

To Study the Importance of Scientific Attitude in Teachers-Students to Enhance Academic Performance

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Abstract:

Attitudes change in different situations. A person with a scientific attitude feels that compared to other people, he easily adapts to a distributed society. He will be helpful in maintaining the peace of other people and likewise the nation will be able to develop smoothly. We have many problems such as pollution, population explosion, lack of energy, unemployment; poverty etc. Education is a weapon that can never solve such problems. A scientific attitude can be cultivated through education. A scientific attitude is essential for the progress of a nation. A scientific attitude helps an individual to form a vision of a better life, to give meaning to life and teaches to do every work systematically. A scientific attitude is like a foundation for all areas of life, so you must participate in it. Evaluation is a process that can change teaching techniques. The evaluation introduces the real condition of the students/teachers and also the importance of the learning process and improves learning success. If we want to think about the formation of scientific attitudes in students/teachers, we should also know the level of those scientific attitudes. So the researcher chose this topic for research.

Keywords: Attitude, Science, Scientific Attitude, Secondary level

Introduction

Attitudes are mental dispositions toward people, objects, subjects, events, and more. In science, attitudes are important for three main reasons (Martin, 1984, pp. 13–14). First, the child's attitude includes mental readiness. With a positive attitude, the child sees scientific objects, subjects, activities and people positively. A child who is unprepared or hesitant for whatever reason is less prepared to interact with people and things related to science. This readiness factor appears unconsciously in the child, without prior decision or open consent. Second, attitudes are neither innate nor innate. Modern psychologists argue that attitudes are learned and organized through experience as children develop. In addition, experiences can change a child's attitude. Teachers and parents have the greatest influence on scientific attitudes (George and Kaplan, 1998). Third, attitudes are dynamic experiences that act as guiding factors when the child acquires new experiences. As a result, attitudes carry an emotional and intellectual tone, both of which lead to decision-making and the formation of judgments. These decisions and judgments can cause the child to set priorities and have different preferences.

Scientific Attitude Among Students

Today, science has become an integral part of human life. You cannot imagine a world without science. Science transformed the world from a modern civilization to a scientific civilization with its great achievements. One of the goals of education is to develop scientific attitudes in students. The curriculum and education system should be organized in such a way that the opinions of Indian citizens are scientific. On the other hand, the state or national agency did not do its best to develop the scientific attitudes of high school students. This has led to a decrease in the number of students in research universities. This is unfortunate and worries us. Students study natural sciences up to level - 10. The Secondary Education Board also tries to develop interest, attitudes and aptitude for the subject of natural sciences. Science fairs, science exhibitions, science clubs, science projects, seminars etc. are organized at the taluka, district and state level. Developing a scientific attitude therefore became inevitable. The purpose of values education is to introduce students to democratic values, social, political and economic equality and respect for all religions. An education system that helps students live the life of an ideal citizen in peace and mutual understanding is a valuable education.

Importance of Scientific Attitude Students

Today's student is tomorrow's citizen. The society of the future depends on the versatile development of students. Umashankar Joshi rightly said, "A man should become a man." The significance of this study is explained below.

- The purpose of the study was to create a standardized scientific attitude scale. So this kind of science attitude scale is available to measure the science attitudes of students studying in 8th, 9th and 10th standard.
- The scale of scientific attitudes is useful not only to know scientific attitudes of students, but also to draw attention to shortcomings in the development of scientific attitudes of students. It directs the organization of training programs to develop such attitudes.
- Attitudes are formed according to the physical and mental development of students. Positive or negative attitudes are formed from good and bad experiences in the family, school, society, etc.
- This study provides guidelines for developing positive science attitudes in students so that they become interested in science stream after passing 10th standard. The number of students in colleges is increasing.
- If the level of scientific attitudes among high school students is known from this study, more programs will be designed to develop scientific attitudes.
- So many programs are designed to develop scientific attitudes. The Science Attitude Scale is useful for testing the effectiveness of all these science education programs and approaches and methods.
- It is known to what extent variables such as level, region and gender of students influence the formation of the attitudes of researchers.

Objectives of the Study

1. To study the scientific attitude towards students and teachers.
2. To study the importance of scientific attitude towards teachers and students.
3. To study the academic Performance.

Methodology

The study demonstrates the relationship between attitude towards Students & Teachers academic achievement of Secondary school students & Teachers. The present study is descriptive in nature.

Review of Literature

A study by Adu and Olatundun (2007) found that teacher characteristics influence student performance in secondary school. Grieser found that successful classroom management increases student inquiry and questioning when the learning environment is conducive and appropriate for learning. Professional teacher classroom management is the methods and strategies that teachers use to create a healthy teaching and learning environment. Adesoji and Olatunbosun (2008) stated in their study that student attitude is related to teachers.

In the work of Wirth and Perkins (2013), it was found that the attitude of a teacher had a significant effect on the attention of students in classrooms. Mucella, Melis, and Ahu (2011) investigated the effects of teacher attitudes on student personality and performance in Istanbul, Turkey. The result of their research showed that the positive attitudes of teachers positively affected the personality of students and their performance in life.

Kurgat and Gordon (2014) conducted a study on the effect of teachers and attitudes on student performance in the Kcse Economics Examination. The results of their study revealed that teachers have a positive attitude towards the subject, so factors other than teachers' attitudes may be the cause of poor performance. So it meant that the attitude of the teacher directly affected the attitude of the students.

Some tips to Help Create a Positive Scientific Attitude among Students and Teachers

Remember that you're Powerful : Most of the time we have no idea what we should do or who we should imitate. I say "imitate" because that's what we do: we adapt to the external environment. We play roles and mask our true selves by identifying with the "things" that ultimately define who we are. I am a doctor, a salesman, a secretary, a lawyer; I am sad, happy, lonely or unhappy. I'm angry, jealous, scared and I can't help it - it's me. But the truth is, we are none of them. These are symptoms of sleepwalking. You are more important than any label. We are not our profession. We are not our emotions. We are not our circumstances. We don't even mind. What we are is far greater, far greater, far more important, and far more mysterious than our conceptual minds attempt to define. That is why we are much more powerful than we think.

Embrace Life: Let go and embrace the moment, whether it's an obstacle or an opportunity. Stop fussing over trivial things and start focusing on what is really important to you. Don't go through life expecting things to change. Life becomes difficult and unfair when we choose to complain about things instead of trying to change them ourselves. Wake up to the truth that life is not training. Be brave and make decisions that are good for your growth. Place yourself on your imaginary deathbed and realize that time does not stand still for anyone. Start making the necessary changes as soon as possible. Take the first step by standing still before time runs out your choice, your life, your responsibility, your power.

Note that you can control your reactions: We create our external reality through the thoughts and beliefs we generally hold in life. What we believe in our inner world is what we see in our outer world - not the other way around. We all have problems and are often tested by circumstances beyond our control. While you may not be able to control what happens outside of you, you can certainly control your reactions to those situations. We have power because our inner world (the cause) influences the effect we allow the outer world (the effect) to have on us. So the next time you hear someone mention

that you have great personal power, know that they are 100% right. You have more control than you think.

Know that no one is qualified: We place too much weight on other people's opinions of us, often to the exclusion of our own. It takes away our personal power. No matter what someone says about you, it means nothing to who you really are unless you identify with or agree with them. Stop identifying with other people's opinions and become aware of how you see yourself. No one knows you better than you. Never accept another person's reality as your own. Always believe that you can achieve anything you set your mind to. And most importantly, never let another person's opinion of you affect what you believe about yourself.

Believe that you are more than enough: If you have to compare yourself to someone else, let that person be less fortunate and it will be a lesson to learn how abundant your life really is. It's just a matter of perspective. You may find that you are not fully grateful for what you have. You may believe that you need more than what you currently have to be happy. If so, you are absolutely right - you need more and you will continue to need more. This cycle continues as long as your mind believes it to be true. If you focus on what you have instead of what you don't have, you will always have enough because you will always have enough.

Love yourself: You have arrived. Everything you need is here. Cut out the distractions, open your eyes and see that you already have everything you need to be happy, loved and fulfilled. It's not there. It was never there. It's been in the same place since you were born. It's just covered in all the external things you've identified with over the years. Be yourself. Love yourself completely and accept all that you are. you are beautiful Believe it, and most importantly, remind yourself often.

Keep calm: When someone cuts us off in traffic or skips the line at our local movie theater, we can feel our blood pressure rise and feel the need to react negatively. We get excited by other people's actions and punish ourselves for their bad behavior. We lose control of our actions because other people do. But we are responsible for our own actions, no matter how rude other people behave. When it's hard to stay calm, remember: you're the one who ends up losing if you skip class.

Attitude of Students towards Teachers

Today, the behavior of teachers towards students has changed a lot. When asked by an English high school teacher, he said that we cannot let students stand for more than ten minutes and we cannot physically beat a child, we can only give a written punishment. Older people always say that during school days the rulers used to beat them and beatings were very common for teachers. Teachers used to be stricter than fathers. A 6th grade student told me that he loves those teachers who are competent in their work and make us understand things at our level, when asked about the communication language used, he told me that it is English and talking is not a problem. or understand My friend told me that when he was in the 6th grade in 1983, he could not understand science lectures because they were in English, even though learning English in school had been a problem since the beginning of English. He further said that nowadays media has given a lot of confidence to the students and they can easily understand English cartoons throughout the day both in cartoon network and baby channel. He added that when the children come home from school, I notice that even their English pronunciation is British or American. A teacher changed her school from an all-girls branch to a co-educational branch, and she told me that it is very difficult to interfere with the boys, who are the least interested in listening, and even if you yell or punish in writing. , they imagine that they are heroes who cause the Indians. movies

Promote all heroes as warriors and always use street language and fight. Punishment empowers them that they are better than others, so they are recognized and punished. Students relate more to young, single teachers who are attractive and friendly compared to married and strict teachers who feel shy and powerless.

The Importance of Cultivating a Scientific Attitude

It should be noted that fear is an appropriate emotional response within certain limits that should lead to practical actions to avoid imminent harm or a threatening situation. But when it is used as a basis for scaring people and as a means of social control (for example, the fear of eternal hellfire), it can have devastating consequences for a person. The deep fear of hellfire, zealously promoted by clerics for psychological manipulation of believers, for example, has caused nightmares and neuroses as naive minds tremble with fear of eternal damnation. Belief in hell has no scientific basis. Thus, a person who approaches life from a scientific perspective knows that hell is a myth created and propagated by mentally twisted religious zealots interested in consolidating their power over people's minds and pockets.

A scientific attitude encourages us to look at the universe without the distorting flashes of superstition. Such a person can intelligently appreciate the wonders of nature with reverence and humility, and yet realize that amidst the incredible harmony and beauty of the universe, heartbreaking ugliness and evil are the natural byproducts of cosmic activity. development A scientific attitude presupposes an appreciation of the good, the bad and the terrible in the world without attributing them to supernatural forces. I firmly believe that science offers a more realistic and practical solution to death, which fills people with foreboding and helplessness, than religion. Most religions teach the doctrine of immortality and the concepts of divine reward and punishment after death. People generally do not realize that for thousands of years the belief in immortality has promoted unspeakable evil practices, especially the internalization of important personalities such as kings and queens among the living.

Moreover, they do not know that the research results of the relevant biological sciences tend to distrust immortality, because there is reliable evidence that there is nothing in man that survives death in a meaningful subjective and personal sense. In other words, despite decades of research, there is no well-documented evidence that a dead person can continue life as a sentient being in any universe. Thus, knowing that humans have only one life on this earth because "life is not double," the scientific mind has a strong incentive to maximize the unique opportunity to live meaningfully and productively.

Academic Achievement

This requires constant evaluation of the correct performance of each task. The same applies to the academic performance of students. Only grades and grades determine students' academic success. It is the tool by which the teacher and the institute set the value for their students. Academic success is an important parameter that ensures academic success for students. The academic success is not a whole, but is a grouping of several activities, which is expressed in the number of activities of students. The subject is a combination of academic and general education. Extracurricular activities are as important to students as the curriculum and exams. Academic performance is the most important tool for evaluating student performance. Academic success depends on many factors such as the quality of teachers, classroom environment, peer relationships, etc. All these factors make up the academic performance of students.

Recommendations

Based on the results of the study, the following improvements were suggested

- Teachers should adopt effective oral communication attitudes when teaching students in the classroom to improve student performance.
- The attitude of teachers towards classroom management should be such that it instills discipline in students.
- Teachers should develop strong pedagogical attitudes in three learning areas to improve student performance.
- Teachers must demonstrate good content knowledge in their profession, so that they can pass on the necessary knowledge to their students, which in turn improves student achievement.

Conclusion

Although it is desirable to encourage students/teachers to develop these attitudes, we must also make them aware of the role of personal characteristics in the acquisition of scientific knowledge. By revealing the role of personal characteristics, that scientists are normal people, fallible, stubborn, emotional and irrational, we can humanize education and thus form the correct evaluation of education in students/teachers. For this, the student should be given the opportunity to experience the benefits of education as normal, active and sometimes erring people who differ only in their special education. Students should have access to literature that reveals how the subjective side of the researcher affects his work. It goes without saying that classroom teachers must play an important role in this endeavor and thus help students better understand education. To be effective, teachers can familiarize themselves with current writings on the nature and practices of scientific knowledge.

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