

Lincoln Foundation – Executive Summary 2011 Technology & Problem Solving Camp

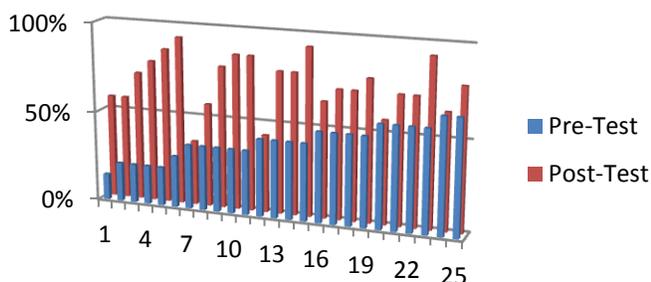
Program Description and Participants

- The primary goal of the Technology & Problem Solving Camp is “to provide activities that will reinforce problem solving skills and technology used to support core content learning.”
- This camp is a two week, three hours a day, summer camp geared toward entering eighth graders.
- Some of this year’s technology activities included using PowerPoint and Microsoft Word, keyboarding, and working with a digital camera and software.
- This year there were 31 eighth grade participants.

Gender	Number	Percent
Male	14	50%
Female	14	50%
Race/Ethnicity		
African-American	15	54%
Hispanic	6	21
White	5	18%
Asian/Pacific Islander	2	7%

Evaluation Results

- **Attendance** - The participants came from fourteen different schools (12 JCPS, 2 non-JCPS). The average number of days in attendance was 8.1 per participant with 11 students in attendance all 10 days.
- **Knowledge Growth** – There were 25 participants that had both a pre-test and a post-test. The average score on the pre-test was 41% and the average on the post-test 72%. No participant’s score decreased.



- **Survey Feedback** - The statements that were rated the highest (most “agree” or “strongly agree”) were:
 - ❖ My instructors were helpful (92%),
 - ❖ I am more confident in my technology abilities (80%),
 - ❖ I feel better prepared for next school year (72%), and
 - ❖ Time was well spent (68%).
- **Perceived Growth** - The greatest perceived growth by the participants was in “My ability to create a wiki,” “My knowledge of using wikis,” and “My ability to communicate ideas to a large group,” which were all highly statistically significant ($p < .001$).

Summary

When examining the data, the Lincoln Foundation’s Technology and Problem Solving Camp had very positive results for the Summer of 2011.

Primary Goal: At least 80% of the scholars will indicate an increase on the post-test as compared to the pre-test.

Outcome: This goal was achieved with 84% showing an increase on the post-test when compared to the pre-test. The increase on the post-test was highly statistically significant ($p < .001$).

Other significant outcomes include:

- 35% of the participants were in attendance all 10 days,
- 80% of the participants reported being more confident in their technology abilities,
- 72% agreed that they were better prepared for the next school year,
- There was highly statistically significant ($p < .001$) perceived growth with the following categories: “My ability to create a wiki,” “My knowledge of using wikis,” and “My ability to communicate ideas to a large group,” and
- All but one area addressed during the camp showed significant student reported growth and interest. These areas were knowledge of wikis, creating wikis, using digital resources, creating presentations, communicating to small and large groups, researching information, and solving problems.