



THE UNIVERSITY OF THE WEST INDIES
FACULTY OF HUMANITIES AND EDUCATION
SCHOOL OF EDUCATION
ST. AUGUSTINE

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IN-SERVICE POSTGRADUATE IN EDUCATION PROGRAMME

YEAR: 2008-2009

Curriculum Study

TOPIC: Does the use of the cooperative learning strategies Jigsaw II and Teams-Game Tournament improve Students' academic achievement and attitude towards chemistry?

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ABSTRACT

The cooperative learning strategies namely Jigsaw II and Teams-Games Tournament were chosen as the intervention to determine if a student centered approach to learning would improve the academic achievement and attitudes of a group of form 4 chemistry students. A unit on acids and bases divided into ten lessons took approximately six weeks to complete. The students were tested before and after the intervention to determine if there was any significant change. To ensure the validity of the study, quantitative and qualitative data were collected and analyzed. Quantitative data in the form of a Likert scale on attitudes, and achievement test scores were analyzed using descriptive statistics and the bivariate correlation, r . A free response questionnaire and students' journals were coded and scaled for the qualitative data.

After analysis there was conclusive evidence to indicate that there was significant improvement in the attitudes level of the class but no significant difference in the achievement level. However, it is hoped that the benefits accrued by participating in this study have moved the students' one step closer to becoming all-rounded individuals.