

# BAILEY INSTITUTE

Nurturing Future Leaders and Improving Lives Through Education and Technology

## The Results Are In! Tubman University Students prove TDEP is highly effective



**The proof is in:** Bailey Institute's 2010 Technology-Driven Education Project (TDEP) raised English and Mathematics scores at Tubman University (TU), Liberia. Launched in partnership with TU in 2010, TDEP used 12 weeks of self-paced, Internet-Delivered **Learnscape**® courses and achieved 98% success with 174 TU students completing TDEP in 2010. To validate the striking results, a sample of 84 TDEP graduates re-took 2009

WAEC tests in English and Mathematics in Nov. 2010. **Results:** Average WAEC Mathematics scores rose 3 levels from 8-5 (50 to 74%); Average WAEC English scores rose 1 level from 7-6 (66-74%); Dr. Jennifer Bailey, TDEP's Project Director said, "Our TU partners overcame much to achieve these remarkable results since 93% of students had not previously used computers. TDEP changes lives." **See key for WAEC scores-Page 3, Fig. 3**

Dr. Jennifer G. Bailey, Founder

### TDEP is 100% Virtual



500 Liberian students need TDEP for university admission in 2011.  
Help/Contact: baileyjg@gmail.com

TU's 30-unit computer lab with Internet access was the home base for TDEP 2010



TDEP was delivered 100% virtually from 4500 miles away in partnership with TU staff

BI uses TOT sessions and virtual meetings.

### New Partners for TDEP



TDEP is working with Synergy, Nepal to increase literacy and foster workforce preparation.

700,000 deaf students will benefit



St. Lucia, West Indies- Literacy, workforce development and GDP growth are key goals

### TDEP reaches you where you are

Join the TDEP Partnership:  
301-733-9003 baileyjg@gmail.com

## Treasurer Craig Esty demonstrates TDEP program

On March 17, professionals from St. Lucia, Liberia and the U. S. gathered for Bailey Institute's demonstration of **Learnscape**® the digital curriculum used by TDEP. Craig Esty, treasurer, gave attendees, including the former Ambassador from St. Lucia to the U.S., Dr. Joseph E. Edmonds a first-hand look at the remarkable self-paced English and mathematics curriculum and introduced TDEP's **Hi-touch personal development program**.



**Bailey presents new roles for ICTs at Liberian Studies Association Conference**

Dr. Jennifer Bailey presented her paper, "New Roles for ICTs in Workforce Development in Liberia and Under-Resourced Countries," at the Liberian Studies Association (LSA) Conference from March 31 to April 2, in Durham, N.C., USA.

The paper focused on TDEP's success in Liberia, and demonstrated that technologies such as computers, Internet-delivered courses and trained host-country staff with good project management can improve education quicker and cheaper than any other means.

Bailey states, "As Wi-Fi proliferates in the poorest regions (Haiti, Liberia, Asia) digital education can accelerate workforce preparation, increase employment and spur GDP growth." For more information: 301-733-9003 or baileyjg@gmail.com

**Profile: Bailey Institute Intern Alexis Mott**

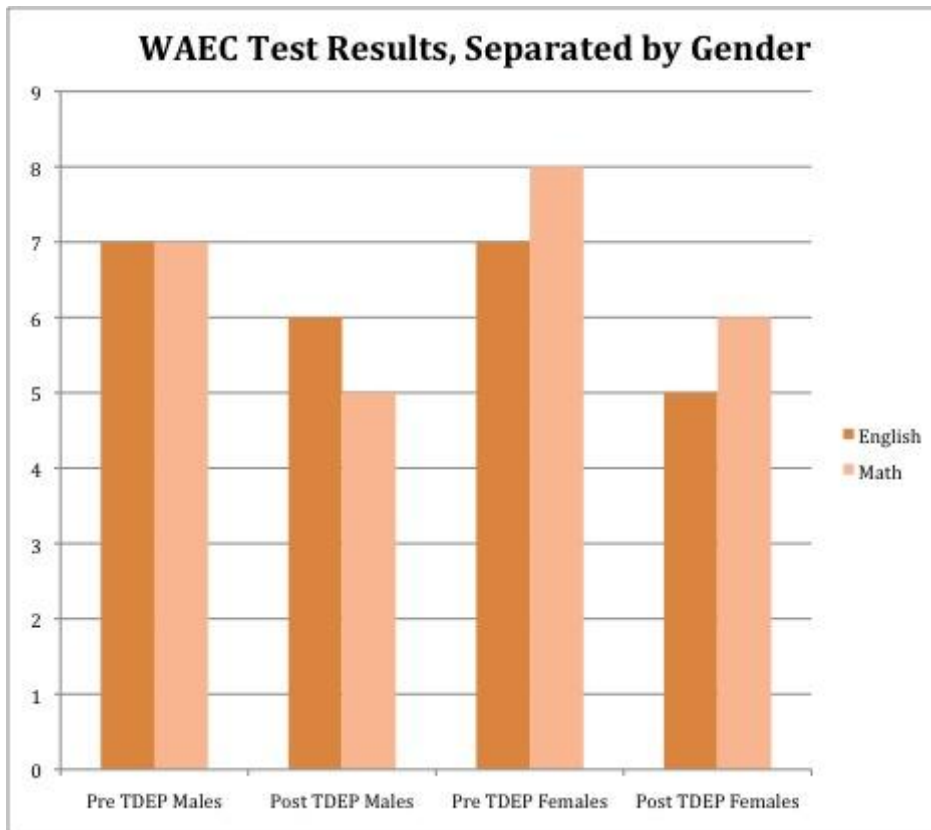
Recently, the Bailey Institute has had an extra hand around the office. University of Maryland Senior Alexis Mott, 22, is completing an internship in Social Marketing with the Institute.



**Alexis Mott**  
 Newsletter Editor  
 Questions /Comments:  
[mottalexis@gmail.com](mailto:mottalexis@gmail.com)

"I chose to complete my studies with the Bailey Institute because it allows me to get first-hand experience in Public Relations while supporting a cause I believe in," says Alexis.

In May, Alexis will be receiving her bachelor's degree in Communication with a focus on Public Relations. Alexis enjoys traveling and has visited Ireland and the Caribbean.



**Figure 1**  
**Scale:**  
 1 = Excellent  
 9 = Fail

**Females were 33% of the sample.**

\*The West African Examination Council (WAEC) conducts the official examinations in Liberia to assess the knowledge of students at the end of secondary school education.  
[www.LiberiaWAEC.org](http://www.LiberiaWAEC.org)

**Figure 1: Average Female** Post-TDEP, WAEC scores rose 3 levels in mathematics from 8 to 5 (50-74%), and 2 levels in English from 7 to 5 (66-79%); **Average Male** Post-TDEP, WAEC scores rose 2 levels in mathematics from 7 to 5 (60-74%) and 1 level in English from 7 to 6 (66-74%). See key for \*WAEC scores in Figure 2, Page 3.

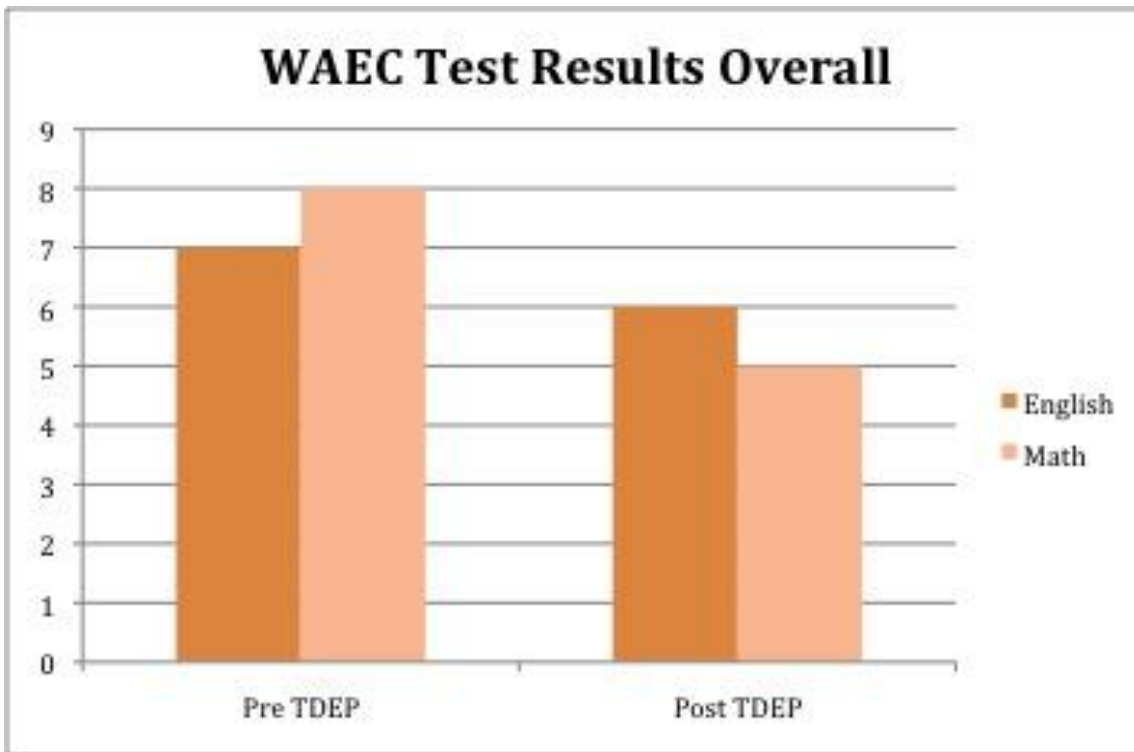


Figure 2: \*WAEC ranks performance using a Stanine Score in the range of 1-9;

- 1=Excellent
- 2=Very Good
- 3=Good
- 4, 5 & 6=Credit
- 7=High Pass
- 8=Pass
- 9=Fail

Figure 3 below, shows the numeric values for \*WAEC scores.

**Figure 2: Overall, after TDEP, students raised their \*WAEC scores an average of three levels in mathematics from 8-5 (50-74%); and an average of one level in English from 7-6 (66-74%).**

**Background:** A random sample of 84 of 144 TDEP graduates at Tubman University, Liberia, re-took the 2009 WAEC test in November 2010 to validate the role of the Learnscape® curriculum in achieving the above results. TDEP students completed 12 weeks of self-paced, Internet-delivered courses in mathematics and English in summer 2010. These data provide a comparative analysis of pre and post TDEP scores on the 2009 WAEC exam. Sample reflects a 5% margin of error and 95% confidence level.

\*The West African Examination Council (WAEC) conducts the official examinations in Liberia to assess the knowledge of students at the end of secondary school education. Ref. [www.LiberiaWAEC.org](http://www.LiberiaWAEC.org)

**Figure 3, \*WAEC - Score Interpretation**

WAEC Stanine Score	English Numeric Score	Mathematics Numeric Score
1	95-100%	90-100%
2	90-94%	85-89%
3	85-89%	80-84%
4	80-84%	75-79%
5	75-79%	70-74%
6	70-74%	65-69%
7	66-69%	60-64%
8	60-65%	50-59%
9	0-59%	0-49%