



Nicole Tillmann



Eric Bingham

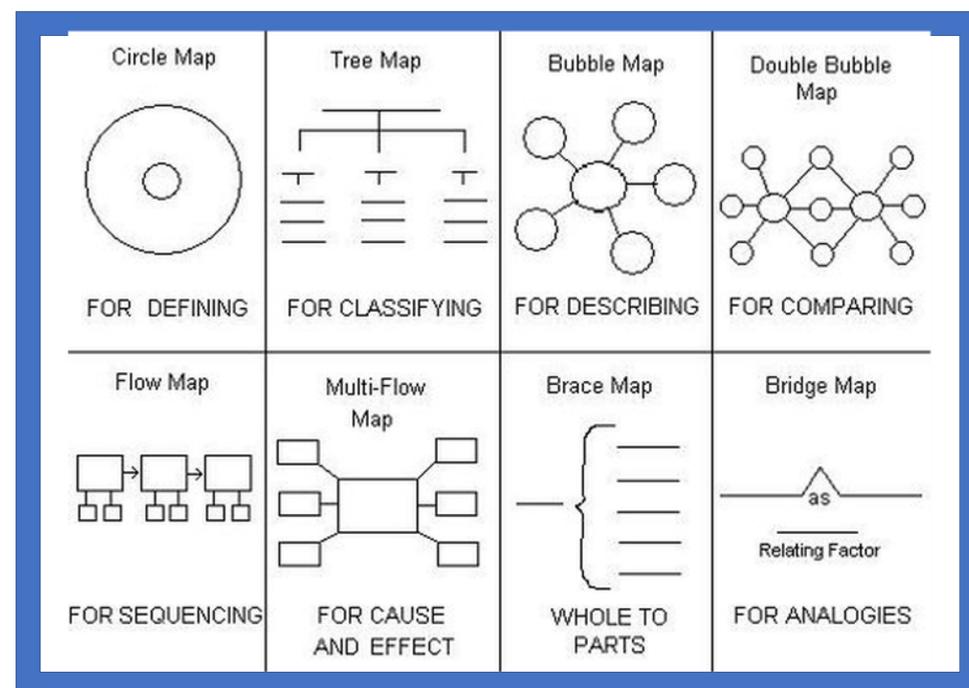


## ABSTRACT

Mount Logan Middle School, located in Logan Utah, strives to live up to its district motto: "Ensure all students leave our schools ready to create a positive future for themselves and their community." I spent my internship living up to this motto by first observing science teaching by Mr. Bingham. I then helped out with student activities and learning by assisting students questions and concerns. I graded individual projects and essays. I also had the opportunity to independently teach students over a few class periods. I faced realistic challenges including guiding students to understand difficult concepts, supporting behavioral issues in the classroom, and pushing students with special challenges and individual education plans to work at a higher level. It was a great opportunity to help me learn if teaching is a career I wish to pursue by giving the actual experience of what happens in a classroom.

## TECHNIQUES

- **Thinking maps** that allow students to organize their thinking
  - Circle map for brainstorming
  - Tree map for sorting
  - Bubble map for describing
  - Double bubble map for comparing
  - Flow map for sequencing
  - Multi-flow map for cause and effect
  - Brace map to learn parts
  - Bridge map for analogies
- **The Three Dimensions of Science** as described in *A Framework for K-12 Science Education*
  - **Science and Engineering Practices (SEPs):** This refers to sharing practices that scientists and engineers actually do
  - **Crosscutting Concepts (CCCs):** The lens through which you are looking at the objective
  - **Disciplinary Core Ideas (DCI's):** This consists of the CORE lessons each grade is needed to be taught.



## INTERNSHIP ACTIVITIES

- Copy-cat teaching
  - Observing one period and teaching the next
- Grading students' projects and essays
- Lesson planning
- Independent teaching
- Tutoring individual students
- Answering questions and concerns
- Observing teaching techniques
- Classroom preparation

## ACKNOWLEDGEMENTS

I would first and foremost like to thank Mr. Bingham at Mount Logan Middle School. He taught me what it is to be a great teacher not only in an education sense, but also in actually helping touch the lives of students. I would also like to thank the administration at Mount Logan Middle School for being supportive and accommodating to my presence in the school, especially Principal Paul Wagner. Also, a thank you to the students at Mount Logan for being willing to let me participate in your classes.