EFFECTIVE WAYS OF TEACHING PERIODICITY, PATTERNS AND THE PROPERTIES OF SOME ELEMENTS

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Many methods could be adopted in teaching science. Learning is successful when the students actively involve themselves in the lessons. The use of teaching aids has been very effective in the teaching learning process. The aids are used to impart knowledge which ensure effective learning. Out of these aids, computer plays a prominent role and Computer Assisted Learning(CAL) has been introduced into the education system of Sri Lanka to ensure effective learning. As computers have become very popular among the present students , the teachers could use them to promote learning. For teaching certain abstract concepts which are difficult in the G.C.E. Advanced Level chemistry syllabus, this method has been very useful . Further more, use of practicals along with theory brings variety into classroom situations, which would enhance learning. That too was found very useful in learning or grasping various concepts. In this research two units of the Advanced Level chemistry syllabus were taught to selected two groups of students. Experimental group was taught using the prepared package and using concurrent practicals. The control group was made to follow the lessons using only the lecture method .After teaching, the same evaluation test was administered to the two groups. When marks analyzed, it was found the use of learning package and concurrent practicals were more effective.