

ELTAM DAY 12-13.03.2021.

21st CENTURY SCHOOLS

QUESTIONS AND QUESTIONING

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WHAT ARE WE TALKING ABOUT

- Generating questions
- Analysing questions
- Questioning
- Workshop – 6 hats

HOW IMPORTANT IS A GOOD QUESTION?

- <https://www.mentimeter.com/s/76549382f6ff968fadc6b8d77e9edd70/ae9b342b65aa/edit>
- [1. how important is to make a good question](#)
- [2. how to make a good question](#)

- <https://www.youtube.com/watch?v=JwjAAgGi-90>

TIPS FOR GOOD QUESTIONING

- Plan your question
- Know your purpose
- Open conversation
- Speak your listener`s language
- Use neutral wording
- Specific instead of general
- Ask only essential questions
- Don`t interrupt

GENERATING QUESTIONS

- Real learning begins with asking a good questions



1. Transform information you have into a question
2. Add new question – what would you like to know
3. Solve problem, come up with some innovative ideas or solution

www.mentimeter.com

1. Tips for good question

- Shallow learning is:
 - managing and memorizing information- short term
 - managing and memorizing e.g. facts to pass an exam

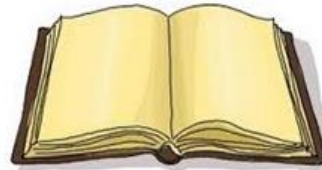
- Deep learning is:
 - knowledge created and understood, use of high order thinking skills e.g. analysing- transferable

use of high order thinking skills e.g. analysis of a graph

ANALYSING QUESTIONS

- First level: ROBOTS

Who, what, when, how, where

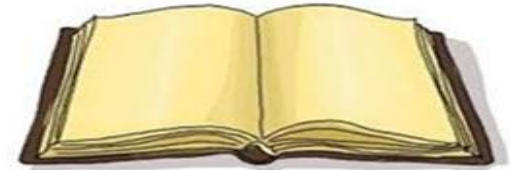


Second level: DETECTIVES

contrasting, connecting, comparing



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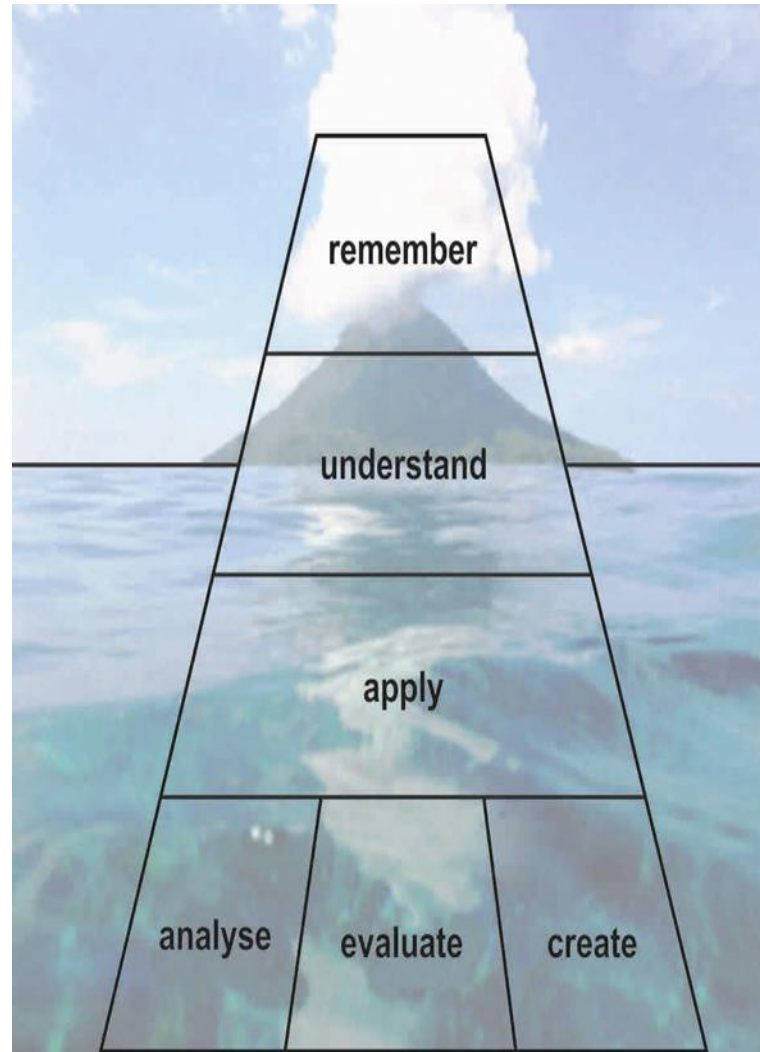
Third level: EXPLORERS

Investigation, creating, evaluating, proving

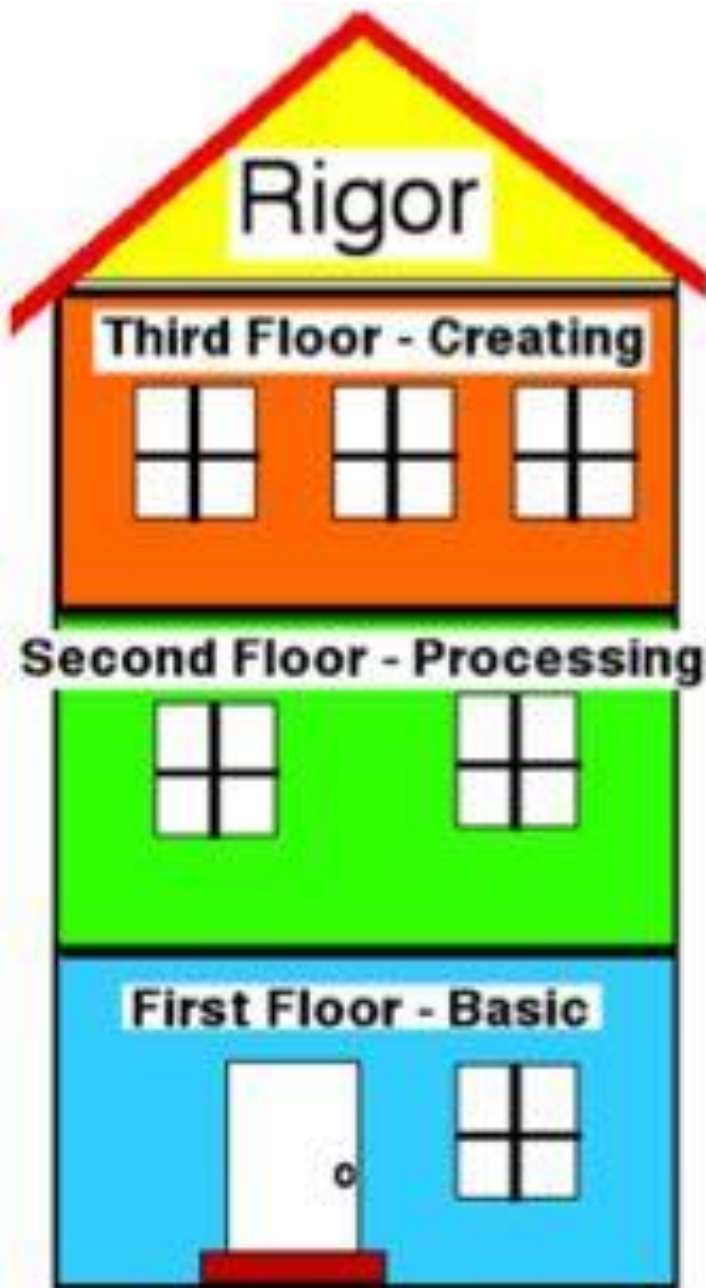


BLOOM'S TAXONOMY

The lowest skills (remember/understand) are peaking out on the surface of this volcanic island



The highest order thinking skills (analyse/evaluate/create) are deep on the ocean floor



Rigor				
Evaluate	Generalize	Imagine	Judge	
Predict	If/Then	Speculate	Hypothesize	
Forecast	Idealize	Apply the Principle		
Compare	Contrast	Sort	Distinguish	
Explain Why	Infer	Sequence		
Analyze	Synthesize	Make Analogies		
Complete	Count	Match	Name	Define
Observe	Describe	Identify	List	Select
Recite	Scan			

www.myquizziz.com

<https://quizizz.com/admin/quiz/5a85d0e4fcd046002030a9e0/costas-level-of-questioning>

<https://quizizz.com/admin/quiz/603a67c62daa85001b737d44/bloom-s-taxonomy-question-words>

FOUR OF THE MAJOR CHANGES WE WILL NEED TO SEE IN OUR SCHOOLS

- A change to how teachers plan and deliver lessons
- A change from shallow learning to deep learning
- Skilful questioning techniques developed by teachers
- Collaboration in and across schools,

➤ **And it will be a lot of work**

PROCESS



Blue Hat - Process

Thinking about thinking.
What thinking is needed?
Organizing the thinking.
Planning for action.

CREATIVITY



Green Hat - Creativity

Ideas, alternatives, possibilities.
Solutions to black hat problems.

FACTS



White Hat - Facts

Information and data.
Neutral and objective.
What do I know?
What do I need to find out?
How will I get the information I need?

BENEFITS



Yellow Hat - Benefits

Positives, plus points.
Why an idea is useful.
Logical reasons are given.

FEELINGS



Red Hat - Feelings

Intuition, hunches, gut instinct.
My feelings right now.
Feelings can change.
No reasons are given.

CAUTIONS



Black Hat - Cautions

Difficulties, weaknesses, dangers.
Spotting the risks.
Logical reasons are given.

"That's all, Folks!"



[HTTPS://QUIZIZZ.COM/ADMIN/QUIZ/5A85D0E4FCD046002030A9E0/COSTAS-LEVEL-OF-QUESTIONING](https://quizizz.com/admin/quiz/5a85d0e4fcd046002030a9e0/costas-level-of-questioning)

<https://quizizz.com/admin/quiz/5a85d0e4fcd046002030a9e0/costas-level-of-questioning>

<https://quizizz.com/admin/presentation/604ac5eade1571002181c758/start>

<https://www.mentimeter.com/s/3291a1784f34e061e298fe99e3791227/4bdea4446eb6/edit?new>

<https://quizizz.com/admin/quiz/603a67c62daa85001b737d44/bloom-s-taxonomy-question-words>