

Place of Biological Science in School Curriculum

Until the beginning of twentieth century according to the utility of biology in day-to-day life, it had not acquired its suitable place in the curriculum.

Accepting the utility of this subject, Herbert Spencer expressed grief on it being given secondary place in school curriculum. According to him science is very useful to us in the development of our civilization. Still the place accorded to biology is so low.

Prior to 1915, biology had not been given in any primary and higher classes.

It is being argued if country has to progress, then we would have to raise the standard of biological sciences.

In view of its significance, Kothari Commission had declared in its report that science and mathematics should be taught in the first ten years of school life in the form of general education compulsorily.

Factors of keeping biological science in school curriculum

It is essential to find out the factors which have contributed to according of priority to biological sciences in school curricula. The advantages accruing from the study of this subject has succeeded in getting this subject an important place.

Today ,biological science have acquired a prestigious and suitable place in the curriculum.

These advantages and values are the factors which have enabled biological science to attain the important place in the curriculum.

1.Utilitarian Value: From the beginning man has depended upon vegetation for all his needs. So the vegetation can be called the breeder of man. The three basic needs of man food, cloth and residence are met by vegetation.

Plants are the chief source of food for man.

cereals,pulses,vegetables,fruits ,sugar,spices,oils and different types of scents are prepared from plants.

Beverages like tea,coffee,coco,liquor,beer etc.are also got from plants.

Plants are also the source of wood timber and fuel.sources of important materials like rubber,gum,cork,bamboo are plants.

Clothe and textile we get from plants.example
jute,cotton,sun,flex,coconut etc.

Livestock provide food for humans.many clothe items we get from animals. Microbes and enzymes enable the creation of foods such as cheese, yogurt and bread. Barley, yeast and hops work together to make beer, Wine is made in similar fashion from grapes and other fruits.

Compost made from decaying plant and animal waste serves as a natural fertilizer for organic crops.

2. Intellectual Value: like other sciences, the teaching of biological sciences also naturally develop the consciousness in man which is necessary to know the pure form of truth.

Science is a way to settle in the mind a habit of reasoning. *Locke*

3. Cultural Value: The study of biological science has contributed to the construction and enrichment of cultural heritage and the discovery of lost culture riches.

“Science plays a role in the development of culture as a playback pioneer.”

Several customs and dogmas /orthodox practices have been affected by its discoveries in several fields. the disease and ailments for protection against which man sought the refuge of gods and goddesses thinking them to be the result of natural powers and calamities, he has resolved those mysteries with the biological sciences by uncovering them.

4. Aesthetic Value: The two chief factors of natural beauty ,animal and plants,for protection of which suitable steps have been taken are the true witness of biological sciences creating aesthetic value in the students.

5. Psychological Value: There is strong psychological basis for the teaching of biological sciences. Transfer of learning takes place by experiments in different fields of scientific theories .learning by doing is the most successful method of motivation.