

Pedagogy of Teaching Value Education to Science Students

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ABSTRACT

The whole enterprise of education is extricable linked with the development of values. Devoid of the potential to nurture values, education loses its heart and soul. No one who attempts to depict the spirit of age in which we live can possibly overlook the importance of education for values. It is not possible to impart value education separately from the processes and orientations of other parts of the school system. Value education helps to provide a road map to guide children and youth. Researcher has discussed important terms along with their objectives in this paper. Science graduates are the mass, on whom this research focuses.

Key words: Value Education.

Since the term “Value” has come into focus after the large homicide by World War I & II, need to restore the concept of values in human especial in teenagers and students become essential. Scholars gave or are giving different meanings of it. Nowadays demand of the value education in academia is in air. People are becoming not just human but they have concept to become good human. Numbers of scholars proclaim that *value cannot be taught or it is an abstract concept, it can be practiced only*, while some of have gone to against it. The biggest question stands against is to comprehend proper meaning of value. As we know that today science and technology is dominating us, it has taken everything which human should take but science too fails in matter of values. In order to spread harmony in all levels i.e. 1) In individual level, 2) In Family level, 3) In society level, 4) In existence level, we must inculcate values within our beings. Before we deep dive into the research paper, comprehend the term “value’ with universal definition becomes essential. It has been said that students who are in a process of shaping and molding for enlighten society and that dream can realize on through imbibed values. My chief concern in this research paper is how value education can teach to students especially science students who deprived it due to consistent

studying technical subject throughout their academic life. They are not even touched the word “Value” and possible methodology of teaching value education to them.

What is Value?

It has been said that values cannot be defined but demonstrated. To define the term Value universally is not easy task, it demands deep critical contemplation over the life. Various scholars have tried to define value but they had to face rejection and criticism by other scholars. It is hard because you could not make people convince by understanding only your life or existence. How others have defined the term value, one has to observe it before to find the conclusion of the research paper.

According to Oxford English dictionary: *“the moral principles and beliefs or accepted standards of a person or social group”*

According to Cambridge dictionary: *“the regard that something is held to deserve; the importance, worth, or usefulness of something”*.

One has said: *“principles or standards of behaviour; one’s judgement of what is important in life”*

Having various definitions of value, it makes readers bewilder that which should be accepted as universally. But if readers scrutinise the term,

they all consent on a one point i.e. “To be good”. Propose of the research paper is to how value can be inculcated to technical students though they are not in domains of humanity. As we now know that the term value is spreading across the various disciplines and people are ready to embed it. Education has played significant role to make people aware about their beings by value. In order to make society like utopian, education can play a crucial role to make reach value in the hearts of the students. Value education cultivates their skills, personality, understanding about the own self and others, to make them see object from different perspective and by others eyes along with their core content of technical knowledge. But before we understand how value education can be taught, which kinds of the effects it brings? Certain questions have been asked frequently that is it possible to embedded value? Is it possible to bring code of conduct in society through knowing and learning value? Are we maintaining to keep it alive throughout the lives? I have tried to approach all these questions in this research paper.

Role of Value in Education

The whole enterprise of education is extricable linked with the development of values. Devoid of the potential to nurture values, education losses its heart and soul. No one who attempts to depict the spirit of age in which we live can possibly overlook the importance of education for values. It is not possible to impart value education separately from the processes and orientations of other parts of the school system. Value education helps to provide a road map to guide children and youth along a route to live a life based on moral principles which are important both in the individual as well as collective context. Value education is not a separate domain. No education is value-free and goals of education include the goals of value education itself. It has been generally observed that value do not get deliberate focus rather focus is providing on knowledge, although knowledge is not detached from values.

Pedagogy of Values

Pedagogy refers to scientific methodology of teaching. It shows deferent parameters of

methodology to teach. It is not just about teaching the subject content but the entire range of relationships, methods and strategies which are designed to heighten learning. The pedagogy of values has to be different from the conventional pedagogy.

Lecturing Method

Lecturing is direct learning where students move from inductive to deductive. Lecturing has direct relation with cognition skills of the students. Whatever teachers teach by adopting this method, it goes straight into the minds of the students. Value too can be taught though this method. Direct lecturing without adoptive practical approach makes students mere passive spectators, therefore, technology should be used in order to erase passive ambiance of the classroom. Best way to alive the interest of the students is interaction. It must take place between students and teacher. Lecturing method is not just throwing bundle of words on minds but to justify the words with providing facts. It can be proved effective method to transmit value education to the students. This method is teacher oriented so he has to play faultless role in the classroom before the students. Acquisition of main objectives of this method would be attained in very short time because cognitive skills of the subjects are very active.

When we talked about this method, one should not exclude drawbacks of it. If teacher is fresher and not experienced, then, it causes hammer on the heads of the student by adhering this method. One should remember to teach value education is harder than to teach social science so by stick to this method, without having capacity to make lecture interesting, students may become just silent spectators. One more limitation is class control, as we know to teach values is like torn between rock and hard palace for the teachers because students believe “we know everything”, they believe value education is just to teach advise and moral suggestions in terms of “What to do or not” by teachers. One has to keep these limitations in mind of this methodology.

By using sources like Multimedia and Technology

In 21st century is called age of science and technology and it becomes part of our life. It is very clear that coming decades are going to see a greater explosion of science and technology while we are still trying to cope up with the present challenges of new technology. It has occupied such a place in our life, without it we feel incompleteness. Every new thing is based on internet. It helps us in every province of human life. It can help in education too for especially teaching- learning. How science and technology is to be used is a question of values. Application of science and technology in a more humane and rationale way is related to moral and ethical responsibility. Media and technology are an important source for learning and teaching. Everything is subdue in its feet. As far as teaching value education is concern, it can be taken as another methodology to teach value education. The values and attitudes can only make difference to guide individual actions based on the principles of fairness, goodness, constructive and critical attitude and wisdom to discern between the potential and pitfalls of scientific and technological advancements. Many social networking sites like Facebook, YouTube, Google Plus, and LinkedIn are prominent source for materials. Many inspirational, motivational videos are flooding on internet especially on YouTube by downloading them, it can enhance understanding of values in student's life.

Group Activities

It provides unique opportunities for learners to acquire values. Values like love, tolerance, cooperation, peaceful co-existence, respect are fundament in one's life and it can be developed through following this methodology. By working in groups, students learn the value of each other's sincere efforts, joy of doing one's best for the good of the whole group. Role plays, games, group discussion, group projects etc. are part of group activities which could be used in teaching of subjects as well. The manner in which such activities are meaningfully organised is important. Experiences of working in groups also

provides opportunities for learning from each other, and to express feelings of delight, dislike and anger in acceptable ways

By Organising Presentation on Stage

Stage specific approach for teaching value education may prove very productive methodology. Students are allowed to explore their own understanding about values. Here they require to develop feeling of confidence, sharing and other orientation as against self-centeredness. Here students are provided platform to express their deeper understanding of values like love, share, care, respect etc. they have to show human qualities on the stage because s/he conscious that rest of the students are observing him/her. This also provide many opportunities for developing skills for handling information and using it to distinguish between right and wrong, good and evil to think creatively, to develop self-reflection and self-discipline and so on. They need to develop discernment to respond with maturity to information and situations that prompt corruption, violence, and hatred, particularly the misleading advertisements and whatever is violent and unhealthy in the media. Hence it can be a tool for teaching values for students.

Questioning

It is traditional methodology used in conventional time to test creativity, ideas, knowledge, imagination, and value clarification of the students. Its intended purpose is basically to raise curiosity of students and elicit involvement for active learning. Most of the questions which teachers ask in the classroom are those for which they already know the answer. As we know there are two types of questions Open- ended and Closed- ended. Open-ended questions are rarely asked. Closed type of questions which are commonly asked by providing only one correct answer to the questions. Open-ended questions provide opportunities to students to explore new ways of looking at or thinking about problems. These are different types of questions such as hypothetical questions which involve problems solving abilities. This methodology demands immense creativity to respond the questions.

Value Clarification

It is used for problematic situation, with conflicting alternatives or equally competing values. This strategy allows one to choose one out of the two, reflect on what is chosen and what is valued by the person. It aims at helping students look closely at their ideas, behaviour, and attitudes thereby clarifying themselves what they really value. Imposing one's own ideas or moralizing what the teacher thinks is right or wrong is deliberately avoided.

Conclusion

Values are essential to be a good human and it can be acquired by inculcating with teaching methodology. There are many methodologies through teaching values education is possible. In the era of science and technology, values are badly needed for everyone especially to students who are in a process of moulding and shaping in their respective schools and colleges. In today's society, many problems are prevailing pertaining to degradation of humanity and human beings are performing their actions just like as if they are technical tools like machines or robots. It is time

to realise who are we? Here researcher's chief concern is pertaining to science students, They are learning only technical subjects during their academic life and remained deprived from the basic values so that they cannot sometimes discriminate in the society between what is good or bad, right or wrong, and what to do or not. Chief source of value education is their home where child learnt values from his parents, and other family members but modernism has changed traditional values. Today's era being an engineer and other positions are more important than being a good human but it's a universal truth that without having humanistic approach, society cannot progress. It is responsibilities of teachers to integrate values with their core subjects and let's realise the dream of *VASUDHEV KUTUMBAKAM*.

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Education is a progressive discovery of our own ignorance.

~ Will Durant