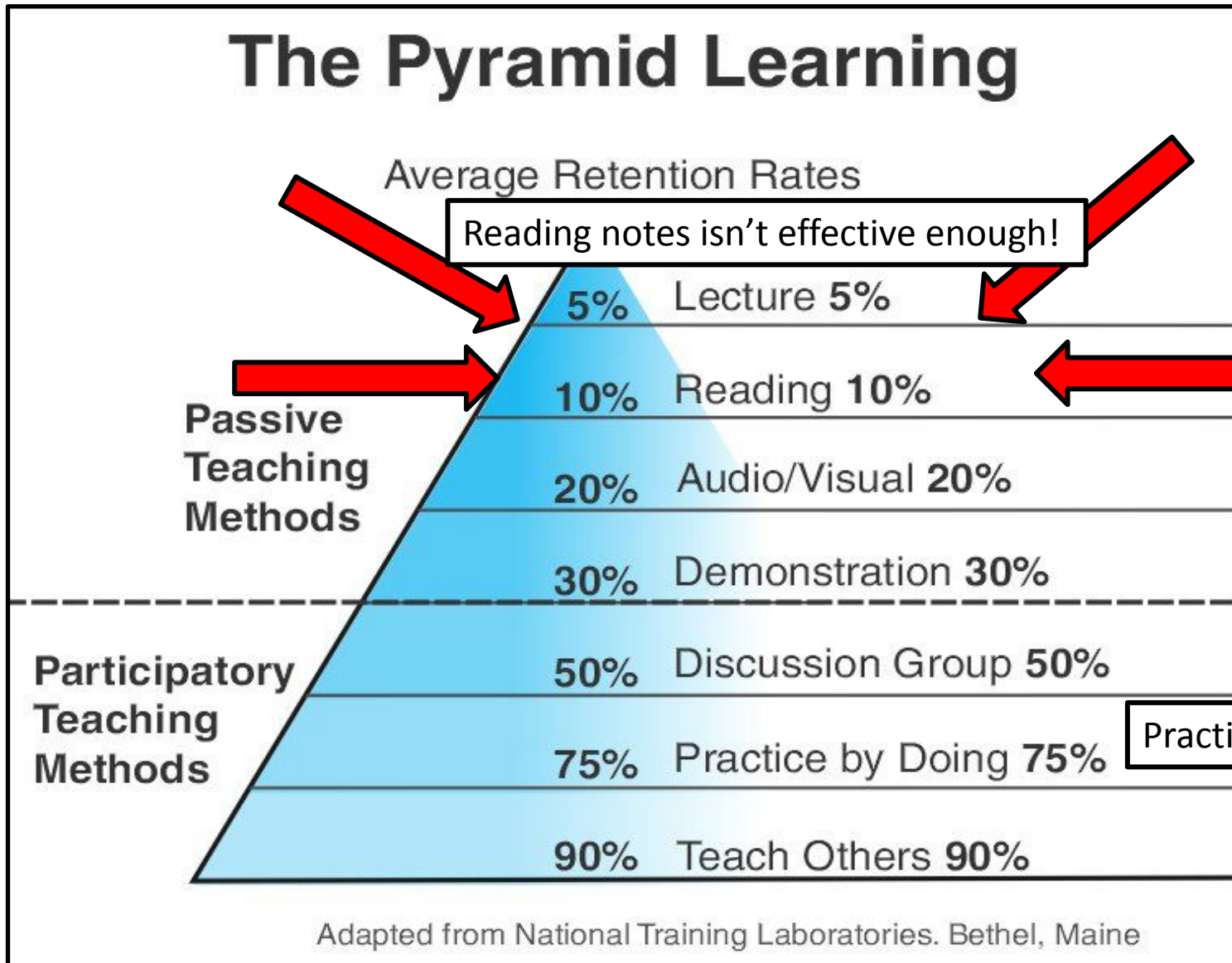




A few final points

- Make sure you're eating. Don't start dieting over revision time, your brain needs fuel
- Minimise distractions, turn off the xBox (even if your KD ratio might suffer)
- Plan it out. Be specific (Monday, Maths, Trigonometry)
- Don't just focus on the areas you're okay with. Push and challenge yourself
- Make sure your revision is as engaging as possible. You won't read years worth of text – Infact reading over notes is the WORST way to revise

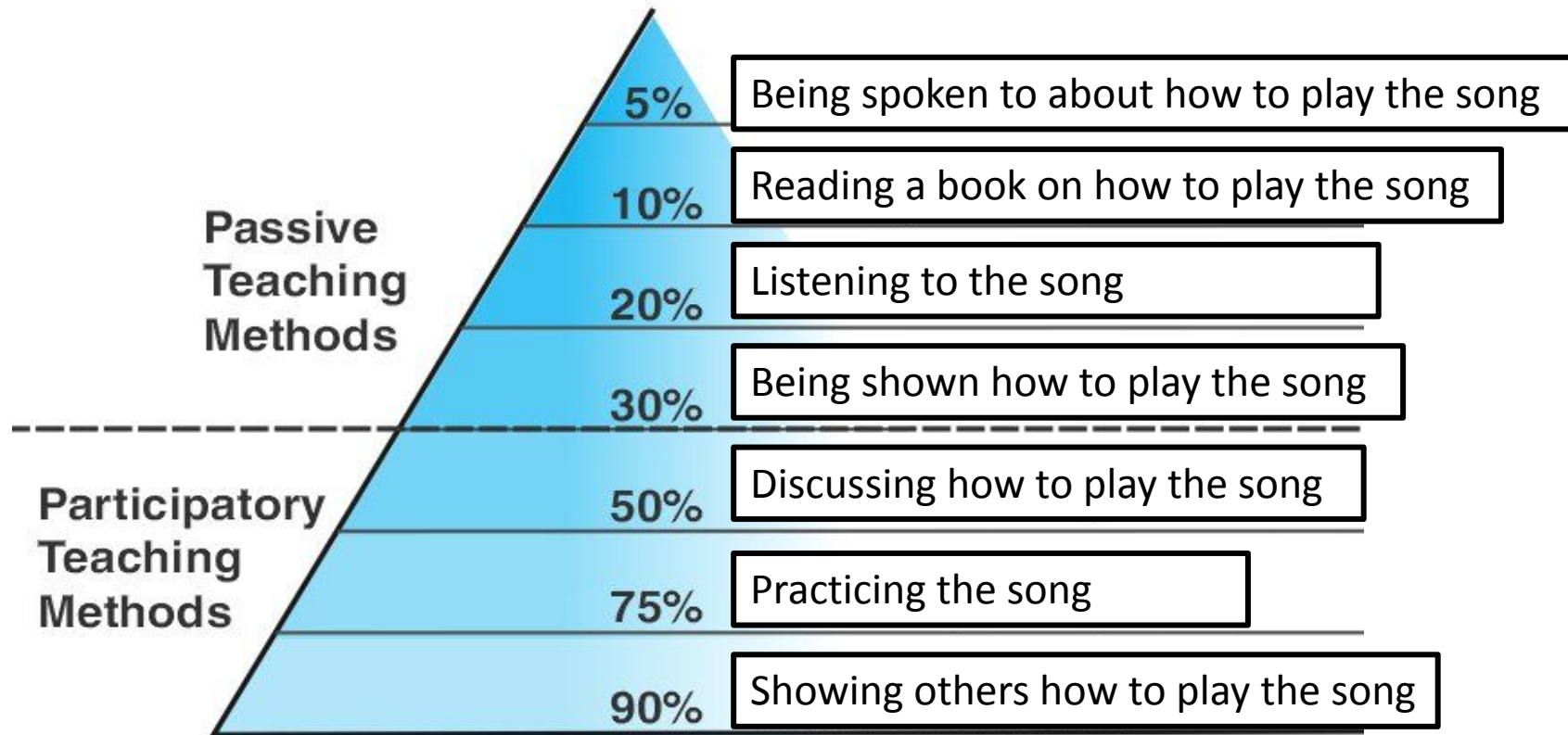




Imagine you need to pass an exam playing the guitar....

Mid Learning

Average Retention Rates



Next session:

Next session we will be looking at using flash cards

