

1st International Conference On Universal Human Values

Organized By The

Bahá'í Academy

(A Recognized Institution of Shivaji University),

In Association With the

Dept. Of Education, Shivaji University,

And

International Institute of Organizational Psychological Medicine

(IIOPM), Australia

Panchgani, 11-12 June 2016



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an institution engaged in research and action in the
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**Actions and Reflections:
Proceedings of the
1st International Conference
On
“Universal Human Values”**

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In Association with the Department of Education,
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Inculcation of Human Values Through Biology Textbook among Junior College Students

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ABSTRACT

School is the place where the formal education is implemented through well defined curriculum. Curriculum enlists subjects to be taught, practicals to be conducted, as well as co-curriculum & extra-curricular activities. Biology is one of the important subjects in the curriculum in junior college level. Biology subject is a study of living organisms. It is concerned with the characteristics, classification, and behaviors of organisms, how species come into existence, and the interactions they have with each other and with the environment. Biology encompasses a broad spectrum of academic fields that are often viewed as independent disciplines. Another thought is biological studies emphasise on environmental awareness, animal protection and scientific attitude. The aim of the present paper is to know how the Biology subject is inculcating the Universal Human Values among Junior College Students. The Objectives of the present paper are 1) To analyze the content of XI std Biology Textbook with reference to Universal Human Values. 2) To study the role of Biology Teachers about Biology Textbook with reference to Universal Human Values. 3) To study the opinions of the Biology Teachers and Biology Students about the role of the Biology textbook in inculcation of Human Values. The present study is descriptive in nature, and purposive sampling method is used for sample selection. The data are collected with help of content analysis method, questionnaire and unstructured interview technique.

The present paper is helpful for society to know more about the Universal Human Values and also to know how Universal human Values can be inculcated through the Biology subject among the Junior College students.

Keywords: Universal Human values, Biology, Junior College Students

Introduction

Education is necessarily a process of including values to equip the learner to lead a life that is satisfying to the individual in accordance with the cherished values and ideals of the society. Philosophers, spiritual learners and educationists of our country, all in various ways, have emphasized the role of education for 'character development', 'bringing out the latent potentialities and inherent qualities' and developing an 'integrated personality' for the well-being of the individual and society at large. The concerns for value education are reflected in our key policy documents from time to time.

One of the most important reasons for reorienting education for values is the fact that the current practices in school education by-and-large contribute to the lopsided development of students. These put exclusive focus on cognitive to the total neglect of the affective domain, and present alienation between head and heart. Students are nurtured in a spirit of excessive competitions, are trained right from the beginning to relate to aggressive competition, and learn facts detached from contexts. They hardly know how they should live their lives, commit themselves to the welfare of the country, or care about the environment and other social and moral issues. They are not clear as to what sort of persons they hope to become when they complete their school education.

This kind of education turns children into machines. Such a perspective defeats the very purpose of education the wholesome development of personality including ethical development which is fundamental for responsible decision making in case of moral conflict. Children and youth need to be educated to practice the commonly held values of harmony and peace with self and others. Children are envoys of the future. As per population projection, India will have one of the youngest populations in the world by 2020. This vast human resource will shape the nation and the world. What is urgently needed is a re-examination of the content and process that each school adopts to

educate children under their charge. Although value education is the responsibility of both parent and public, the school, due to its institutionalized nature, ought to take the major responsibility. There is general acceptance that education must provide the thrust for nurturing values. The spirit of values lies implicit or hidden in the textbooks.

Need and Significance of the Study

The National Curriculum Framework for School Education (2005) brought to focus the erosion of human values and suggested the integration of values in the curriculum. Almost in all textbooks, values are embodied. The Biology subject also reflects some values such as Love with nature, Care of the nature, Environmental awareness, Respect to biodiversity, Organizing, Scientific attitude, Non-violence, Atheistic view, Integrity, Sensation with nature, Dependent attitude, Cooperation, Human Health etc..

Objectives of the Study

1. To analyze the content of XI std Biology Textbook with reference to Universal Human Values.
2. To study the role of Biology Teachers about Biology Textbook with reference to Universal Human Values.
3. To study the opinions about the Biology Teachers and Biology Students about the role of Biology textbook in inculcation of Human Values.

Research Methodology

Research Method

For the present study, Descriptive Research method is used where Documentary analysis was done qualitatively.

Tool for Data Collection

For the present study following tools and techniques were used:

1. Check list-For reflection of Universal Human Values in XI std. Biology textbook.
2. Interviews-Interviews of the Biology teachers and XI std. Science students to find out the reflected Universal Human Values in the Biology textbook.

Statistical Technique

The collected data are analyzed through Suitable statistical technique as percentage.

Delimitations of the Study

The study is delimited to only Biology textbook, Biology teachers and XI std. Science students

Analysis of Data

The data were analyzed qualitatively:

Study of Universal Human Values reflected in Biology Textbook according to Biology teachers.

1. Most teachers(95%) agreed std Biology Textbook content reflected the some universal human values, but did not cover all the universal human values.
2. Many teachers (75%) agreed that Biology Textbook content is enriched with universal human values and they are trying to inculcate these human values in their students at the time of lecture and practical.
3. Half of the teachers (50%) agreed that at the time of Biology lecture they are focused on the Human Values through the biology content
4. Most of the teachers (80%) agreed upon different universal human values like love, care, justice, universalism etc.

Study of Universal Human Values reflected in Biology Textbook according to XI standard Biology students-

1. Most of the students (95%) agreed that Biology Textbook is useful for inculcation human values.
2. Most of the students (90%) agreed that their teacher instructed them about the human values at the time of biology lecture or practical work.
3. Very few (2%) students agreed that their teachers tried to inculcate values by different ways for students, but students are unaware about it.

Conclusions

1. For the objective No. 1 it is concluded that the Biology textbook reflects some Universal Human

Values such as Love with nature, Care of the nature, Environmental awareness, Respect to biodiversity, Organizing, Scientific attitude, Non-violence, Atheistic view, Integrity, Sensation with nature, Dependent attitude, Cooperation, Human Health etc.. Biology is a very interesting subject in Junior college Level. Biology textbook justifies reflection on Universal Human Values by providing its content.

2. For the objective No. 2 it is concluded that the Biology textbook reflects some universal human values but does not cover the all universal human values. (Source: Aswathy Raveendran and Surga chunawala. Reproducing Values: A Feminist Critique of a Higher Secondary Biology Textbook Chapter on Reproductive Health)
3. For the objective No. 3 it is concluded that the Biology Textbook is useful for inculcation human values. (Source: Robert Brooker. The Value of a Textbook)

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