▼ INNOVATION

INFINITI - MIND MAPPING LEARNING MODEL

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ABSTRACT ▶ **IINFINITI** - Mind Mapping Learning Model is designed with the objective of enhancing the learning skills of all students and especially students needing additional curricular support and as innovative method of teaching learning process. Creating learning experiences that facilitate reflection, knowledge building, problem solving, inquiry, and critical thinking is vital. Mind Mapping is an active learning process and innovative technique to facilitate student learning. Students focus on vision, show their creativity and contextual knowledge, and connect with central them. It is used for taking notes, completing home based assignments, for exam preparation, analyzing, and reflecting nursing practice. Mind maps can be executed in nursing curricula as an alternative learning experience.

Key Words: INFINITI - Mind Mapping Learning Model, additional curricular support, innovative

INTRODUCTION

INFINITI - Mind mapping and Learning Model is an intellectual way to guide students to methodize learning message on any theme. It makes subjects easier to understand. Making use of different colour and pictures help students focus their attention and concentration and assists in creating newer concepts and directs them to go forward to other topics.[1] Mind maps equip students to shape, form and finish learning. The Mind Mapping follows the work of Tony Buzan who promoted mind mapping as learning and thinking tool.[2]

A Mind Map is a compelling graphic execution that acts as a universal key to liberate the inherent abilities of the brain. It initiates the abilities of written, drawing, numerical, logic, rhythmic, selecting colours as a specific skill. It creates the way to precede the brains abilities independently. It is applicable for each aspect in life where advancement in learning and luminous thinking will better the human performance.[3]

Ed Emberley[4] says that if you can depict some fundamental construct like a circle, triangle and square then able to depict all the essential pictures that you need.

Austin Kleon[4] is a poet with a difference; he takes newspaper articles and blacks out the words he doesn't want with a thick black marker to create his poems.

Cunningham[(2005)5] in his study, in which 80% of the students viewed that mind mapping helped them to understand about the ideas and concepts in science.

Farrand et.al. [(2002)6] illustrated that spider diagrams when compared to concept maps resembles same, but significant and had effects on recall memory in undergraduate students.

MIND MAPPING

It is a pictorial illustration of cogitative process of the students that makes competent way of innovatory drawing of the script. It is a malleable means for planning, implementing and communicating the concept.[7] The concept is moved from the core theme to the other direction in achieving the goal.[8]

BENEFITS

By understanding the way the brain really works and applying the Laws of Mind Mapping to organize and develop thinking,[9] Mind Maps help to:

- Plan assignments, projects and other activities in a fraction of the time normally needed

- Work creatively either individually or in a team to generate innovative new ideas on demand

- Communicate issues, ideas and concepts easily and quickly

- Study more effectively and significantly improve learning results

- Capture and comprehend vast amounts of information relevant to their focus

STATEMENT

INFINITI - Mind Mapping Learning Model helps the students to learn the subjects in easy way. Students gain better understanding and retention of studied content for obtaining good academic outcome.[10]

DESCRIPTION

INFINITI - Mind Mapping Learning Model developed by our institute, nowhere found across the globe.

- With the objective of enhancing the learning skills of all students and especially students needing additional curricular support and as innovative method of teaching learning process, our institute had designed this mind mapping learning model from July 2016 onwards, and being provided to our nursing students.

- This model is a powerful graphic technique that guides the students to understand and retain information on deepest level of any topics in Nursing with lesser study time.

- If the students don't understand the subjects, they keep reading the same sentence over and over again and waste time during examination, This **INFINITI** - Mind Mapping Learning Model acts an effective tool to study and gives confidence to meet the challenges in examination

- This Model is the guideline for the Nursing students/Learners to teach how to learn complex contents or study materials in a simplest way; to understand easily and to sustain in the memory which could be reflected in their examination results.

- Nursing students are taught with this model to apply in their day-to-day

- Self- Learning Practice.

- Mind mapping model also helps teacher to teach certain complicated topics for students better understanding.[11]

INFINITI - MIND MAPPING LEARNING MODEL

As the name implies, learning is an infinite process which takes place all through the ages. Learning component in Teaching, Learning & Evaluation (TLE) process of education is very hectic process for the students. Hence, KGNC developed and designed this **INFINITI - Mind Mapping Learning Model** for Nursing Students to enhance learning skill. It also helps to ease learning in every student and to enjoy learning process.[12]

INFINITI Model involves series of activity as follows.

IDENTIFICATION

This Phase starts with identification process after skimming and reading the course. Identification process involves identifying the central idea and related ideas which radiates out from the core idea. Learners need to concentrate on the structure, hierarchy, order and outlines of the content.

NOTE MAKING

This phase is done based on the concepts with choices of key words that connected using linking words forming

propositions. This gives the maximum space for the other ideas to radiate out from the centre. Propositions making is a skill out of critical and creative thinking without deviating from the text concepts.

FINDING CREATIVITY

This phase involves real challenging tasks. Choice of style, use of icons, colour, dimensions, codes on the concepts, keywords, propositions. By drawing the map with own design using symbols helps to built visual and meaningful connections between ideas which will help in understanding and recall.

INTERRELATIONSHIP LINKAGES

It is promoted by the use of main branches, sub-branches, cross links, show interrelationship between different map segment. The lines and arrows show connection between ideas generated on mind map. This relationship may be important in understanding newer information.

THOROUGHNESS OF INFORMATION

It emphasis checking the totality of learned information used and ensures the presence of entire content adequately, if it is inadequate, it directs to modify the learned information and it creates association between the ideas.

UNIQUENESS

INFINITI - Mind Mapping Learning Model developed by our institute nowhere found across the globe.

INFINITI - Mind Mapping Learning Model is learning guideline or tool developed exclusively for Nursing students to explore a variety of concept in nursing.

INFINITI - Mind Mapping Learning Model is unique in its design with the idea of simplicity, user-friendly strategic guide, stimulating critical thinking process and creativity in designing their own maps.[13]

ADVANTAGES

Students of all ages can utilize this **INFINITI** Model to study more effectively, with their creative potential and get ahead in their educational career.

It develops critical thinking and allows the students to reflect the reasoning process to ensure the delivery of safe Nursing practice and quality care.[14]

CONCLUSION

INFINITI - Mind Mapping Learning Model is an alternative approach, in which brain tackles its powers of visualization and association, and improves both memory and creative thinking. It helps to make the **relationships, hierarchies** and **connections** between the learned information. It provides a **broad overview of a topic** in one single page with **more meaningful notes.** Taking notes in a mind map acts as a shortcut **than actual work.** It is proved that mind-mapping can improve learning and study efficacy up to 15% then conventional way of note-taking.[15]

REFERENCES

1. Annemarie Rosciano. The effectiveness of mind mapping as an active learning strategy among associate degree nursing students. The journal of Teaching and learning. April 2015, Volume 10, Issue 2, Pages 93-99
2. Buzan, T. (1991). The Mind Map Book. New York: Penguin. Chapter "Mind Mapping Guidelines"
3. Tony Buzan. Modern Moindmap for smarter thinking, BBC Worldwide, 2000
4. Jane. Visual note-taking for people who think they can't draw-in Creativity, Mind mapping, Study Techniques. 2012, 22
5. Glennis Edge Cunningham (2005). Mindmapping: Its Effects on Student Achievement in High School Biology (Ph.D.). The University of Texas at Austin.
6. Farrand, P.; Hussain, F.; Hennessy, E. (2002). "The efficacy of the mind map study technique". Medical Education. 36 (5): 426-431.
7. Brian Holland, Lynda Holland, Jenny Davies (2004). An investigation into the concept and the use of mind mapping to improve student academic performance.
8. Buzan claims mind mapping his invention in interview. Knowledge Board retrieved Jan. 2010.
9. Willis, CL. 'Mind maps as active learning tools', Journal of computing sciences in colleges. ISSN 1937-4771. 2006. Volume: 21 Issue: 4
10. Beel, Jöran; Gipp, Bela; Stiller, Jan-Olaf (2009). "Information Retrieval On Mind Maps - What Could It Be Good For?".
11. Nesbit, J.C., Adesope, O.O. (2006). "Learning with concept and knowledge maps: A meta-analysis". Review of Educational Research. Sage Publications. 76 (3): 413
12. Buzan, T., Buzan, B. Radiant thinking. in: The mind map book:. Penguin, New York, New York; 1996:53-58
13. Boley, D.A. Use of mind maps to enhance simulation learning. Nurse Educator. 2008;33:220-223
14. Billings, D.,Halstead, J. Selecting learning experiences to achieve curriculum outcomes. in: T. Wilhelm (Ed.) Teaching in nursing a guide for faculty. 2nd ed. Elsevier, Philadelphia, Pa; 2005:187–212.
15. Farrand, et.al. (May 2002). "The efficacy of the 'mind map' study technique". Medical Education. 36 (5): 426-431