Using technology as an important issue in modern world and in educational system has recently been the focus of different researchers. Vocabulary as building block of language is an important area which demands use of technology and new ways in teaching. A large body of research has been devoted to the effect of technology in vocabulary learning. However, Iranian context has received tertiary attention for rigorous studies in this field. Considering this fact, the present study tests the retention of words by two approaches of vocabulary teaching, a) words that inferred by the use of hyperlink and b) words learned by traditional approaches, using dictionary, synonym, etc. In so doing, 24 female intermediate students from a private institute in Karaj, Iran, were chosen and divided into two groups randomly and in twelve sessions they were exposed to different appropriate texts with some unknown words. Half of the students in experimental group memorized the selected words by the use of hyperlink and the other half used the traditional methods. By the use of an exam at the end of the treatment and data analysis significant results were obtained in favor of hyperlink in comparison with traditional methods. Such results may be due to differences in the role of students, enhanced interests, and existence of interesting atmosphere in the class.