A review of related literature shows that a lot many researches have been done in the area of Environmental education, training of students teachers during their training period to create environment awareness etc. However, very few studies have been carried out to know the environmental awareness and environment ethics among secondary and higher secondary school students in Greater Mumbai. Thus the need for this study emerges from the review of related literature.

**Aims of the study**

The aims of the study are as follows:

1) To study the awareness of environment among the secondary school students and higher secondary school students.

2) To study the level of environmental ethics among the secondary school students and higher secondary school students.

**Objectives of the study**

The study seeks to achieve the following objectives.

1) To study the awareness of causes of environmental pollution among the secondary school students on the basis of:
   a) Gender
   b) Education at different boards

2) To study the awareness of causes of environmental pollution among the Higher Secondary students on the basis of:
   a) Gender
   b) Discipline [Arts, Commerce & Science]

3) To compare the awareness of causes of environmental pollution among the Secondary school students and Higher Secondary school students.

4) To study the awareness of conservation of environment among the Secondary school students on the basis of:
   a) Gender
   b) Education to different boards
5) To study the awareness of conservation of environment among the Higher Secondary school students on the basis of:
   a) Gender
   b) Discipline [Arts, Commerce & Science]

6) To compare the awareness of conservation of environment among the Secondary School students and Higher Secondary school students.

7) To study the environmental awareness among the secondary school students on the basis of:
   a) Gender
   b) Education at different boards

8) To study the environmental awareness among the Higher Secondary school students on the basis of:
   a) Gender
   b) Discipline [Arts, Commerce & Science]

9) To compare the environmental awareness of Secondary school students and Higher Secondary school students.

10) To study the level of environmental ethics of secondary school students on the basis of:
    a) Gender
    b) Education at different boards

11) To study the level of environmental ethics of Higher Secondary school students on the basis of:
    a) Gender
    b) Discipline [Arts, Commerce & Science]

12) To compare the level of environmental ethics among Secondary school students and Higher Secondary school students.

13) To study the relationship of environmental awareness and environmental ethics among the Secondary school students on the basis of:
    a) Gender
    b) Education at different boards

14) To study the relationship of environmental awareness and environmental ethics among Higher Secondary school students on the basis of:
    a) Gender
    b) Discipline [Arts, Commerce & Science]
**Hypotheses of the Study**

1) There is no significant difference in the awareness of causes of environmental pollution among the secondary school students on the basis of:
   a) Gender
   b) Education at different boards

2) There is no significant difference in the awareness of causes of environmental pollution among the Higher Secondary students on the basis of:
   a) Gender
   b) Discipline [Arts, Commerce & Science]

3) There is no significant difference in the comparison of the awareness of causes of environmental pollution among the Secondary school students and Higher Secondary school students.

4) There is no significant difference in study of the awareness of conservation of environment among the Secondary school students on the basis of:
   a) Gender
   b) Education to different boards

5) There is no significant difference in the study of the awareness of conservation of environment among the Higher Secondary school students on the basis of:
   a) Gender
   b) Discipline [Arts, Commerce & Science]

6) There is no significant difference in the comparison of the awareness of conservation of environment among the Secondary School students and Higher Secondary school students.

7) There is no significant difference in the study the environmental awareness among the secondary school students on the basis of:
   a) Gender
   b) Education at different boards

8) There is no significant difference in the study the environmental awareness among the Higher Secondary school students on the basis of:
   a) Gender
   b) Discipline [Arts, Commerce & Science]
9) There is no significant difference in the comparison of the environmental awareness of Secondary school students and Higher Secondary school students.

10) There is no significant difference in the study of the level of environmental ethics of secondary school students on the basis of:
   a) Gender
   b) Education at different boards

11) There is no significant difference in the study of the level of environmental ethics of Higher Secondary school students on the basis of:
   a) Gender
   b) Discipline

12) There is no significant difference in the comparison of the level of environmental ethics among Secondary school students and Higher Secondary school students.

13) There is no significant difference in the study of the relationship of environmental awareness and environmental ethics among the Secondary school students on the basis of:
   a) Gender
   b) Education at different boards

14) There is no significant difference in in the study the relationship of environmental awareness and environmental ethics among Higher Secondary school students on the basis of:
   a) Gender
   b) Discipline [Arts, Commerce & Science]

Scope of the study

The present study, studies the awareness of the Secondary school students and Higher Secondary school students. It also studies the level of environmental ethics of Secondary school students and Higher Secondary school students.

It studies the awareness under:

   a) Cause of pollution
   b) Conservation of soil, forest, air, energy, human health, wildlife and animal husbandry

It studies the ethics towards environment.

It studies the environmental awareness and environmental ethics of Secondary school students with respect to:

   a) Gender
b) Education at different branches

It studies the environmental awareness of Higher Secondary school students with respect to:

a) Gender
b) Discipline [Arts, Science & Commerce]

It covers the Secondary school students of English medium schools following curriculum prescribed by Secondary School Board and CBSE Board.

It covers the Higher Secondary school students from different disciplines mainly Arts, Commerce and Science, following curriculum prescribed by Maharashtra State Board of Higher Secondary Education. It covers the geographical area of Greater Mumbai under western and central railway routes.

The sample consisted of 1350 samples, out of which:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>S.S.C. Board students</td>
<td>264</td>
</tr>
<tr>
<td>CBSE Board students</td>
<td>277</td>
</tr>
<tr>
<td>H.S.C. Arts students</td>
<td>245</td>
</tr>
<tr>
<td>H.S.C. Commerce students</td>
<td>276</td>
</tr>
<tr>
<td>H.S.C. Science students</td>
<td>288</td>
</tr>
</tbody>
</table>

**Significance of the study**

The result of the present study will help in environmental education programme.

It will give feedback to the teachers about the S.S.C. student’s environmental awareness and environmental ethics.

It will give feedback to the teachers about the H.S.C. Arts, Science and Commerce students’ environmental awareness and environmental ethics.

It will be an eye opener to the administration regarding how much environment awareness and environment ethics the S.S.C. and H.S.C. students have.

The findings of the study will help the policy makers, curriculum framers to adopt new methods to make education environment friendly.
The findings of the study could be utilized for bringing changes in secondary school and higher secondary school environmental education curriculum.

The results will also help NGOs and other organisations working in the area of environmental education and related issues.

The findings of the study will have global implications.

**Limitations of the study**

The limitations of the study with respect to different parameters i.e. samples, size, geographical area, method of study and tools employed are as follows:

1) The study covers only the school and Junior Colleges located in Greater Mumbai and not Thane or other regions.

2) The study covers only Secondary school students and Higher Secondary school students and not students at primary, pre-primary or tertiary levels

3) The study covers only English medium schools and not Hindi, Marathi, Guajarati or any other medium.

4) The schools covered were attached to S.S.C. Board and CBSE Board and the schools attached to ICSE, IGSE and other boards were not covered by the study.

5) The Higher Secondary schools covered were attached to S.S.C. Board only and not CBSE, ICSE, IGSE and other boards.

6) The study covers secondary and higher secondary school students environmental awareness and environmental ethics, not the role of family and other agencies of social change.

7) The environmental awareness and environmental ethics of secondary and higher secondary school students are as perceived by self only.

**Work plan & Methodology:**

Keeping in view the objectives of the present study the methodology adopted was descriptive method of casual comparative and co-relational method. The present study is a co-related one in the sense that it seeks to establish relation between awareness about the environment among secondary school students and higher secondary school students and its standard of ethics. It also tries to compare secondary school students and higher secondary school students in respect to
variables such as different board of studies, gender and different streams like arts, commerce and science regarding environmental awareness and environmental ethics.

**Sample of the Study:**

On the basis of the objectives of the study and hypothesis, the sample consist of students from English Medium Secondary Schools belonging to S.S.C. and CBSE board and students from Arts, Commerce and Science section of Higher Secondary school in the region of Greater Mumbai by using stratified random sampling technique. Data has been collected from a sample size of 1350 students.

**Tools of Research:**

For collecting data of the present study the tools used were self-made questionnaire and readymade tool. The content validating and item analysis of the tool was established.

**Analysis of the Data:**

The data was secured and analysed in two ways:
1) Descriptive analysis
2) Inferential analysis

**Techniques of Descriptive Analysis:**

a) Measures of central tendency – mean, median and mode.
b) Measure of variability standard deviation
c) Skewness, kurtosis
d) Graphical presentation

**Techniques of Inferential Analysis:**

a) The significance of the difference between mean tests [T-test]
b) Analysis of variance test [Anova]
c) Pearson’s co-relation.