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The present world on the whole is passing through an age of Science, Technology, Electronics and Space research. The traditional methods that were being adopted and are being adopted at present in the field of teaching school subjects are now of very little use in the sound study of these modern scientific and technological matters. As such subjects like science and mathematics require renovation in their teaching and learning. Teaching learning process that helps students to learn successfully according to their interest and abilities is a pressing need of the day.

The investigator had had many opportunities to attend various seminars and work shops on Programmed Learning conducted under the auspices of Department of Psychological Foundation, (M.C.E.R.T.), New Delhi; CASE, Baroda; and SIE, Ahmedabad.

He had gradually come to form an opinion that the programmed learning device had got in it the best potentialities to solve many of the classroom problems faced by the teachers and the students; and hence he was tempted to test its effectiveness. The present study was undertaken with this end in view.

India as well as the State of Gujarat is in bad need of such innovative practices in the field of Education, Industry, Military Education and Medicine. Thus this type of experimental study has a very wide scope. The investigator
therefore, developed auto instructional programmes in Geometry for the students of Std. IX, and undertook an experimental study of the same. In conducting and completing this experimental study, the following persons and institutions have helped and guided him a great deal. He takes an opportunity of expressing his deep sense of gratitude to all of them.

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It is hoped that this work will turn out to be of great use to the educationists, teachers and the persons specially interested in the field of programmed learning.

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