

Technology in the Classroom: The Impact of Technology on Educators

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EN202-02 English Composition II

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Essay #02 Proposal

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Technology in the Classroom: The Impact of Technology on Educators

This essay will propose a study focusing on the impact technology has on teachers in Saipan Southern High School. Mainly focusing on on how technology impacts their teaching strategies and lesson plans. Today, technology plays a key role in majority of a teacher's lesson plan. Printed Assignments, digitally displayed lectures, and electronic grade books are all prime examples of technology being utilized to improve the quality of education around the globe. The use of technology in classrooms can be categorized as "normal" today. However the student researcher would like to study if technology is crucial for teachers to teach and students to learn. The student researcher is requesting that this six (6) week project be approved. The student researcher has successfully located academic and non-academic sources and has found ways to use the data to better benefit the study. The methodology has been planned and scheduled accordingly pending approval from both the participants and the instructor.

The student researcher has identified three (3) academic and two (2) non-academic sources that will serve as literature for this research paper. One academic source that the student researcher believes will support this study as a whole is an academic journal titled "*The Journal of Science Education and Technology*." This particular source has been peer reviewed by multiple professors at the University of North Dakota and Cleveland State University. The journal details the many challenges of integrating technology on a mass scale and focuses on understanding a teacher's motivation, perception, and overall belief about technology in the classroom. The student researcher has also identified a newspaper article from

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one of Saipan's news paper distributor. The article titled "*Preparing NMI Students for the Tech Revolution*" details the efforts of OPEN Reef Innovations and their support in a summer technology program that high school students in Saipan could avail of. The program introduces students to modern technology such as virtual reality (VR) and coding. The student researcher believes that due to the abundant amount of academic and non-academic sources it will be more than likely this study will be completed in the given time frame.

Literature

García, B. A., & Martínez, M. M. (2017). Technology and Science Education: New Challenges. *Journal of Technology and Science Education*, 7(1), 1–4. Retrieved from

<http://search.ebscohost.com/login.aspx?direct=true&db=eric&AN=EJ1135130&site=ehost-live>

Keengwe, J., Onchwari, G. & Wachira, P. J *Sci Educ Technol* (2008) 17: 560.

<https://doi.org/10.1007/s10956-008-9123-5>

Thomas, S., Department of Education, E. O. of E. T., & American Institutes for Research (AIR). (2016). *Future Ready Learning: Reimagining the Role of Technology in Education*. 2016

National Education Technology Plan. Office of Educational Technology, US Department of Education. Office of Educational Technology, US Department of Education. Retrieved from

<http://search.ebscohost.com/login.aspx?direct=true&db=eric&AN=ED571884&site=ehost-live>

Vazquez - Variety Summer Intern, N. (2018, Aug 9). *Preparing NMI students for the tech revolution*. Marianas Variety (Saipan, Northern Mariana Islands). Retrieved from

<https://infoweb.newsbank.com/resources/doc/nb/news/16DAFF9E8C4432A0?p=AWNB>

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Wakefield, J. (2015, February 02). Technology in schools: Future changes in classrooms.

Retrieved from <https://www.bbc.com/news/technology-30814302>

In order to gather original data on this topic the student research will begin by conducting surveys on the entire teacher population at Saipan Southern High School. In addition to the teacher surveys, approximately 38 NMC students will be interviewed on their thoughts on the quality of education when technology is heavily utilized in their courses. Surveys for SSSH teachers will be conducted on campus headed by the student researcher pending approval from the administration. Following the completion of both surveys, the student researcher will begin conducting interviews on four to five SSSH teachers. The interview will mainly focus on their perception of technology being utilized in their classrooms and how has technology benefited themselves and their students. The student researcher has planned and scheduled data collection days accordingly. Due to the scheduling problems all dates and times listed are subject to change without notice. However, the student researcher was reassured by the school administration that the schedule is being reviewed and they will be contacting the student researcher as soon as possible.

The student researcher has developed a timely schedule that will determine when data should be collected and when academic research and writing should be completed. The student researcher is confident that with the inclusion of this schedule the study will be completed in the given time frame. If the study is approved it will be completed in six (6) weeks. The student researcher has taken time to contact the school administration to determine times and days teachers will be most likely available. The schedule below reflects both the teachers availability as well as the student researcher.

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Tentative Data Collection Table

Date	Time	Method	Location
May 06, 2019	12:00 AM - 12:00 PM	Teacher Survey	Administered Online (Principal will distribute survey links)
May 07, 2019	12:00 AM - 12:00 PM	Teacher Survey	Administered Online
May 13, 2019	11:30 AM - 1:00 PM	Teacher Interviews (2)	SSHS Conference Room
May 14, 2019	11:30 AM - 1:00 PM	Teacher Interviews (3)	SSHS Conference Room
DATES TBD	12:00 AM - 12:00 PM	NMC Student Survey	Administered Online (Dr. Anderson will distribute survey links)

Academic Reading & Writing Schedule

Date	Time	Reading/Writing
May 20-24, 2019	6:00 PM - 8:00 PM	Reading (Academic & Non-Academic Sources)
May 27-31, 2019	6:00 PM - 8:00 PM	Writing Introduction & Body #01
June 03-05, 2019	6:00 PM - 9:30 PM	Writing Body #02 & #03

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June 06-08, 2019	6:00 PM - 9:00 PM	Writing (Conclusion)
June 10, 2019	TBD	Peer Review (Project PROA) *See Marchie Fernandez
June 11, 2019	TBD	Edits & Final Touch ups
June 12, 2019	12:00 PM	Submission

The student researcher is passionate towards this topic and sees this study as a great way to inform readers about not just the way technology impacts students, but educators as well. This study will mainly focus on the educator's perspective and will detail their perception and beliefs on technology in the classroom. The researcher has taken time to review all academic and non-academic sources that is crucial for the completion of this study. All sources, academic and non-academic will play a key role in this study. Times for original data collection, research, and academic writing has been scheduled accordingly. Finally, the student researcher is confident that this study can be completed and submitted in six (6) weeks if the study is approved by the instructor.

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References

Keengwe, J., Onchwari, G. & Wachira, P. J Sci Educ Technol (2008) 17: 560.

<https://doi.org/10.1007/s10956-008-9123-5>

Vazquez - Variety Summer Intern, N. (2018, Aug 9). Preparing NMI students for the tech revolution. Marianas Variety (Saipan, Northern Mariana Islands). Retrieved from

<https://infoweb.newsbank.com/resources/doc/nb/news/16DAFF9E8C4432A0?p=AWNB>