

Innovations in Teaching Using Technology grant 2015

Title of Proposal:

Video Modeling: Applying iPad Technology as an Instructional Strategy for Motor Skill Acquisition for Students with Disabilities.

Courses or curriculum affected:

Teaching Concepts of Adapted Physical Education (HPE 004521). As a component of this course, the Rowan Health and Exercise Science Teacher Certification students enrolled in the course are required to participate in the Rowan University and Kingsway Learning Center (Moorestown) Physical Activity Program. In this program, Kingsway Learning Center students, ages 14-21 who have a range of disabilities, attend a one hour session twice a week and learn motor and sport specific skills and participate in dances, games, and fitness activities. The Rowan students are in the role of instructor as skills are taught and as partners when skills are applied in games, dances, and fitness activities.

Name of applicant:

Dr. Theresa Purcell Cone, Department of Health and Exercise Science

Objectives of the proposal:

Increase my knowledge and skills and the knowledge and skills of my students to apply technology as an instructional strategy for motor skill acquisition.

Develop and implement a new course assignment that uses the iPad video modeling strategy as a teaching tool for teaching closed and open motor skills. Video modeling is an instructional strategy in which a student learns to perform a skill by watching a video of a skill demonstration. The demonstration needs to represent the actual skill performed as described in a lesson. The advantage of this strategy is that the student can replay the video for multiple viewings to reference how the skill is performed.

Assess the impact of video modeling as an instructional strategy for students with disabilities to learn motor skills through video observation.

Use video modeling as an assessment tool to video the student performing the skill and compare it to the modeled skill.

The Rowan students will

This instructional strategy will be shared with the Health and Exercise Science faculty and the Kingsway Learning Center faculty as an innovative instructional strategy for teaching motor skills to all students, with or without disabilities.

Description of the Specific Innovation:

Video modeling is an instructional strategy in which a student learns to perform a skill by watching a video of a planned skill demonstration that can be replayed for multiple viewings. This strategy has been used by educators primarily to teach social, daily life, or vocational skills to individuals with autism and intellectual disabilities. As an innovative instructional strategy, video modeling is a promising practice in motor skill learning for students with disabilities. Students can independently learn to operate the iPad to view the skill and the portability of the iPad in a gymnasium or outside facility makes this technology accessible for learning.

Process of Production and Implementation:

The production and implementation of the iPad video is designed as a new course assignment that introduces iPad technology as a teaching tool for motor skills acquisition.

Benefits of Video modeling for

Video modeling can also be applied to students without disabilities and the Rowan students will be able to share their experiences through a written report and verbal presentation to students in other classes and to the Health and Exercise Science Club members.

Proposed Budget:

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| Equipment: | Apple® - iPad® with Retina display with Wi-Fi - 16GB - Black |
| Source: | Best Buy http://goo.gl/sibsZ3 |
| Quantity/Unit Cost: | 5 @ \$399.99 |
| Total Cost: | \$1999.95 |