

NordNICE Workshop: Computational thinking in Practice in Primary Education – Halmstad March 1-3, 2017

The goal of this workshop is to highlight, discuss and work with some of the practical aspects of introducing computational thinking in primary education. The target audience is both the NordNICE partners and teachers interested in computational thinking in primary education. The program includes visits to three schools that have been working with computational thinking and programming with their pupils and presentations of concrete activities aimed mainly at teachers.

Venue

The main venue for the workshop is DLC at Halmstad University (Kristian IV:s väg 3, 301 18 Halmstad).

Cost

The workshop is free of charge.

Registration

Please register at <https://goo.gl/forms/xngX6URUHj0v7OS03>. The registration deadline is Feb 24.

Program

Wednesday March 1

- 13.00-13.30 Introduction, Arnold Pears
- 13.30-15.00 Presentation and discussion about survey
- 15.00-15.30 Coffee
- 15.30-17.00 Presentation and discussion about future applications
- 17.00-17.30 Concluding remarks
- 19.00-21.00 NordNICE partner dinner, restaurant Bulls TBD

Thursday March 2

- 08.00 Pick up at hotel, project partners and teachers
- 08.30-10.00 Introduction and visit Trönningeskolan, Grade 5 *Tinkercad create 3D design of my own room at home*, Grade 8 *Arduino in the subject technology*
- 10.30-12.00 Visit Eldsbergaskolan, *Programming integrated in different subject knowledge*
- 12.30-13.15 Lunch, Söndrumsskolan
- 13.15-15.00 Programming *Kojo och code.org* Grade 9, Söndrumsskolan
- 15.00-15.30 Transportation and coffee
- 15.30-17.30 Visit DLC
- 19.00- Dinner restaurant Verona

Friday March 3

Two parallel tracks, one for teachers and one for school leaders

Teacher Track (both in English and Swedish)

- 09.00-11.30 Micro:bit, Niels Swinkels, (English)
- 09.00-11.30 "Build your own robot!" Återbruken Returen, (English/Swedish)
- 09.00-11.30 Minecraft, Felix Gyllenstig Serrano, (Swedish)
- 11.30-13.00 Lunch

13.00-15.30 Minecraft, Felix Gyllenstig Serrano, (English)

13.00-15.30 Micro:bit, Niels Swinkels, (Swedish)

School Leader Track (Swedish)

09.00-09.30 Digital Competence and Programming in the New Swedish Curriculum, Fredrik Heintz (Linköping University)

09.30-10.00 School and learning in a digital world, Anna Carlsson and Johanna Karlén (SKL)

10.00-10.30 Coffee

10.30-11.00 Leda digitalt utvecklingsarbete, varför, vad och hur?, Malin Frykman (Kungälv kommun)

11.00-11.30 Kompetensutveckling och kollegialt lärande i en digital värld, Linda Mannila (Åbo Academy/Linköping University)

11.30-12.00 Discussion

13.30-15.00 Possible visits at DLC