

Meeting: 1003, Atlanta, Georgia, MAA CP X1, MAA General Contributed Paper Session, I

1003-X1-1350 **Bathi Kasturiarachi*** (bathi@stark.kent.edu), Department of Mathematics, 6000 Frank Avenue, NW, Canton, OH 44720. *Experiential Learning and Mind Maps.*

We have all types of learners in our classroom, who are most likely not ideal learners, we must use pedagogical practices that are suitable for all learners. We introduce the technique of mind mapping that appeals to different styles of learners by letting them explore mathematical concepts through mind maps. Mind maps can help build visual images of mathematical concepts that will in turn lead to a better understanding of the abstract concept. The main idea behind this proposal is to approach students' understanding of mathematical concepts from a different angle. Our primary goal is to understand how we can enhance students' understanding of mathematical concepts in pre-calculus and calculus courses. In the presentation, I will provide a brief introduction to experiential learning, explain mind maps, and provide examples of mind maps. (Received October 04, 2004)