EFFECT OF COMPUTER BASED INTERACTIVE SIMULATIONS ON ACHIEVEMENT IN PHYSICS PROBLEM SOLVING ABILITY AND ATTITUDE TOWARDS PHYSICS OF SENIOR SECONDARY SCHOOL STUDENTS WITH DIFFERENT LEVELS OF INTELLIGENCE.

SUMMARY

The study investigated the Effect of Computer Based Interactive Simulations on Achievement in Physics, Problem Solving Ability and Attitude towards Physics of Senior Secondary School Students with different levels of Intelligence. Three Tools namely, Physics Achievement Test, Physics Problem Solving Ability Test and Attitude Scale towards Physics were developed by the investigator which is a very significant contribution in the field of educational research. Findings showed that the Physics Achievement level of students taught through Computer Based Interactive Simulations significantly improved than those taught through Conventional Instruction. The Physics Problem Solving Ability and Attitude towards Physics of the students enhanced with instruction through Computer Based Interactive Simulations as compared to Conventional Instruction.

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