

## **AAHPERD 2013 Handout: Technology Innovation to Promote Learning, Movement, and Adventure**

**When?** Wednesday, April 24, 2013: 3:15 PM-5:15 PM

**Where?** Convention Center: 203A

**Organizing Structure** AAPAR/Council on Facilities and Equipment

**Speakers?** Helena Baert<sup>1</sup>; Joanne M. Leight<sup>2</sup>; Derrick G. Mears<sup>3</sup>; Betty Ann Fish<sup>4</sup>; Bonnie Mohnsen<sup>5</sup>; Megan Adkins<sup>6</sup>; Patrick Fine<sup>7</sup>; Katherine Hovey<sup>1</sup>; Ken Felker<sup>8</sup>; Gary Babjack<sup>9</sup>; Emily Jones<sup>10</sup>; and Lisa Witherspoon<sup>11</sup>, (1)State University of New York College at Cortland, Cortland, NY, (2)Slippery Rock University, Slippery Rock, PA, (3)Western Washington University, Bellingham, WA, (4)SCH Academy, Philadelphia, PA, (5)Physical Education Consultant, Big Bear Lake, CA, (6)University of Nebraska-Kearney, Kearney, NE, (7)Chesterfield Elementary, St. Louis, MO, (8)Edinboro University, Edinboro, PA, (9)SUNY Cortland, Cortland, NY, (10)West Virginia University, Morgantown, WV, (11)University of South Florida, Tampa, FL

**Description** This session explores a variety of technology innovations used within physical education, sport, and recreation. New tools and ideas emerge each day and it is difficult to keep up! Experts in technology will help you become innovators by sharing the newest and most effective strategies using tools like PE apps, E-portfolio, QR Codes, active gaming, and more. In small round table sessions, participants are encouraged to share ideas, ask questions, and try out the newest tools.

### **Handout Structure:**

1. Introduction to Technology in PE (Helena Baert)
2. Introducing break out sessions (Helena Baert)
3. Break out Sessions (all speakers)
4. Conclusion (Helena Baert)

### **Instant Activity: Technology Reflection 0-5 min**

Poster Reflection

- 1) Technologies I would like to know more about,
- 2) Technologies I currently use,
- 3) circle the technologies I have never heard about.

(A little bit more time can allow for more participants to share their needs)

### **Introduction: Technology in Physical Education 10-15 min**

Helena Baert

Reasons for integrating technology in PE:

- To enhance learning
- To enhance teaching

- To add something that can't be done without the technology - eventually should lead to one of the two reasons above.

Overview and short introduction of all break-out sessions - 20 minutes each, participants will be able to do 4 sessions.

## Break-out Sessions Introductions

20 min each

Helena Baert: **Enhancing Fitness with Technologies**: Technologies that help you move: a look at the progression of fitness related technologies across K-12 - the integrated approach. Learn how to progressively introduce fitness concepts and how technology can help you! Participants will explore Pulse monitors, heart rate monitors, physical activity monitors, accelerometers, pedometers, its uses and developmentally appropriate progressions to engage students and include all.

Contact information: Helena Baert, [helena.baert@cortland.edu](mailto:helena.baert@cortland.edu), SUNY Cortland, PE Department. [Please visit my website for the handout](#)

Gary Babjack: **Assessing Movement with Video Analysis**: Videotaping & assessing movement to enhance skill performance. In this session, participants will witness airprint applications, use Coach's Eye to digitally video tape each other, and assess the performance based on a skill analysis checklist/rubric. Teachers will explain the process of how you would help your students do this in PE (K-12). Ubersense, CoachMVideo, and DARTFISH Express will be available as well.

Contact Information: Gary Babjack, [gary.babjack@cortland.edu](mailto:gary.babjack@cortland.edu), SUNY Cortland, PE/Athletics

Ken Felker: **Maintaining a Healthy Lifestyle with Fitbit** - Record movement, sleep patterns, and dietary habits to develop and maintain a healthy active lifestyle. Participants will experience the ease of Fitbit data collection, see how it has been integrated into a physical education / wellness course, and view dashboard of results.

Contact Information: Ken Felker, PhD - Professor ([felker@edinboro.edu](mailto:felker@edinboro.edu))  
Edinboro University - Health & Physical Education Department

**Handouts** - All handouts are available under the *AAHPERD 2013 Handouts* link at: [http://www.edinboro.edu/departments/hpe/hpe\\_faculty\\_info/ken\\_felker.dot](http://www.edinboro.edu/departments/hpe/hpe_faculty_info/ken_felker.dot)

Bonnie Mohnsen - **Instructional software/electronic portfolios** and their role in online physical education, flipped instruction, and traditional settings. A variety of instructional software and grade level electronic portfolios will be demonstrated. Information on how to use the resources also will be provided. Links to demonstration software will be provided.

Lisa Witherspoon - **Technology Driven Physical Activities** - Implementing active gaming

using developmentally appropriate practices. Participants will learn the common appropriate and inappropriate practices currently faced when incorporating these activities in the curriculum. Participants will also experience a hands on activity with a new kind of “Funky” cone.

Emily Jones - **Using Digital Photography to Support Collaborative Learning** - A picture is worth a thousand words! Empowering students to critically view and capture movement, social interactions, and physical activity environments can provide an alternative way to evaluate understanding, knowledge, and the ability to work collaboratively. Participants will capture, edit, print, and organize digital photos to create skill performance task cards, comic strips, and scavenger hunt maps. Activities are suitable for learners of all developmental levels.

Contact Information: Emily Jones - Assistant Professor ([emily.jones@mail.wvu.edu](mailto:emily.jones@mail.wvu.edu))  
West Virginia University - Department of Coaching and Teaching Studies  
Handout is attached separately

Patrick Fine, Ed.D., NBCT - Chesterfield Elementary [finpatrick@rockwood.k12.mo.us](mailto:finpatrick@rockwood.k12.mo.us) **Using Student Response Systems for Assessments.** Grading student work has never been easier. Participants will learn the most efficient ways to assess using “clickers”. Formative and summative assessments will be discussed and time will be given to practice each method.

Betty Ann Fish with Joanne Leight **iPads - Uses and apps for physical education.** Explore various apps for productivity and see how the iPad is being used in PE programs from PK to college. Come try out show me and explain everything to assess student learning and evaluate student performance.

Derrick Mears, Ph.D., A.T.C. Associate Professor of Teacher Education Western Washington University [derrick.mears@wwu.edu](mailto:derrick.mears@wwu.edu) **Using Mobile Technology for Assessment**-With the infusion of mobile technology into education and society, the ability of teachers to more effectively assess student learning in the content teaching can become a seamless process. In this session participants will be shown web-based, desktop based and mobile applications that can enhance the assessment of not only students in K-12 physical education settings but teacher education candidates as well. Additional handouts available at [www.derrick-mears.pbworks.com](http://www.derrick-mears.pbworks.com)

Megan Adkins: **Flipping the classroom with Apple Technologies** Apple Mania! Flipping the classroom with Apple Technology. Participants will learn and develop a flipped lesson, become acquainted with tools available from Apple (iBook Author, iTunes U, iPod/iPad apps) and understand how flipping the classroom can move past merely watching videos.

Contact Information: Megan Adkins, PhD -Assistant Professor, Apple Distinguished Educator, University of Nebraska- Kearney- HPERLS Department

**Twitter:** MeganAdkinsPE

**Handouts** - All handouts are available under the *AAHPERD 2013 Handouts* link at:

<https://sites.google.com/site/ipetechnologies/>

Aaron Hart: **Using instructional videos as classroom management tools.** Participants will view a variety of SPARK Instructional Videos designed to help teachers manage instruction and optimize instructional time. Resources from SPARK Middle School and High School PE programs will be presented.

Contact Information: Aaron Hart: [aaron.hart@cortland.edu](mailto:aaron.hart@cortland.edu); Development Director, SPARK; Lecturer, SUNY Cortland; [www.sparkpe.org](http://www.sparkpe.org)

Kate Hovey: **Navigating using GPS & QR codes** Progressions for teaching navigation using an iPad/iPhone. Participants will learn how to make and use QR codes in conjunction with a compass and will explore GPS applications that can be integrated into a PE curriculum.

Student Assistants from SUNY Cortland:

- Kyle Roberts
- Rachel Abrams
- Lesley Turner
- Richard Berkowitz ([richard.berkowitz@cortland.edu](mailto:richard.berkowitz@cortland.edu))
- David Vistocco

## **Conclusion**

Thanks to participants, presenters, and volunteer students!

Wrap up / door prizes