

Mind Maps For Effective Learning

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ABSTRACT

This research paper shows how Mind mapping can be used as a graphical demonstration of information and a resourceful tool that can support students with many aspects of their learning. It can help them map new ideas, reconnoiter concepts in more detail and expedite better understanding of relationships and enhance creative learning.

It shows how Mind mapping is one of the superlative ways to capture thoughts and bring them to life in visual form. Mind maps can help students become more imaginative, recollect better and crack problems more efficiently as compared to mere notes making. "Mind mapping has been around since the mid 1970s, having been developed in its current form by Tony Buzan".

Keywords : Mind Mapping, Graphical Demonstration, Resourceful Tool

I. INTRODUCTION

The author observed lack of interest in conventional teaching techniques. Students always look for new ways of learning. Today's generation is more inclined towards graphical presentation and multimedia.

The author's keys objective is to develop interest in students for the subjects and the author observed mind mapping is a powerful tool.

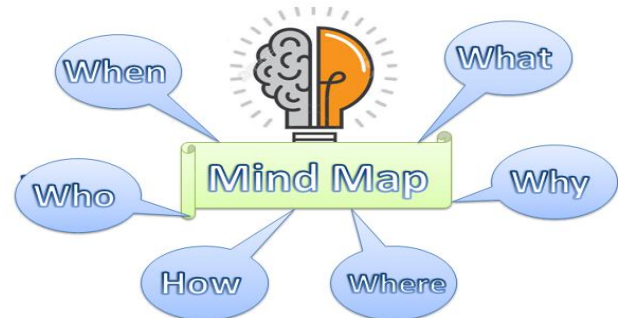
II. OBJECTIVE

To develop a habit of incorporating mind mapping as a regular learning process.

III. RESEARCH QUESTION

Why Mind mapping for learning?

Why do students choose mind mapping activities over others?



IV. METHODOLOGY

This research is built on the author observations of the students of 1st & 3rd semester students for consecutive three semesters (Aug 2018 till Dec 2019). Focused on student's lack of interest in the subject taught with chalk and talk methods.

V. LITERATURE REVIEW

Students learning and understanding can be developed with learning centric approach along with mind mapping and it improves student's imagination and efficiency because it's an exceptional tool to let student create new ideas, identify connections among the different facts and figures, and commendably increase student's memory and retention. (O'Donnell, Dansereau, & Hall, 2002), (Buzan & Buzan, 1993). When used as a part of instruction, these types of mapping techniques have shown to increase student's achievement scores (Horton et al., 1993) and knowledge retention (Nesbit & Adescope, 2006).

Mind mapping is the visual illustration of text content. It has been anticipated as a method to brainstorm and recapitulate information as well as a study method.

Mind maps permit students to generate a visual image to boost their learning (Budd, 2004) and can be used as a metacognitive tool that permits them to make acquaintances to Material in significant ways. Mind map helps in breaking complex information into simple facts & figures. It becomes easy to remember and recall information when required and also to achieve the goals."Ames. C. (1992)". Mind map encourages participation from students and create a healthy competitive environment between them."Budd, J.A (2004)". A mind map give a clear picture and provides guidance to the students in the group to complete a specific task in a project "Ching, C.C., & Kafai, Y.B (2008)".

Mind mapping helps in understanding most complex subject and also helps setting goals in a systematic way. Not only it motivates it also ensure continues learning is encouraged " Deci, E. L .,Ryan, R. M.(1991)

VI. FINDING

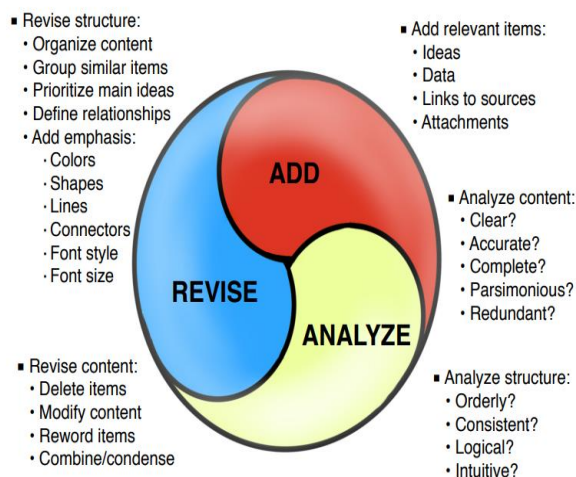
- It is found that the students mostly lack interest in subjects and in long term goals, they find it hard to remember and information when it's required like in the exams or while appearing for technical interview drive.
- Due to convention teaching and learning process in the class & outside students look for short-cuts to achieve short team goals like exam and project submission.
- Due to young and creative mind set they look for new ways of learning & sharing information.
- Most of the teaching and learning is done with one motive just to pass the subject. But they forget about understanding the concept completely.

VII. ANALYSIS

According to the findings acquired in this research is aimed to determine the opinions of the college students related to usage of mind maps for better learning.

Mind mapping clearly forms a structure and breaks down information so it could be understood.

As shown in the below figure it clearly supports break all the intricate details of any subject "Vygotsky, L. S. (1978)".



It's clear that why mind mapping is required for learning process because it creates a visual demonstration of the information, that helps in understanding and co relating the facts rather than mugging up the notes.

Mind map encourages experiential learning which helps students to get a lot of facts and figures on their own in an interesting and self-explanatory way. It's creates curiosity in learning and also help in remembering information.

Students are benefited as they get the right path or support in recollecting information with mind map. As they work in a team they get involved because they will be clear about every stage of the process in learning and presenting the same. Peer pedagogy: Student collaboration and reflection in a self-learning through mind map.

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Eencouraging the students to use mind mapping technique for every task he perform. It will help him to master the skills and .be more productive in the learning process.

Mind mapping activity will allows students to quickly engender innovative and even come up with distinctive facts in less time. It will provide the liberty. As it's needed when brainstorming is done in learning process.

Mind mapping will categorize and organize the thoughts you brainstormed and discover their associations. With just single page or space you can present & understand a huge amount of information. Making relations is simpler because all the information about a topic in a single page. It will help students find out new associations between seemingly unrelated information and facts.

Use of Creative ideas like Images, Colors, backgrounds, Animation & Keywords in mind map supports student's memory and retention. It's very difficult to remember information obtain from chalk and talk method. With help of mind map creative style it encourage and helps students spend more time in learning difficult and complex topics.

A Mind Map is a brilliant tool for working with others to expand plans to execute key projects. It allows you to connect to the contribution of all team members.

A Mind Map helps thinking with better clarity to discover associations among information and fundamentals of a disagreement and to create solutions for the problems. It also provides new viewpoint by allowing you to see all the appropriate issues and examine the choices. It also puts together new understanding and systematize facts sensibly with proper structure to find a solution for the problem.

Taking notes with Mind Maps becomes interesting and easy. As a lot of information is feed to all the students every day in form of notes in the class. It becomes a mammoth task to remember all the information, facts and figures and it's not possible to remember them all. So Mind Maps help structuring

the information with help of key words, and making clear and simple associations among essentials information and thoughts visually – keeping it all on one page.

VIII. CONCLUSION

As per the observation mind mapping should be a pre integrated part of learning. It will enable the students to be a better learner and also store information and recollect when it's required. Mind mapping should be a part of teaching methodology because the students understand better and faster than the conventional chalk and talk method.

The way we solve a puzzle by connecting all the links together and understanding the big picture. So the students should break the information and structure the same in form of mind map for better learning.

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