Make IT Happen

2018-2019



Development leader Tina Sundberg

Associate Professor of HCI Teresa Cerratto Pargman





Lifelong skills development, Gröna Kronoberg (regional development strategy)



Teachers' needs for further education, dialogue with school leaders and principals



Programming - new area for most teachers



Long collaboration with Linnaeus University



Main objective (long term)

According to the Swedish National Agency for Education, 52% of the country's technical teachers are qualified in

Provide all students with increased knowledge of computer science and on the importance of programming for community development, entrepreneurship and technology development.

Increase the number of applicant students to IT-intensive education at high school, such as engineering, electricity and energy programs. Change youth attitudes to programming, increase the interest of girls.



Objectives



Increase the number of teachers who use the possibilities of programming in different subjects and in classroom education.



Enhance understanding and use of programming skills in the classroom.



Teachers implement gender perspective in teaching with regard to ICT and programming skills.



Increase student participation in technology in general and programming skills in particular.







Activities

Lectures and workshops

Scientists visits

Seminars

Courses in Python

Workshops and lectures on Digital Competence Day week 44













Unplugged





91

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Om sidan

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31

Analog programmering är ett bra sätt att lära sig programmeringens olika ord och begrepp. Berlt Svensson har samlat material som enkelt visar vad programmering är och hur det kan fungera. Sidan innehåller lektionsförslag som kan användas i klassrummet.

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Robots













Digital resources – block programming





Digital resources – text programming







Our region

8 municipalities400 teachers51 schoolsschool classes





Municipalities - weeks in the project





Content

Reference group in each municipality.

4 gatherings in each municipality.

From analog to digital coding, with blocks and text.

Alternation between theory and practice.

Lesson plans, tutorials and materials online (Google/Microsoft).

Collegiate learning with presentations and discussions.

Regional workshops with Linneus University and The Museum of Technology.



Challenges







School subject-matter integration

Help teachers to design their own lessons

Help teachers to become part of a community of practice around programming



Film : Redraw the balance

https://www.youtube.com/watch?v=qv8VZVP5csA&feature=emb_logo

