

Chapter 20

Technology Use on My Campus

Diana Ramirez
School Media Specialist, USA

EXECUTIVE SUMMARY

Ms. Gonzalez, librarian/media specialist of an urban high school, is asked to prepare a presentation to explain the results of her study of the current status of technology use to a panel of campus stakeholders. The goal of the presentation is to inform the panel of stakeholders so they can develop a plan to further implement the use of technology as a teaching and learning tool on campus.

BACKGROUND INTRODUCTION

Many publications on the use of technology in K-12 schools refer to computers as simply a tool to be used in instruction. Yet as observed by many campus technology and media personnel, computer technologies are no longer simply a tool, but are teachers' present reality destined to play an increasingly important role in the future. The purpose of this case study is to gain an understanding of how technology is being used at Hamilton High School, an urban high school campus.

DOI: 10.4018/978-1-61350-492-5.ch020

Copyright ©2012, IGI Global. Copying or distributing in print or electronic forms without written permission of IGI Global is prohibited.

THE CASE

As the librarian/media specialist at Hamilton High School, Ms. Gonzalez is responsible for the upkeep and checking-out of 10 and a half computer carts, as well as oversee a computer lab within the library. She is asked by the school principal to present the results of her study of the current status of technology use to a group of stakeholders which includes district administrators, district IT staff, PTO members, and campus administrators. The goal of the presentation is to present the results and use the information as a basis to develop a technology plan that will increase the use of technology as a teaching and learning tool. As a school leader, Ms. Gonzalez will share the survey results with the leadership team and the administration for further review.

After a brief welcome and introduction, Ms. Gonzalez focuses on the core of her presentation as follows:

Sample

The sample for this current study consists of the 43 teachers who used the computer carts and/or computer lab during the Fall semester. Of the 154 teachers on the campus, 43 teachers – 28% of the staff – used computer technology at least once during the Fall Semester. The number of actual usage ranged from two teachers who used computers 25 times, to four teachers who only used computers once. Of the 43 teachers who used computer technology, 32 (74%) responded to the technology usage survey.

Methodology

The first data collected for this study came from the teacher sign-up forms located in the library. Teachers who want to use either a computer cart or the computer lab must sign up on the check out binder located on the counter. The forms are available for two week periods, and teachers sign-up accordingly. After gathering this data, a survey was sent out to the 43 teachers via e-mail (See Appendix A). An incentive of a homemade treat was offered to anyone who responded to the survey. Teachers then responded either electronically or in person. The researcher attempted to get additional participation by visiting room by room and encouraging participation. Fifteen of the thirty-two respondents participated without any prompting other than the initial e-mail message.

5 more pages are available in the full version of this document, which may be purchased using the "Add to Cart" button on the publisher's webpage: www.igi-global.com/chapter/technology-use-campus/61715

Related Content

A Data Mining Methodology for Product Family Design

Seung Ki Moon (2009). *Encyclopedia of Data Warehousing and Mining, Second Edition* (pp. 497-505).

www.irma-international.org/chapter/data-mining-methodology-product-family/10866

Soft Subspace Clustering for High-Dimensional Data

Liping Jing, Michael K. Ngand Joshua Zhexue Huang (2009). *Encyclopedia of Data Warehousing and Mining, Second Edition* (pp. 1810-1814).

www.irma-international.org/chapter/soft-subspace-clustering-high-dimensional/11064

Subgraph Mining

Ingrid Fischer (2009). *Encyclopedia of Data Warehousing and Mining, Second Edition* (pp. 1865-1870).

www.irma-international.org/chapter/subgraph-mining/11073

Adaptive Web Presence and Evolution through Web Log Analysis

Xueping Li (2009). *Encyclopedia of Data Warehousing and Mining, Second Edition* (pp. 12-17).

www.irma-international.org/chapter/adaptive-web-presence-evolution-through/10791

The Issue of Missing Values in Data Mining

Malcolm J. Beynon (2009). *Encyclopedia of Data Warehousing and Mining, Second Edition* (pp. 1102-1109).

www.irma-international.org/chapter/issue-missing-values-data-mining/10959