

## DIFFERENTIATED INSTRUCTION IN MATHEMATICS

by:

**Jonhry B. Esguerra**

*Teacher I, Kanawan Integrated School*

No matter what grade a teacher is teaching, math is a challenging subject. Every sort of student that is enrolled in a classroom setting requires a particular set of lesson plans and activities. Differentiated learning is crucial for teachers to adopt in order to ensure that all students understand the material necessary for a test or for their common core learning because not all students learn the same or process information in the same way. The process of adapting a lesson to a specific student's needs is known as differentiated learning. Despite the difficulty of learning math, teachers can employ tailored instruction to guide learning in acquiring the necessary skills.

Teachers often believe that their students will enjoy and be able to understand the material they are teaching when they arrange their course, but this isn't always the case. Despite your best efforts, a class may not go exactly as you had hoped for your students to grasp it. Since every student learn and think differently, we as teachers must learn to differentiate our lectures given that many students are less interested and not motivated to study mathematics. To ensure that students comprehend, we may need to alter how we teach, the activities we use in our lessons, or even the languages we use. The fact that students have some control over their learning activities inspires them to study and increases their sense of ownership over their education. Some students could prefer working alone or in groups, while others might enjoy doing hands-on activities. All students' needs are fulfilled by differentiating the instruction.

There are four primary classroom components that a teacher might differentiate based on their learning profile. It is how they ascertain how a student learns and processes

the material that is being taught. They can discriminate between content, method, products, and learning environment, among other things.

Differentiated instruction specially in mathematics subjects is based on students' readiness, interests, and learning profiles, teachers can differentiate material, method, and product. Teachers must consider the differences between their students' cultures, socioeconomic statuses, languages, genders, motivations, abilities, and disabilities while creating their curricula. Teachers deliver diverse learning experiences in terms of flexible grouping, continuing assessment, and developing a responsive learning environment by using the knowledge gained from Readiness, Interest, and Learning Profiles. With the ultimate purpose of enhancing student learning, this gives feedback to both the teacher and the student.

#### *References:*

Jessica Teagle Johnson (2020). Differentiated Instruction Essay.

<https://www.coursehero.com/file/34119805/Differentiated-Instruction-Essaydocx/>

Frei, S. (2008). Teaching mathematics today. Shell Education.

[https://www.brevardschools.org/site/handlers/filedownload.ashx?moduleinstanceid=6174&dataid=8255&FileName=Differentiated\\_Instruction\\_in\\_Secondary\\_Mathematics.pdf](https://www.brevardschools.org/site/handlers/filedownload.ashx?moduleinstanceid=6174&dataid=8255&FileName=Differentiated_Instruction_in_Secondary_Mathematics.pdf)