Discussion Post 3.1

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The theories of a number of scientists have focused on the development of the cognitive skills. The first one among them is the Jean Piaget’s, second on the list is Vygotsky, and the last one is Bandura. Here, we are going to demonstrate the applicability of the Piaget’s theory to teach a second grade student mathematic’s basic applications like addition and substraction and compare it with the other two theories. According to Piaget’s theory, mental development goes through preoperational stage (age 2-7), concerete operational stage (7-11), formal operational stage (12 and more). I, as a second grade teacher will demonstrate the following experiences for the students with the correspondant age members.

**For Preoperational Stage:** Children at theage of 2 to the first grade are beginning to understand the symbols and which object they represent specifically. Here, we are going to use the concept which can be easily translated into teaching strategy. This includes the connection between an object and a symbol that it will be representing. For example, seven apples or five pieces of chalk. (Pope, 2008)

The Piaget’s theory us better in the terms of cognitive development, as Vygotsky theory states the role of the social interaction and development in the cognition. His ideas highlighted that community plays an outstanding role in the community development. Bandura’s throy states the role of development through Attention, Retention, Reprodcution and Motivation.

There are certain materials which can be incorporated into the classroom for a better cognitive development. However, there won’t be any need as there can be some materials already present can be used for the purpose like chalk, marker. Other materials might include certain types of legos and toys for the students.

For the Vygotsky theory, designing the classroom which utilizes the approach of group sitting, talks, and activities will stimulate the cognitive development. (Kouzlin, 2004)

For the Bandura’s thepry, real plays incorporation in to the class room will help in the social learning behavior of the students. Other techniques include reinforcement through simulation and gamification.

**References**

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