

**The Liberian Studies Association (LSA) 40<sup>th</sup> Annual Conference**  
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*The Use of Tegrity and Web Enhance Technologies in Teaching and Learning of Science in New Liberia*

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**Abstract**

The learning of science (chemistry, mathematics, physics, biology) has the reputation of being a very hard topic, requiring a lot of memorization (reactions, formulas, nomenclature, etc). However, recent research studies in teaching of science has shown that more learning take place when the student is actively engaged and participating in the delivery of lectures.<sup>1</sup> The ideas and concepts that are developed during these lectures are captured by the student and help to broaden their understanding of the scope of topics presented. Many approaches to this enhancement of the teaching of science courses including guided inquiry<sup>2,3,4</sup> have been developed to help increase student participation in classroom activities with the goal of increasing their understanding and mastery of the theory, concepts, mechanisms of organic reaction, formulas of equations, and synthesis of organic compounds. These innovative approaches, that stress high degrees of student involvement and conceptual learning, are expected to broaden the pool of successful learners to include underrepresented groups such as women and minorities.<sup>5</sup> The application of *web enhancement technologies/methods and use of Tegrity Tablet PC and Pen technology* to record lectures which is posted in a course management system on blackboard that can be viewed by every student will be demonstrated with the hope of providing *new directions in the Effectiveness of Teaching and learning of sciences course in new Liberia.*

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