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学部名国際コミュニケーション学部

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研究期間　　平成２４年度

研究課題名　Application of Technology-Based Learning Tools to Enhance Learning Environments

研究組織

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１．本研究開始の背景や目的等（200字～300字程度で記述）

The researchers wanted to promote student autonomy by having them learn how to apply web-building tools and to use this platform to increase the audience of their projects that were created in their third year projects class. Students were required to independently learn how to use the technology by watching a series of video tutorials that illustrated the various steps necessary to make a website. The goal was not to use valuable class time for instruction of how to use the software.　Also we wanted to find out how students felt about learning these skills and whether they will use them in the future.

２．研究方法等（300字程度で記述）

Over a six-week period, 24 third year students were instructed to construct a web page with five elements. Students watched a total of five tutorials and were required to add picture elements, a blog section, a return button, comment on peoples' additions to their blogs and to add written text. After the project was completed, the researchers interviewed the students to see how the tutorials were used and if there was any benefit to producing the tutorials. Students were asked to think out loud while they talked about the process that they used in making the webpage. Students were asked their feeling regarding using the technology and whether they would continue to use the software after the course.

３．研究成果の概要 （600字～800字程度で記述）

One of the key results on the application of video-tutorials was that students found them to be useful for learning new skills. It also became clear to the researchers that it was possible to use tutorials to follow a "flipped classroom" approach to the third-year project class. All 24 students in the research study were successful in completing the requirements that were explained in the video tutorials. Only two students had experience designing and building web pages before the study. However, in interviews conducted by one of the projects teacher, after the project was completed, the students overwhelmingly focused on content of their web page and did not talk about the actual process or steps that they took to produce the web pages. Many students mentioned that they at first felt that the project was too difficult for them, but that after completing the project that they had a sense of accomplishment in that they were able to autonomously learn a new skill. Most of the students however indicated that they would not share this web page with people outside of the class or to continue to build their site.   However, from evaluating the students web pages in was clear that the tutorials were useful in scaffolding students efforts to build the site. Minimal class time was used to give instruction on how to use the software. This allowed more class time for students to discuss the content of their web page and not the actual application of the technology.   The video tutorials will now be expanded to other courses in the Communicative English Program to allow more time for collaborative learning activities.

４．キーワード （本研究のキーワードを１以上８以内で記載）

①computer assisted language learning	② autonomous learning	③ Project Based Learning	④ Tasked Based Learning
⑤ Flipped classroom	⑥ video tutorials	⑦ web design	⑧

５．研究成果及び今後の展望 （公開した研究成果、今後の研究成果公開予定・方法等について記載すること。既に公開したものについては次の通り記載すること。著書は、著者名、書名、頁数、発行年月日、出版社名を記載。論文は、著者名、題名、掲載誌名、発行年、巻・号・頁を記載。学会発表は発表者名、発表標題、学会名、発表年月日を記載。著者名、発表者名が多い場合には主な者を記載し、他○名等で省略可。発表数が多い場合には代表的なもの数件を記載。）

A paper was presented at Hamamatsu JALT chapter on February 16. The topic was using computer assisted language learning in a wireless classroom. A related paper "Flipping a First Year Reading class" will be presented at the 12th annual Pan Special Interested Group conference on May 18th at Nanzan University Nagoya. The paper will be submitted in the Conference Proceeding that will be published in the Fall of 2013.   Another paper on computer assisted learning will also be submitted for presentation and conference proceeding at the Japan Association of Language Teaching International conference on October 24th and 25th at the Kobe Convention center, Portopia Kobe, Japan.