

Instructional Technology Fund

For the Instructional Technology fund, I utilized funds to purchase the full version of Socrative as an evaluation tool for my classes. I primarily focused on my PHTH 5112 course. I have been using the free version of Socrative for many years, however, the free version offered a limited number of quizzes/tests. I've also previously used Kahoot however, the free version only allows you to evaluate 10 individuals or groups. The reason I chose Socrative is that I am able to get more statistics on student evaluations and they also receive immediate feedback on their answers. To date, I was able to add 15 quizzes to my Socrative test bank and use them as both a pretest and posttest.

The Limitation is that even with a five-question quiz it takes about 10 minutes to administer. I used the pretest every time, sometimes the posttest did not occur due to time limitations. The statistics were focused on multiple choice questions. However, when using open-ended questions, there was a variety of answers making it challenging to score. I was able to pick out themes. When the students asked what my exams would be like I was able to share with them that my questions would be similar to the ones on the Socrative quizzes. I believe doing the pretest quizzes before lecture gave the students more motivation to do the required reading prior to the lecture.

In the PHTH 5112 course I had the students complete 11 pre and post-test quizzes with the goal of the students achieving an 80% correct score on the post-test as a demonstration of learning. Nine of the eleven quizzes achieved the goal of 80% or better on the post-test. Many quiz results saw a significant improvement in student scores from pre to post-test.

Quiz	Pretest	Post-test	Goal attainment
1	74%	67%	No
2	25%	83%	Yes
3	20%	80	Yes
4	82%	95%	Yes
5	71%	98%	Yes
6	48%	91%	Yes
7	0%	78%	No
8	66%	93%	Yes
9	51%	96%	Yes
10	93%	96%	Yes
11	67%	92%	Yes

Summary, while my goal of 80% correct score was achieved 82% of the time, I would have liked to see a higher score. I'm not sure if all students took the quizzes seriously but I do believe this is a good learning experience. I am teaching a summer course, PHTH 5500 and I have used the Socrative quizzes before each lecture and once as a posttest. Before the first test, when students asked what to expect on the exam, I shared that my questions would be similar to the Socrative quizzes.