

Environmental Science: Modern and Effective Teacher

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ABSTRACT:

In order to solve the problems caused by environmental deterioration and to promote sustainable practises, environmental science is essential. In order to provide pupils with the information and abilities required to comprehend, safeguard, and preserve the environment, an up-to-date and proficient environmental science instructor is crucial. In order to motivate students, stimulate critical thinking, encourage hands-on learning, and create a feeling of environmental responsibility, this chapter discusses the important traits and behaviors of a contemporary and successful environmental science teacher. The chapter ends by highlighting the significance of ongoing professional development for teachers in order to stay abreast of the most recent scientific developments and pedagogical approaches, ultimately enabling them to positively influence students' environmental awareness and conservation efforts.

KEYWORDS:

Environment, Instructor, Knowledge, Method, Pupils, Teacher.

I. INTRODUCTION

However, we are persuaded that the teacher his or her personal characteristics, educational background, professional training, and the position he or she has in the school and in the community is the most crucial element in the planned educational reconstruction. The standing of a university! Additionally, the sort of instructors that work there have a consistent impact on the community's quality of life. Secondary Education Commission (1952–1953) Since the beginning of time, teachers have played a crucial part in the teaching-learning process since they are a child's primary source of personality impact. He should thus possess certain desirable executive, moral, and physical traits [1]–[3]. Even after that, the teacher's significance has grown, and his or her relevance has not decreased because of the topic he or she teaches. Therefore, the environment instructor has a significant influence on whether commerce education is successful or unsuccessful (1964-66) Kothari Education Commission [4]–[6].

The quality, competence, and character of teachers are undoubtedly the most important factors that affect the quality of education and its contribution to national development. Nothing attracts people to the teaching profession without giving them the best possible preparation and establishing favorable working conditions that allow them to be fully effective. These issues today have an unprecedented degree of relevance and urgency due to the anticipated fast growth of educational facilities over the course of the next three plans, particularly in light of the urgent need to elevate standards to the highest level and maintain continuous improvement. The social standing and morale of the teaching profession will have a significant impact on how effective it is, how it contributes to national development in general, and how important it is to education in particular. This will rely on two interconnected factors: the economic standing and civil rights of the instructors as well as their professional abilities, moral character, and feeling of devotion.

Classification of an Effective Environment Teacher

For a subject instructor, quality and efficacy are crucial. Many educational experts define effectiveness in various ways. According to my opinion, the background of subject instructors, the availability of teaching resources, the setting in which lessons are taught, and other factors also have an impact on their quality and efficacy. Nevertheless, we shouldn't lose sight of the fact that all subject teachers, regardless of their training, must possess a set of basic abilities. Some significant are provided below.

1. Individual Qualities.

2. Interest in Commerce.
3. Patience and Self Confidence.
4. Good Health.
5. Resourcefulness.
6. Pleasing Personality of Teacher.
7. Humorous Temperament.
8. Professional Qualities.
9. Educational Qualification.
10. Knowledge of Subject.
11. Knowledge of Psychology.
12. Ability of Self-Expression.
13. Knowledge of different Teaching Methods.
14. Studious and Scientific Attitude.
15. Knowledge of different Teaching Aids.
16. Interest in the Research Work.
17. Social Qualities.
18. Quality of leadership.
19. Democratic Attitude.
20. Justice Loving.
21. Faith in the World Citizenship.
22. Honesty and Impartiality.
23. Friendly and Sympathetic.
24. Individual Qualities.

1. Interest in Commerce

A teacher of the environment must be passionate about the subject topic they are teaching and possess complete subject matter expertise. Otherwise, he might think that he was given an extremely dull job.

2. Patience and Self-Confidence

Because teaching bookkeeping, income tax, or accounting, for example, requires a great deal of confidence and patience, as is well known, commerce is not an easy topic. These two characteristics of the environment instructor greatly aid him in efficiently resolving the issues of the pupils.

3. Good Health

Physical Fitness According to a saying, A healthy mind lives in a healthy body. The environment instructor can teach well for extended hours, which is ideal. Here, good health refers to both physical and mental well-being.

4. Resourcefulness

The Teacher of Commerce must use creativity and imagination to organise the various teaching aids according to the demands of the class. He may borrow teaching tools like a typewriter, duplicator, Xerox machine, etc. from the community or a student's guardian if there aren't any available in the school.

5. Pleasing Personality of Teacher

The environmental educator needs to be likeable. An attractive personality includes a fit body, appropriate attire, and an outstanding conversational style.

6. Humorous Temperament

The teacher's upbeat attitude motivates the kids and fosters a positive learning atmosphere in the classroom.

II. DISCUSSION

Professional Qualities

1. Educational Qualifications

To teach commerce to a certain class, an environment instructor has to possess a few fundamental academic prerequisites. In addition to certain fundamental academic credentials, he should possess some professional credentials for teaching, such as a B.Ed., M.Ed., etc.

A teacher must have a B.Ed. degree if they wish to teach commerce at the +2 level.

2. Knowledge of Subject

The environment instructor should have extensive knowledge of commerce and should have strong mastery so that his pupils can readily be persuaded of the teacher's subject-matter expertise. It is essential to succeeding as a teacher.

3. Knowledge of Psychology

Psychology knowledge is important for environment teachers to have since it helps them in understanding child psychology, individual differences, phases of mental and physical development, etc. The scientific study of the mind and behaviour is called psychology. It includes a number of subfields and disciplines that look at many aspects of behaviour, cognition, emotions, personality, development, and mental processes in both humans and animals. Here are some crucial psychological points:

History and Schools of Psychology: Psychology has a long history and has been influenced by a number of important schools of thought. These include humanistic psychology, cognitive psychology, psychoanalysis, behaviourism, structuralism, functionalism, and positive psychology, which has lately gained popularity. Different insights and hypotheses regarding human behaviour and mental processes are presented by each school of thought.

Research Techniques: Psychologists use a range of research techniques to examine and comprehend human behaviour. Experiments, surveys, observations, case studies, and correlational studies are a few of these techniques. To reach findings and make assertions regarding psychological phenomena that are supported by evidence, researchers gather and examine data [7], [8].

Behavior's Biological Basis: Psychologists research the biological elements that influence behaviour and cognitive processes. This include looking at genetics, hormones, neurotransmitters, and the structure and function of the brain. It is easier to understand phenomena like perception, learning, memory, emotions, and psychiatric problems when the biological underpinnings of behaviour are understood.

Developmental psychology: The study of human growth and development over the lifetime is the main emphasis of developmental psychology. From early childhood until old age, it explores the physical, cognitive, social, and emotional changes that take place. Developmental psychologists study the effects of environmental influences on development as well as child development, adolescence, maturity, and ageing [9], [10].

4. Ability of Self Expression

A skilled teacher should be able to communicate themselves appropriately for the class standard and intellectual level of the pupils. He should use clear language to convey his ideas. While instructing the pupils, he shouldn't be too sluggish or excessively high-pitched and harsh. He should use the chalkboard to clarify the subject matter in between lessons. The educator should use the following techniques:

1. Laboratory method.
2. Project method.
3. Problem method.
4. Analytic and Synthetic method.
5. Socialized Recitation method.
6. Discussion method.
7. Supervised study method.
8. Unit method.

Even the methods often used in teaching business should be under his control:

- a. Techniques for Questioning.
- b. Strategies for Assignments.
- c. Narrative Method.
- d. Illustration Methods.
- e. Examining Procedures.
- f. Drilling methods.
- g. Techniques for Demonstration.

6. Students' Attitudes Towards Science

No one can become a competent teacher unless they are diligent in their studies and make an effort to become experts in their topic. An environment instructor should be diligent and spend enough time learning more about the topic. A lamp cannot light another lamp unless it keeps its own flame blazing, as R.N. Tagore properly observed.

7. Understanding of various teaching aids

The instructor has to be fully knowledgeable about all available instructional tools. i.e., how to use them and when to utilise them in the classroom to maximise the effectiveness of his instruction.

8. A Passion for the Research Work

One has to be skilled at research in order to be a competent instructor of business. The environment instructor might use discovery techniques to find solutions to various management issues and the high cost of goods issue.

1. Quality of Leadership

The leadership of an environmental educator is solely dependent on his personality and character.

A teacher with good morals and a pleasant personality may inspire the class to work together to complete the goal. Because of this trait, the instructor is popular and active in the classroom.

2. Democratic Attitude

Teachers can encourage ideal citizenship traits.

The instructor should interact with the pupils in a way that promotes freedom, justice, equality, and fraternity. This approach reflects the teacher's democratic outlook.

3. Justice Loving

When sitting in the judge's chair, the environment instructor should possess the virtue of loving justice and impartiality. The kids will see the instructor as perfect because of this attribute.

4. Honesty and Impartiality

The environment instructor should treat each student fairly. The teacher's actions and work both need to be consistent. Teachers who speak with one thing on their lips and another in their hearts or brains are not respected by their students.

5. Friendly and Sympathetic

The way an environmental educator interacts with his pupils should be that of a friend. He should make an effort to identify the children's issues and make every effort to successfully address them.

III. CONCLUSION

An up-to-date and successful environmental science instructor act as a catalyst for elevating students' awareness of sustainability and the environment. Such a teacher motivates pupils to take an active interest in environmental concerns by using cutting-edge teaching strategies and combining real-world examples. They foster a feeling of responsibility and equip pupils to become environmentally aware citizens via their enthusiasm, expertise, and devotion. Additionally, students may get a better knowledge of environmental topics and a greater appreciation for the linkages across ecosystems via experiential learning opportunities including field excursions and hands-on projects. A contemporary and successful teacher will also promote critical thinking, which will help pupils analyse complicated environmental issues, weigh alternative solutions, and come to wise judgements. Teachers may also improve the efficacy of environmental science teaching by embracing interdisciplinary techniques, such as integrating technology and working with other topic areas. For instructors to keep abreast of cutting-edge scientific research, technology developments, and changing teaching approaches, they must engage in ongoing professional development.

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