

Tap-Swipe-Pinch into STEM / Digital STEAM

Agenda for Euneos teacher training course in Tallinn April 15 - 21, 2018

Course organizers:

Mart Laanpere, Ph.D. senior research associate in the Institute of Digital Technologies, Tallinn University (+372 5278 437, mart.laanpere@tlu.ee)

James Sunney Quaicoe, Ph.D. student in the Institute of Digital Technologies, Tallinn University (+372 5550 9768, paasanni@tlu.ee)

Course venue:

Centre for Educational Technology, Room A-402

Address: Tallinn University, Narva Road 25, EE-10120 Tallinn, Estonia

SUNDAY, April 15

Venue: The lobby of Tallink City Hotel

<http://www.tallinkhotels.com/tallink-city-hotel>

Contact: James Sunney Quaicoe, +372 5550 9768, paasanni@tlu.ee

17:00-18:00 Welcome and introduction. Getting to know each other, expectations. Overview of the apps to be used next week. Questions and suggestions, individual guidance and support.

MONDAY, April 16

Venue: Tallinn University, Centre for Educational Technology (Room A-402)

Contact: Mart Laanpere, mart.laanpere@tlu.ee, mob. +372 5278 437

9:30 Gathering in the lobby of Terra building of the Tallinn University, address: Narva maantee 25 (right next to tram stop).

9:40 Introduction to the course, overview of educational system in Estonia (Mart Laanpere)

10:00 Introduction of participants. Presentations of schools by participating teachers, their best practice and future plans with tablets in the STEM classroom.

11:00 Break

11.30 Visualising innovative learning scenarios for BYOD classrooms (Mart Laanpere)

12:30 Lunch in the university cafeteria

13:30 Setting up a Personal Learning Environment: Google Drive, Evernote, EdShelf, Eliademy (James Sunney Quaicoe)

15:00 Break

15:30 Creating interactive exercises with tablets and H5P. (Mart Laanpere)

17:00 Debriefing and reflecting

TUESDAY, April 17

Venue: Tallinn University, Centre for Educational Technology (Room A-303)

Contact: James Sunney Quaicoe, mart.laanpere@tlu.ee, mob. +372 5278 437

9.30 Game-based environmental outdoor education: designing and testing a location-based adventure game. (Mart Laanpere)

12:30 Lunch at the restaurant Wiegand

13:30 Facilitating learning with tablets in a science museum (James)
14:00 Science show presented by the staff of Energiakeskus
15:30 Designing inquiry-based learning in science museum (James)
17:00 Debriefing and reflecting.

WEDNESDAY, April 18

Venue: Tallinn 21 School and Gustav Adolf Gymnasium

Contact: James Sunney Quaicoe

9:20 Meeting in front of Tallinn 21 School (address: Raua 6, <http://21k.ee/>)
9.45 Welcome and introduction by principal
10:00 Visiting four STEM lessons in primary and secondary school (in 4 groups)
11.45 Roundtable discussion with the vice principal and two STEM teachers
12:15 Lunch at the school cafeteria
12.45 Bus transfer to Gustav Adolf Grammar School, GAG (www.gag.ee)
13:30 The use of tablet computers at GAG (Ingrid Maadvere)
14:00 Guided tour in the school (pupils of GAG)
15:00 Coffee break
15:30 Workshop: Tablets in chemistry lesson (Katrin Soika, chemistry teacher)
17:00 Debriefing and reflecting.

THURSDAY, April 19

Venue (afternoon): Tallinn University, Room A-303

Contact: James Sunney Quaicoe

9:30 Meeting in front of the Old Town Hall (Raekoda)
10:00 Paper-making workshop in the Ukrainian Cultural Centre (www.ukk.ee)
12:30 Lunch at the university cafeteria
13:30 Collaborative learning on environmental dilemmas (Kai Pata, PhD)
16:00 Debriefing and reflecting

FRIDAY, April 20

Venue: Tallinn Science School (real.edu.ee)

Contact: James Sunney Quaicoe

9:30 Meeting in the school lobby, welcome by the principal Mrs. Ene Saar.
10:00 Visiting lessons
12:00 School lunch
12:30 Workshops conducted by Reaalkool teachers.
14:30 Walk to Tallinn University, coffee break.
15:30 Final presentations of the group projects. (Mart Laanpere)
17:00 Debriefing and reflecting.

SATURDAY, April 21

Venue: Tallinn University, Astra building, room A-402

Contact: Mart Laanpere, mart.laanpere@tlu.ee, mob. +372 5278 437

10:00 Individual tutoring: elaborating favorite topic of course, extra training for capabilities to work as trainers and on implementing course ideas in education.

13:00 Individual work: final feedback of the course and evaluation. Presentation of certificates, presenting follow-up activities.

15:00 Final session. Follow-up and networking.

16:00 Closure.