A Study on Creativity of High School Students of Different Board in Tilda Block

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Abstract

This study examined the creativity of High School students of different board in Tilda block. In this study survey method of research is used. 105 high school students of different board are randomly selected from different school of Tilda block. The tool used for data collection was creativity test developed by B.K. Passai. The level of creativity is average in High School students of different board of Tilda block. There is no significant difference in the creativity with respect to gender and boards of High school students.

Key Words

Creativity, Board, High School, level.

Introduction

Education is deeply related with society. The quality of life is enhanced by acquiring knowledge, awareness, skill, values, attitude and creativity through education out of them. Creativity is one that has enhanced the quality of life and every aspects of life. Any individual has inner ability to think about new ideas and solutions of problems of daily and routine life. Some of them show their ability and some cannot show the ability due to lack of proper guidance, motivation, environment and some other factors. If one wants to be successful in life it is necessary to think new ideas and different way of thinking. The most important part of creativity is the imagination and thinking in different ways.

Creativity is the art of changing new and imaginative ideas in to reality. Creativity involves mainly two processes thinking out of a box and then generating a solution.
Review of literature

Sharma K. (1982) studied - “the relationship of creativity with certain background. Psychological and organizational factors of higher secondary schools his Ph.D. level”. “Factors related to creativity” major finding of the study are -
1. Boys are more creative as compared to Girls.
2. Creativity is found to be higher in nuclear family and families with higher secondary school.

Weiping Hu & Philip Adey in (2002) studied- “creativity for secondary school students and found that as the age increases the scientific creativity of the secondary school students also increases.

Chandana Goswami and Lakshami Phukan in (2014) studied on “understanding creativity level of students of 10th and 12th standard evidence from Assam India” and found that there is no such significant difference found between the creative mean scores of boys and girls and also for the academic mean scores 12th standard students had a lower mean creative scores than 10th standard students.

Objective of the Study
1. To study the level of creativity of High school students of different boards.
2. To compare the creativity of
   a) Male and Female
   b) Different boards students studying in High School of Tilda block.

Hypothesis

H₁ The level of creativity of High School students of different board of Tilda block is high.
H₂ There is significant difference in creativity of girls and boys of High School Students of different board of Tilda block.
H₃ There is no significant difference in creativity of different board students of High School of Tilda block.

Methodology

a) Method: In this study survey method is used for research.
b) Population: The population of the present study comprises of students of class 10th in different board of Tilda block.
c) Sample: In the present study lottery random sampling method was used to select 105 students in secondary school of different board of Tilda block. Each board having 35 students. 18 Boys and 17 Girls.
d) Tools: A standard tools on creativity developed by B.K. Passai was used to collect data. This tool contain 6 test of creativity:
I. The seeing problem test
II. The unusual uses test
III. Consequence test
IV. The test of Inquisitiveness
V. The square puzzle test
VI. The booklet test of creativity

All these test measure fluently, flexibility, originality total creativity decided by fourteen factors.
The researcher himself administrated the test among the class 10th students of High School of different boards of Tilda block.

e) **Statistical Technique:** In this study mean, median, mode, standard deviation, bar graph, pie graph and ANOVA test are used.

f) **Scope and delimitation:** Only Tilda block urban students, Private school, English medium and class 10th students are selected for the present study.

**Analysis of Data**

\( H_1 \) The level of creativity of High School students of different board of Tilda block is high.

The score obtained by the students studying in class 10th of Tilda block of English medium in different board by administering the standardized tools in the appropriate conditions as mentioned in the manual of tools. After collecting the data we organized it and apply suitable statistical technique.

<table>
<thead>
<tr>
<th>Variable</th>
<th>N</th>
<th>Mean</th>
<th>Median</th>
<th>Mode</th>
<th>Standard deviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students</td>
<td>105</td>
<td>107.80</td>
<td>115.0</td>
<td>78</td>
<td>40.14</td>
</tr>
<tr>
<td>Boys</td>
<td>54</td>
<td>105.96</td>
<td>108.5</td>
<td>78</td>
<td>39.98</td>
</tr>
<tr>
<td>Girls</td>
<td>51</td>
<td>109.76</td>
<td>115.0</td>
<td>170</td>
<td>40.60</td>
</tr>
<tr>
<td>C.G. Board</td>
<td>35</td>
<td>105.88</td>
<td>108.0</td>
<td>57</td>
<td>40.81</td>
</tr>
<tr>
<td>CBSE Board</td>
<td>35</td>
<td>108.91</td>
<td>115.0</td>
<td>78</td>
<td>39.96</td>
</tr>
<tr>
<td>ICSE Board</td>
<td>35</td>
<td>108.62</td>
<td>115.0</td>
<td>62</td>
<td>40.74</td>
</tr>
</tbody>
</table>

(Source: Primary Data)

**Table 1.1:** Mean score of creativity

**Fig. 1.1 Bar graph of Creativity**
From Fig 1.1 & 1.2 and table 1.1 and 1.2, it is a clear that creativity of low level have only 38% and that of High level is of 30%. Mostly students approximately 36% have moderate or average level. Hence, the hypothesis $H_1$ “The level of creativity of High School students of different board of Tilda block is High is rejected. It is found that the level of creativity of students of different board of High School is of average level.
There is significant difference in creativity of Girls and Boys of High school students of different board of Tilda block.

From Table 1.1 the mean score of creativity of boys and girls is approximately equal. From the Annova of Boys and Girls.

<table>
<thead>
<tr>
<th>Variable</th>
<th>Sum of Squares</th>
<th>DF</th>
<th>Mean Square</th>
<th>F Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Between the groups</td>
<td>379.088</td>
<td>1</td>
<td>379.088</td>
<td>0.23353</td>
</tr>
<tr>
<td>Within the groups</td>
<td>167199.100</td>
<td>103</td>
<td>1623.290</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>167578.200</td>
<td>104</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

From this table 1.3 the F value calculated is 0.23353 and which is less than table value 3.9. Hence F value is less at 5% level. Hence the null hypothesis is accepted at 5% level. Therefore there is no significant difference in creativity of boys and girls of different board of High School in Tilda block.

There is no significant difference in creativity of different board students of High School in Tilda block. For the testing of this hypothesis 35 students of each board from Urban school is selected and standard creativity test tool by B.K. Passai is administered on them and from the calculation of data following result is obtained:

<table>
<thead>
<tr>
<th>Group</th>
<th>No. of Students</th>
<th>Total score</th>
<th>Mean</th>
<th>Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.G. Board</td>
<td>35</td>
<td>3706</td>
<td>105.88</td>
<td>1665.630</td>
</tr>
<tr>
<td>CBSE Board</td>
<td>35</td>
<td>3812</td>
<td>108.91</td>
<td>1597.310</td>
</tr>
<tr>
<td>ICSE Board</td>
<td>35</td>
<td>3802</td>
<td>108.62</td>
<td>1660.064</td>
</tr>
</tbody>
</table>

(Source : Primary Data)

From the Table the F value calculated is 0.5963 and which is less than Table value 3.085 hence F value is not significant at level 5% hence null hypothesis is accepted at 5% level. Therefore there is no significant difference between creativity of different board students in High School of Tilda block. The mean of students of each board is approximately equal.

**Conclusion**

It is found that the level of creativity of different board students in high school of Tilda block is average. Very few student of CG board are of high creativity. The mean score of creativity is approximately is same. There is no significant difference in creativity of boys and girls. There is no significant difference in creativity of different board students of high school of Tilda block. The creativity of high level is higher in CBSE and ICSE student in comparison to CG board students.

**References**


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