

A Study of Scientific Creativity of Standard-XI Students in the Context to Their Gender

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Abstract: *In this modern world of science and technology enormous changes are seen in every field in every second. To sustain in this kind of world quality of creativity in human being is must. NEP-2020 has also emphasized on this and thus to develop scientific creativity in students is must. Creativity is itself the most creative subject of education psychology. The present study was aimed at studying the scientific creativity of standard- XI science stream English medium school students of Ahmedabad city with reference to the factors of scientific creativity: fluency, flexibility, originality, elaboration and sensitivity to problems according to their gender. In this research survey method: sub-method of the descriptive research method was used. With the help of self-made scientific creativity test for pilot study, the researcher has collected data from 100 students by using stratified random sampling method. The t-value has been calculated for getting result. On the basis of t-value it is found that there is difference between flexibility and originality factors of science creativity of girls and boys of standard- XI students and there is no significant difference between fluency, elaboration and sensitivity to problems factors of science creativity of girls and boys of standard- XI students.*

Keywords: Scientific creativity, Fluency, Flexibility, Originality, Elaboration and Sensitivity to problems

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