



ENHANCING PERCEPTUAL SKILLS AMONG HIGH SCHOOL STUDENTS IN LEARNING SCIENCE

Education

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ABSTRACT

The Present School education system takes effort to render focus on science education by inculcation of perception skill among high school students. The efforts have been taken to make students away from rote memory so that the students can have scientific attitude by their perception skills with a view to enhance to learn science in high schools. At this juncture, learners of high schools are expected to do their own research to define the nature of science. The discussion which should be strongly encouraged learners and have expected to have science knowledge through perceptual skills. The science subject is so vast, students learning will enable them to decide whether they want to pursue a higher education in the subject. Perception is our sensory experience of the world around us and involves both recognizing environmental stimuli and actions in response to these stimuli. Through the perceptual process, we gain information about properties and elements of the environment that are critical to our

KEYWORDS

perceptual skills, learning science, perceptual process and achievements

INTRODUCTION

The Present School education system takes effort to render focus on science education by inculcation of perception skill among high school students. The efforts have been taken to make students away from rote memory so that the students can have scientific attitude by their perception skills with a view to enhance to learn science in high schools (Saravanakumar.AR, 2013.). At this juncture, learners of high schools are expected to do their own research to define the nature of science. They should be cause much discussion which should be strongly encouraged learners and have expected to have science knowledge through perceptual skills. The Science subject is so vast, learning from students early learning days will enable them to decide whether they want to pursue a higher education in the subject.

IMPORTANCE OF SCIENCE IN HIGH SCHOOL EDUCATION

The present study tried to educate why science education is important in schools. Science plays a vital role in day to day life of all people. In the field of science, the process of inquiry is more direct. In schools, students are forced to comprehend the importance of science which decides their future life. Science is the most important for the students to have critical thinking skills in every subject (Padmini Devi K.R & Saravanakumar AR, 2017.). At the secondary education level, neither states, nor private management are able to find suitable trained science and mathematics teacher to employ. Science educators is the field concerned with sharing science content and process with individual not traditionally considered a part of the scientific community. The modern scientific method often uses demonstration us that carefully describe certain processes and part of nature is great detail. In science, often one demonstration how an experiment is done and shows this to others.

PERCEPTUALSKILLS

Perception is our sensory experience of the world around us and involves both recognizing environmental stimuli and actions in response to these stimuli. Through the perceptual process, we gain information about properties and elements of the environment that are critical to our survival. Perception not only creates our experience of the world around us; it allows us to act within our environment.

Perception includes the five senses; touch, sight, sound, smell, and taste. It also includes what is known as perception, a set of senses involving the ability to detect changes in body positions and movements. It also involves the cognitive processes required to process information, such as recognizing the face of a friend or detecting a familiar scent.

Perception is defines as an immediate interpretation of incoming sensory information (Saravanakumar AR ,2013.). From birth, a perhaps even before birth the individual builds up a memory bank of

the perceptual experience which later become internationalized. In the light of experience, children construct conceptual activity based on perception. Perception is a process through which people receive, organize and interpret information from their environment.

PERCEPTION AND THE PERCEPTUAL PROCESS

The perceptual process is a sequence of steps that begins with the environment and leads to our perception of a stimulus and an action in response to the stimulus. This process is continual, but you do not spend a great deal of time thinking about the actual process that occurs when you perceive the many stimuli that surround you at any given moment.

The process of transforming the light that falls on your retinas into an actual visual image happens unconsciously and automatically. The subtle changes in pressure against your skin that allow you to feel object occur without a single thought.

IMPORTANCE OF PERCEPTUAL SKILL IN SCIENCE LEARNING

The present study aims to develop perceptual skills to make an achievement on science at high school level. Auditory, Aural, listening, kinesthetic and hap tic skills have been for the account of enriching knowledge on science. If there is no effectiveness of perceptual skills, there will be no improvement in terms of achievement on science. The investigator suggests the following tips for the development of perceptual skill among the students who learn science in high schools.

Making sounds, listen to sounds, reading books, ringing songs, clap or drum out syllables, singing poems, shopping, asking questions sound out words, sending letters are the different activities recommended for the development of reading perspective skills.

The term auditory process refers to how to know perceived and interpreted sound information. Auditory skill plays a vital role in science experiment skill enables the students to hear the exemplary lecture as speech on science every here.

Aural skill is a word referring to ear or hear to speaking. It refers to ear or the sense of hearing information the application of this skill is analogous to taking dictation in written spoken the aural skill enables the students the listen various information in science through TV Video and other ICT.

Kinesthetic skill refers to physical activities kinesthetic skill may helps the science students to manipulate of touch things used in science laboratory Touching smelling and handling are the many activities in laboratory and thus kinesthetic skill plays a vital role in learning achievement of science at high school level.

Visual perceptual skill is a word denotes seeing something or somebody visual perception refers to the brains ability to make senses of what the eyes see. It is a fact that a person can have 20/20 vision and still have problems with visual perceptual processing. It is important to all science students for many every day skills as reading, writing, competing science puzzles cutting, drawing and finding solution for problem etc.

Therefore this study considers visual perceived skills as important in enhancing students' achievement on science. This paper focused for took steam efforts to utilize the effectiveness of perceived skills to make a great achievement in science learning among students.

It is generally identified that the teachers at high school level may lack in spirit of developing perception skills and scientific attitude. It is also known that there has been inadequate science apparatus which suit to content designed at high school level. Learners are seldom taken to the laboratory and thus they feel difficult to know the names and use of the available science instruments. It is further identified that the learners of high school are taken to science have ever felt for a week before the practical exam they are permitted to meet out the requirement of practical exam not or perception skill influencing the enriching learning achievement in science at high school level. Most of the science teachers preferred to use chalk and talk method to teach science content. This study took effort to develop perceptual skills to make a great effect on enhancing learning achievement in science at high school.

CONCLUSION

The perceptual skills play a vital role for the development scientific knowledge even at high schools level. Science learning may constant as unchangeable even in the absence of perceptual skills. The scientific research attitude can be developed only by the inculcation of perceptual skills. If there is no important for perceptual skills the students may not have positive and critical thinking. The efforts have been taken to make students away from rote memory so that the students can have scientific attitude by their perception skills with a view to enhance to learn science in high schools. The science subject is so vast, students learning will enable them to decide whether they want to pursue a higher education in the subject. Perception is our sensory experience of the world around us and involves both recognizing environmental stimuli and actions in response to these stimuli. Through the perceptual process, we gain information about properties and elements of the environment that are critical to our survival. As science education is more important for the students at high school level, teachers may provide opportunities for developing perceptual skills so as to make the students aware of environment and also make them adapt to the environment prevailing in their day to day life.

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