



DATE & DAY : 25th May, 2021 (TUESDAY)
ORGANISED BY : CBSE, COE DELHI
THEME : JOYFUL MATHEMATICS
RESOURCE PERSON : MS. ISHITA MUKHERJEE
ATTENDED BY : MAHAVASH KHAN

Webinar report on topic "ISHITA MUKHERJEE " organized by CBSE, COE DELHI, MS. ISHITA MUKHERJEE focused on following main points
The primary aim of education is not to enable students to do well in school but to help them to do well in the life they lead outside school.

"Education is not the learning of facts but training the mind to think "

Albert Einstein

What is critical thinking?

- 1) critical thinking is making respond decisions or judgments.
- 2) critical thinking is reasonable reflective thinking that is focused on deciding what to believe or do.
- 3) Decisions are not based on guesswork ,emotions or sentiments.
- 4) Critical thinking is not a matter of accumulating information.
- 5) A critical thinker is able to reduce consequences from what he /she knows and he /she knows how to make use of information to solve problems and to seek relevant sources of information to inform himself/ herself.

A critical thinking has the ability to :

- 1) understand the logical connections between ideas**
- 2) identify construct and evaluate arguments**
- 3) identify the relevance and importance of ideas**
- 4) detect inconsistencies and common mistakes in reasoning**
- 5) solve problems systematically.**

What is creative thinking creative thinking?

Creative thinking is the ability to look at things differently and find new ways of solving problems.

creative thinking skills are definitely not just for creative types like artists and musicians. Everyone can benefit from Creative Thinking.

A way of looking at problems or situations from a fresh perspective that suggests unorthodox solutions .

Creative Thinking can be stimulated both by an unstructured process such as brainstorming and by a structured process such as lateral thinking.

Lifelong learning occurs when we are able to combine critical thinking with Creative Thinking.

Ways to add creativity in mathematics:

- 1) Make problems open ended.**
- 2) have students create their own problems.**
- 3) Build divergent thinking skills.**

Critical and Creative Thinking need to be embedded in every mathematics lesson why?

when we embedded critical and creative thinking we transform learning from disjointed memorization of facts to sense making mathematics . Learning becomes more meaningful and purposeful for students .



**REPORT SUBMITTED BY :
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