

EDUCATIONAL ROBOTICS IN PRESCHOOL AND PRIMARY EDUCATION

Monday, 15.07

- 10:00 - 10:10 Welcome to the course - Janika Leoste
- 10:10 - 10:45 Changed the learning concept - prof Tobias Ley
- 10:45 - 11:30 Short overview of Estonian Educational System - Tiia Õun
- 11:30 - 11:45 Break
- 11:45 - 13:15 Seminar and workshop about using BeeBot robot

Home reading:

An article by Tobias Ley; an article by Tiia Õun; an article about using BeeBot robot in education

Tuesday, 16.07

- 10:00 - 10:45 Reflecting on the articles
- 10:45 - 11:30 Seminar and workshop about using Ozobot robot
- 11:30 - 11:45 Break
- 11:45 - 13:15 Seminar and workshop about using Dash robot

Home reading:

An article about using Ozobot robot in education; an article about using Dash robot in education

Wednesday, 17.07

- 10:00 - 10:45 Reflecting on the articles
- 10:45 - 11:30 Seminar and workshop about using Lego WeDo 2.0 robot
- 11:30 - 11:45 Break
- 11:45 - 13:15 Visiting Robotics EduInnoLab in Kullatera kindergarten or Robotics EduInnolab in Tallinn 21st School

Home reading:

An article about using LEGO WeDo 2.0 in education; an article by Janika Leoste about using robotics in mathematics in basic education

Thursday, 18.07

- 10:00 - 10:45 Reflecting on the articles
- 10:45 - 11:30 Seminar and workshop about using Edison V2.0 robot
- 11:30 - 11:45 Break
- 11:45 - 13:15 Preparing the home assignment - selecting topics for a short essay about using robots in education

Home work:

An article about using Edison robot in education; selecting a topic for the final essay assignment

Friday, 19.07

- 10:00 - 10:45 Reflecting on the essay topics
- 10:45 - 11:30 Collaborative design of a robotics mathematics playfield or lesson plan for

kindergartens or for primary schools

- 11:30 - 11:45 Break
- 11:45 - 13:00 Presentations of the design assignments
- 13:00 - 13:15 Closing notes