

AN ANALYSIS ON PROBLEM SOLVING ABILITY OF HIGHER SECONDARY SCHOOL STUDENTS AND PROBLEM SOLVING THROUGH TEACHING

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ABSTRACT

Problem solving is a mental process and is part of the larger problem process that includes problem finding and problem shaping.. Thought about the most unpredictable of every single scholarly capacity, critical thinking has been characterized as higher-request psychological cycle that requires the tweak and control of more daily practice or crucial abilities. Critical thinking happens when an organic entity or a man-made reasoning framework needs to move from an offered state to an ideal objective state1.

Keywords: Problem Solving, Higher Secondary School, School Students.

BACKGROUND INFORMATION

While concentrating on the various techniques for critical thinking, Nipharake, et al. (1977) uncovered discoveries that expressed the value of directed revelation strategies and instructive materials across various kinds of evaluation apparatuses and tests. High wise understudies, regardless of procedures of preparing scored higher on Problem tackling capacity than low smart understudies. Uneasiness didn't impact the Problem tackling capacity of understudies. Dutt additionally stated that in the interrelationship between Problem addressing capacity and procedures, uneasiness as a factor assumes no huge part. In tackling an issue, presumed that proportions of learning like preliminary, time and mistake is firmly associated, for example they are emphatically related with each other in his investigation on secondary school understudies distinguished that the fundamental issue in school maths is the way to show Problem tackling systems in understudies so they might become effective issue solvers while concentrating on the critical thinking procedures of youngsters, uncovered and perceived that there were consecutive strides in Problem settling and various structures or levels of reactions to be related with the strategies utilized by kids. She likewise accentuated that the Problem settling techniques of kids and the accomplishment on various sorts of issues was fundamentally and emphatically identified with each intellectual capacity, independently just as around the world.

Problem Solving Steps

At the point when we experience an issue, examine and choose first. Then again, people utilize their very own techniques to tackle their issues with the information they have obtained at school along with their character and the manner in which they were raised (Rai, S,1982).Nonetheless, it ought to be noticed that critical thinking ability is an acquired expertise. Consequently, the primary thing to know is that critical thinking interaction can be learnt. Mentalities that are essential in the critical thinking measure change by the kind of issue and from one individual to another. Be that as it may, there are sure essential strides in

arrangement measure. The models coordinated to not really set in stone inside the cycle of critical thinking are the marginally changed variant of the John Dewey's model which has been being used since 1910 (Özalkan BE, 2010). In the technique for critical thinking, there are such stages as understanding and deciding, hypothetically plan of arrangement and proceeding to attempt until the arrangement is reached from an inspirational outlook (Reddy S, 1992). This interaction requires the expertise of imaginative and logical reasoning. sorts the critical thinking stages as follows; understanding the issue, assortment of required data, making quick work of issue, uncovering the arrangement ideas, choosing the best arrangement and arrangement of issue.

Mathematical problem

Numerical issue is a circumstance which requires challenge and dynamic Armağan, (2009). A large portion of the exploration contemplates express that critical thinking abilities are further developed when understudies build another ("issue presenting") (English, 1997). Not withstanding, issue presenting is one of the huge pieces of science schooling; the current investigation does exclude it. Issue presenting strategy couldn't be coordinated an examination which is on critical thinking. The arithmetic educators know the significance of math and critical thinking; thusly their choices are corresponding with the educational plan on critical thinking. In spite of the fact that there is a significant series of general tests (SBS, ÖSS, and so on) in Turkey, instructors would prefer not to show science through different decision things; which the overall tests comprise of numerous decision things. Instructors anticipate that their students should take care of issues bit by bit, and they need to offer need to the critical thinking measure as opposed to discovering only the arrangement (Aslan, 2007). As per the teachers' thoughts on arithmetic instruction, one of the fundamental motivations behind the exploration concentrates on the secondary school educational program ought to be to discover (Aslan, 2007) to how to coordinate Problem Solving Method on secondary school educational program in an association with grade school science educational program.

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