The Teaching and Learning Mathematics in Honduras

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The main problem of the real curricula of mathematics in the educational levels of our educational system is the importance of the mathematics like communication process, development thinking and the connection with other areas of thinking.

I describe some causes:

➢ The teacher presents to students the mathematics ideas without their context
➢ Many teachers present to the students formal mathematics concepts
➢ The teachers don't present a sequence learning moments
➢ They use a few concrete material and technology

For development of the teaching and learning mathematics in Honduras we are working in a new curricula focused on;

- Cooperation between teachers, students and families
- Etnomathematics
- Problem solving
- Communication
- Developing mathematical thinking
- Connection
- Use of materials and technology

Suggestions to develop the math communication in classroom:

- In the classroom, the study of mathematics has to propitiate many opportunities for the math communication.

  For example, all activities with the student's context

- The communication plays an important role in the construction of the connection between the informal, intuitive notions, the abstract language and the math symbolism.

  For example, to use all kinds of concrete materials

- The students learn language through verbal communication. It is important because it gives them some opportunities to "speak about mathematics".

- The interaction with classmates helps them to construct knowledge, learn others ways of thinking about their ideas to clarify their own thinking.

  For example, work in pairs

- When they describe how to solve a problem, it helps the students to clarify their thinking and develop their own understanding.

- Reading about mathematics has to be included in the curricula.

- The curricula have to include math activities where the students explore, research, describe, explain and write math ideas.