



National Center for Simulation

EDUCATION AND WORKFORCE DEVELOPMENT COMMITTEE

MEETING MINUTES

1 May 2013

Members Present: Dr. Anya Andrews (Erudition), Lee Barnes (CFSEC), Elizabeth Burch (NDIA), Ashley Chalk (Legoland), Dr. Frank Curcio (SCPS), Dr. Kim Dahl (SCPS), Perry Dunn (ATT), LeShanda Dupari (FBI), Arlene Flores (NAWCTSD), Jason Irving (Simstaff), Scott Kidd (AGNISTEM), Harvey Levine (Self), Thomas McNabb (OCPS), Vanessa Moosavifazel (SCPS), Kathryn Neel, Sara Oates (FBI), Hank Okraski (NCS), Dr. David Olsen (DRC), Dr. Donna Poniatowski (SCPS), Janek Poniatowski (FSU), Caitlyn Ralph (Student-SCPS), Elaine Raybourn (ADL CoLab), Kristina Robinson (OCPS), Benjamin Saro, Ed Seigo (Contr), Sunny Simmonds (NAWCTSD), Abdul Siddiqui (PEOSTRI), Eddie Smith (In cose), Kimberly Stuvlie (OCPS), Carol Tingley (OCPS), Colleen Wihmuss (Legoland), Lanny Wood (OCPS), Mark Zeiler (OCPS)

Meeting agenda is attached. Meeting minutes and slides are posted on the NCS website:

www.simulationinformation.com

Activities and Discussions:

A. Status of Ed&WD Committee Activities

Hank Okraski, Committee Chairman, reported on the most recent activities of the committee. This ranged from school and other visits, participation on advisory boards, status of proposals, the newly-formed Central Florida STEM Education Alliance, NAWCTSD presentation on Engineers' Week and participation at the Florida Engineering Education Conference.

B. Federal Bureau of Investigation (FBI) Student Safety Programs

Ms Leshanda DuParl and Special Agent Sarah Oates presented important information regarding the initiatives of the FBI Tampa Office, specifically the Safe Online Surfing (SOS) program for student internet safety and the FBI's Child ID App project. These are both excellent programs available to all. The SOS Program (Grades 3-8) covers Protecting Personal Information, Online Predators, Cyber Bullying, Instant Messages and Social Networks. The Child ID App contains a description of your child in your i-Phone or other instrument (not in a central data base anywhere). You can immediately notify law enforcement agencies of your missing child. For more information, go to:

<https://SOS.fbi.gov>

See the presentation on the NCS website for the full briefing.

C. Education Programs Featured at Legoland Florida

Ms Ashley Chalk and Ms Colleen Wihmuss described the various education programs available at Legoland at Winter Haven, Florida. Legoland education programs include:

Incorporates STEM and Next Generation Sunshine State Standards
Standards are based on grade level
45 minute sessions
Includes full day admission to Legoland
Self-guided available
Download full resource guides from Florida.LEGOLAND.com/Education
School field trips are held from Sept through May. Cost is \$8.00/student.
Also, Legoland is looking for industry and other partners to carry out their Education Program.
Call 1-877-350-LEGO

D. All-Digital Middle School in Orange County

Mr. Mark Zeiler, Corner Lake Middle School (Orange County, Florida) described the conversion of that school to an all-digital format. This involves changing their mission, integration of the arts, a new classroom prototype with wifi, student laptops for every core academic class, no textbooks, workbooks, etc and electronic portfolios. The conversion is not without challenges but the school (and county) are moving forward with the conversion plan.

E. Middle School Mentorship Program

Elizabeth Burch, Carol Tingley and Kris Robinson reported on the status of the Legacy Middle School Program. NCS and the local chapter of NDIA are working with Legacy Middle School in Orange County to provide mentors for their STEM Program. Dr. Lyn Smith, Legacy Middle School, is the school POC. The program is moving along nicely considering this is the first year it is being attempted. Later in the program, Elaine Raybourn (DoDCoLab) invited the mentors and faculty to meet at the CoLab for possible involvement in the research she is conducting. This shows much promise for continuing efforts.

F. High School M&S Curriculum

Dr. Dahl reported that the framework is still under review at Seminole County and there may be more additions to it before it goes to Florida DoEd. The curriculum is on the NCS website and available for all to use. (www.simulationinformation.com)

G. High School Science Fair Project

Ms Caitlyn Ralph, a Junior at Oviedo High School, reported on her award-winning project, “ The Effects of a Web-based Application on the Cognitive Processing of Students”. This is a part of a 3 year study on adding technology into traditional classrooms. (See presentation attached)

H. New Business

We have begun to plan for a Teacher Seminar in 25-26 September 2013. Teachers from Orange and Seminole Counties (and others) will participate in a two-day seminar on Modeling and Simulation where they will be given in-depth instruction on what will be

necessary to teach the new M&S Curriculum. Counties will identify the teachers to attend. Lockheed Martin will host the seminar with NCS and NDIA funding the event.

Also late in September, The Lou Frey Institute is planning a Seminar on Modeling and Simulation at UCF. This event, held twice a year, draws between 600-800 students from all over the state. This seminar is being planned to coincide with the NCS 20th anniversary.

Abdul Siddiqui (PEO STRI) reported on the upcoming PEO STRI Internship as follows:

We will have 22 students from 5 local high schools participating this summer. UCF-IST will be facilitating the lab space for our internship. Tentatively the following is the schedule:

Mondays 8:00 AM to 12:00 Noon (June 17-Aug 5)

On July 15 and 22, The teams will be designing and fabricating on the MakerBot for their robot arms and on Aug 5 the final test of the Super SeaPerch will take place at the Lyman High School pool.

Elaine Raybourn (ADL CoLab) offered an opportunity for students to participate in educational research in her laboratory. This seemed like a great follow-on to the mentorship initiatives we have underway. A follow-on meeting is being scheduled involving DRC, Legacy MS, NCS, NDIA, etc.

Henry (Hank) Okraski (SES-Ret),
Chairman, NCS Ed&WD Committee

