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Philosophy of Teaching of Mathematics

Teaching math is very crucial to education. It gives students the ability to approach life in different ways through other modes of thinking. However, this can be difficult because there are many students who do not like math or are intimidated by it. Because of this, teachers need to approach the concepts in a calm, relaxed way that does not frighten the students. This can be done through involving games in the lesson to enforce the concepts. Through doing this students can correlate fun feelings with math. Also teachers should present complex concepts in a variety of ways that accommodates to all of the students learning needs. Examples of this can be using manipulatives, drawing pictures, or singing songs to remember mathematical rules. Repeating concepts in different ways can help students learn how to adapt to different learning styles and make them more diverse learners.

When students do not understand a concept, it is important that the teacher allow them the one on one time that they need. Some of the students may need the teacher to work with them individually to further explain the concept. It is important that the teacher is aware of this so that no student moves on to more advance concepts without understanding the simpler ones. Likewise, it is important that the teacher recognizes which students are exceeding the average students. Students that can do more than their peers should be challenged so that they do not become bored with math. This can be done through enrichment worksheets that are given to them when they complete the tasks ahead of time. Encouraging them to keep doing outstanding work and giving them the tools to do that will keep them engaged throughout the year.