An acronym for the IBSE method

Innovative Best practice Successful Endearing

I always say to myself that "everybody can and must learn!"

I am always looking for new teaching / learning approaches that catalyze my learners attention, being aware that the contents are an indispensable part of the teaching process ... but using an expression that is typical of the mathematical language: "they are necessary but not essential" . This year I have been very lucky having the opportunity to attend in Naples, led by ANISN, the course of the project AMGEN TEACH on IBSE method for science teaching, a stimulating and highly vocational opportunity.

The IBSE approach is very close to the constructivist paradigm in which knowledge is increasingly being defined in relation to its application in specific contexts of use (know-how), so as to offer a new concept of learning meant as a located cognitive activity.

A training teaching is no longer sufficient since it allows us to achieve at least knowledge and skills but not expertise. Instead, IBSE approach allows the achievement of those competences required to our students, because stimulates their curiosity and their intuition, it deals with easily understandable experiences, the operative field. I started using the IBSE method in a class of secondary school, I was afraid since I was not familiar with the methodology, but I was surprised by the enthusiasm and the goals achieved in a short time by the classroom. Pupils have built personally, actively and gradually their knowledge, starting from their spontaneous ideas or even from their misconceptions, that thanks to the various steps of the path (Engage, explore, explain, elaborate, evaluate) have been transformed, under my careful and structured guide, in established scientific knowledge. The modules have been characterized by a continuous learner-teacher interaction and favored a brainstorming and cooperative learning.

I will keep on using the IBSE approach working hard to disseminate the lessons learned. During these months I have done my best to introduce the IBSE in the classrooms, in a way that pupils and colleagues could perceive it as a new language, which can improve and optimize the learning.

There are so many expectations and requirement towards a good science teacher: he should be a good speaker, educator, expert of discipline, psychologist, sociologist, anthropologist .....and if he is able to convey the passion for the subject he did really a good job.

As? The "amazing IBSE" is the winning approach!

AMGEN Teach project gave me the possibility to be introduced to IBSE through an excellent training course!

Exploration, discovery, ability to stimulate pupils and motivation are the key words of the Inquiry Based Science Education.

What are you waiting for to introduce IBSE in your classes?

Your pupils will be absolutely enthusiastic.

Let’s go investigate !!!

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