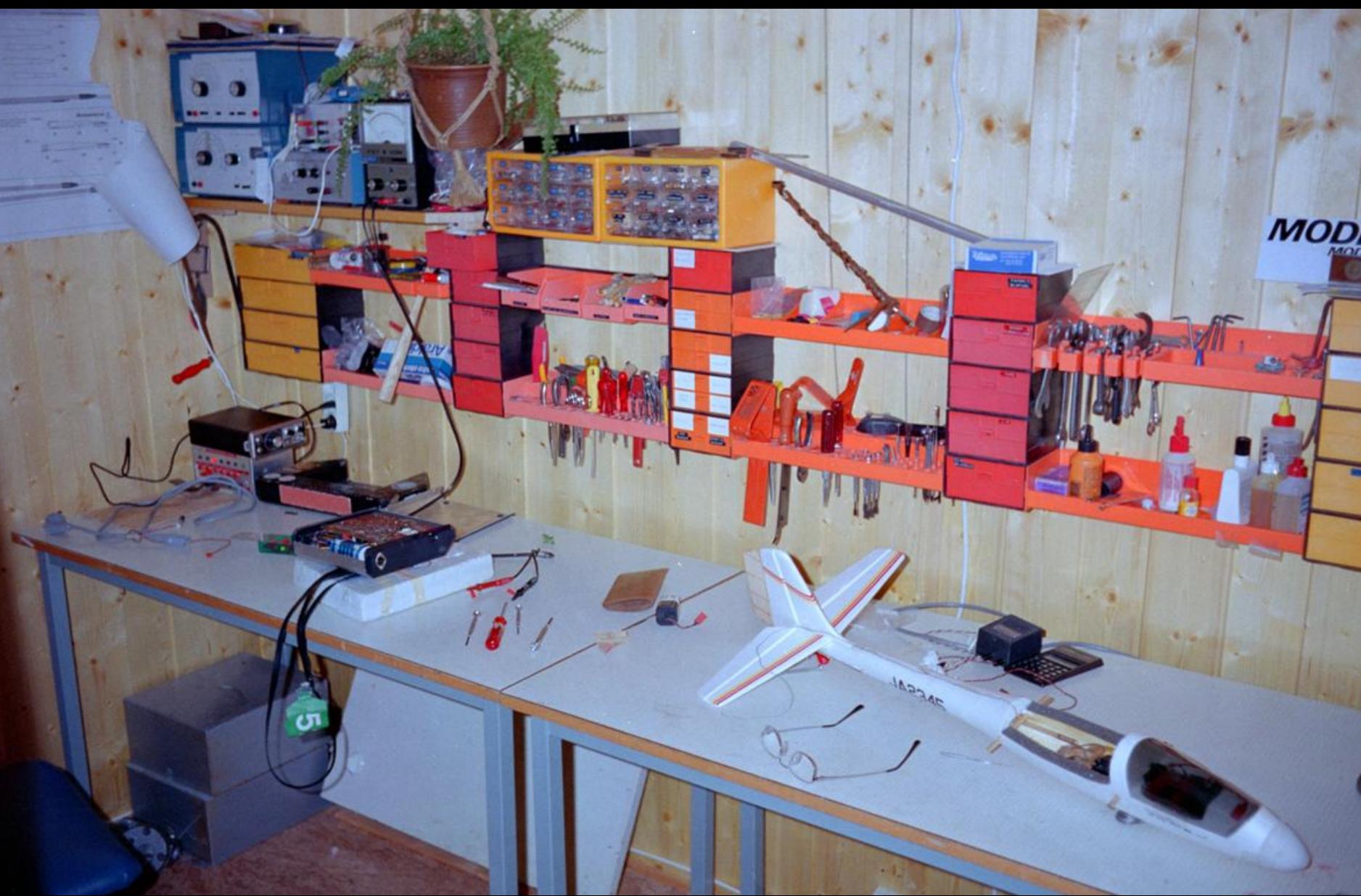


Ungomsskoleelever som instruktører i programmering:
La ungdommen undervise kidsa!

Torbjørn Skauli

Romsås 1973







New Scientist 2008



Creating a computer game is child's play

02 August 2008 by [Nic Fleming](#)

TWO young girls focus on a monitor in front of them as one of them steers a blue dog through a bright pink and purple tunnel using a computer mouse. Against a background buzz of classroom noise, a boy nearby is guiding an animated Mini Cooper car around a simple on-screen maze.

There is nothing unusual in 10 and 11-year-olds playing computer games, but the pupils at St Mary's Church of England Primary School near Wolverhampton in the UK are no mere gamers. They are testing games that they have designed and programmed themselves to help even younger children develop computer skills.

The children are the latest members of a rapidly expanding global community using a new programming language called Scratch to create interactive stories, animations, videos, music and games. "We saw a real gap for children today," says Mitchel Resnick at the Massachusetts Institute of Technology's Media Lab, who came up with the idea for Scratch and leads the team that runs the project.



Astrofestivalen 2008



Granittrock 2009

Lag ditt eget dataspill

FFI
Institutt

VITENSENTERET
Teknisk museum



Pilotkurs med Forskerfabrikken 2011



San Francisco Maker Faire 2012



Forskingstorget i Oslo 2012



Årvoll SFO

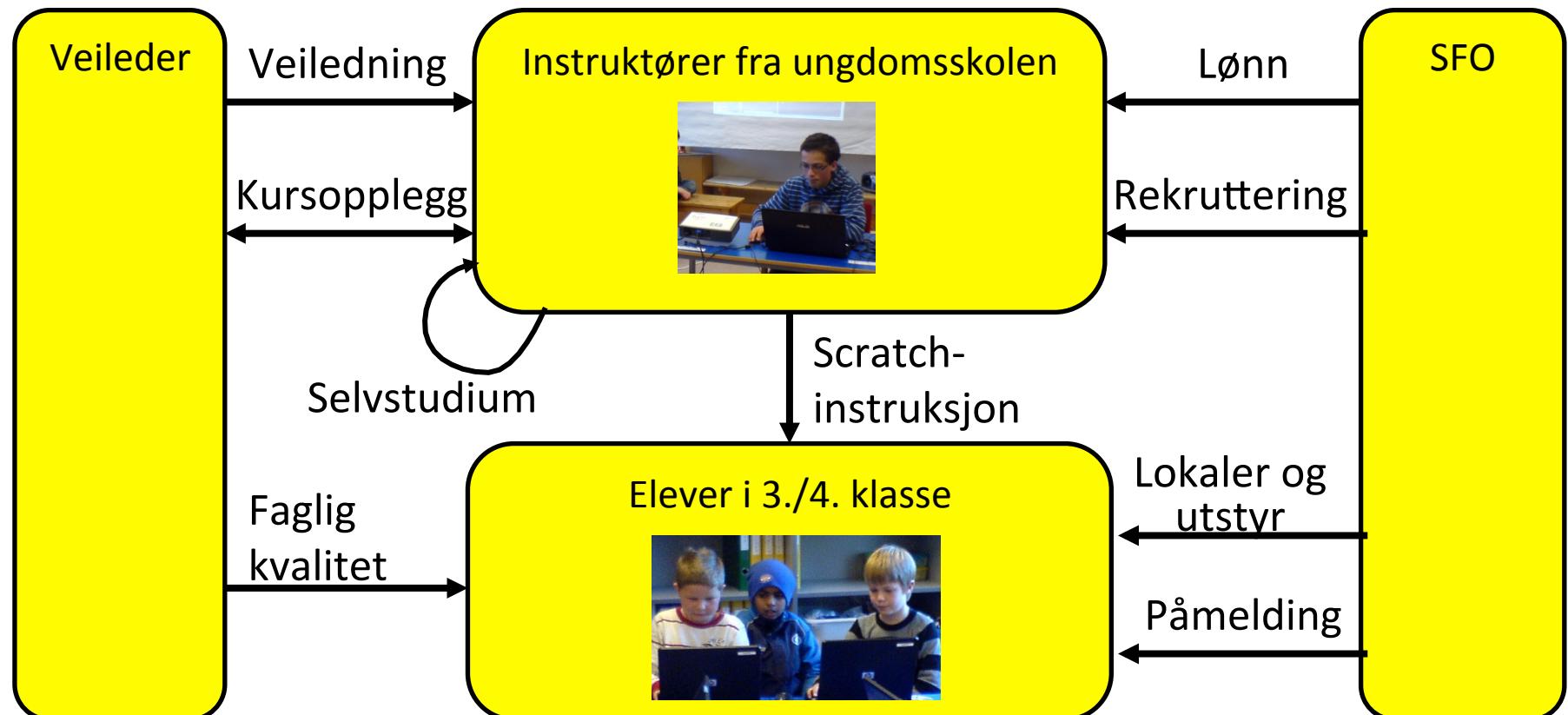


Årvoll SFO



Årvoll SFO

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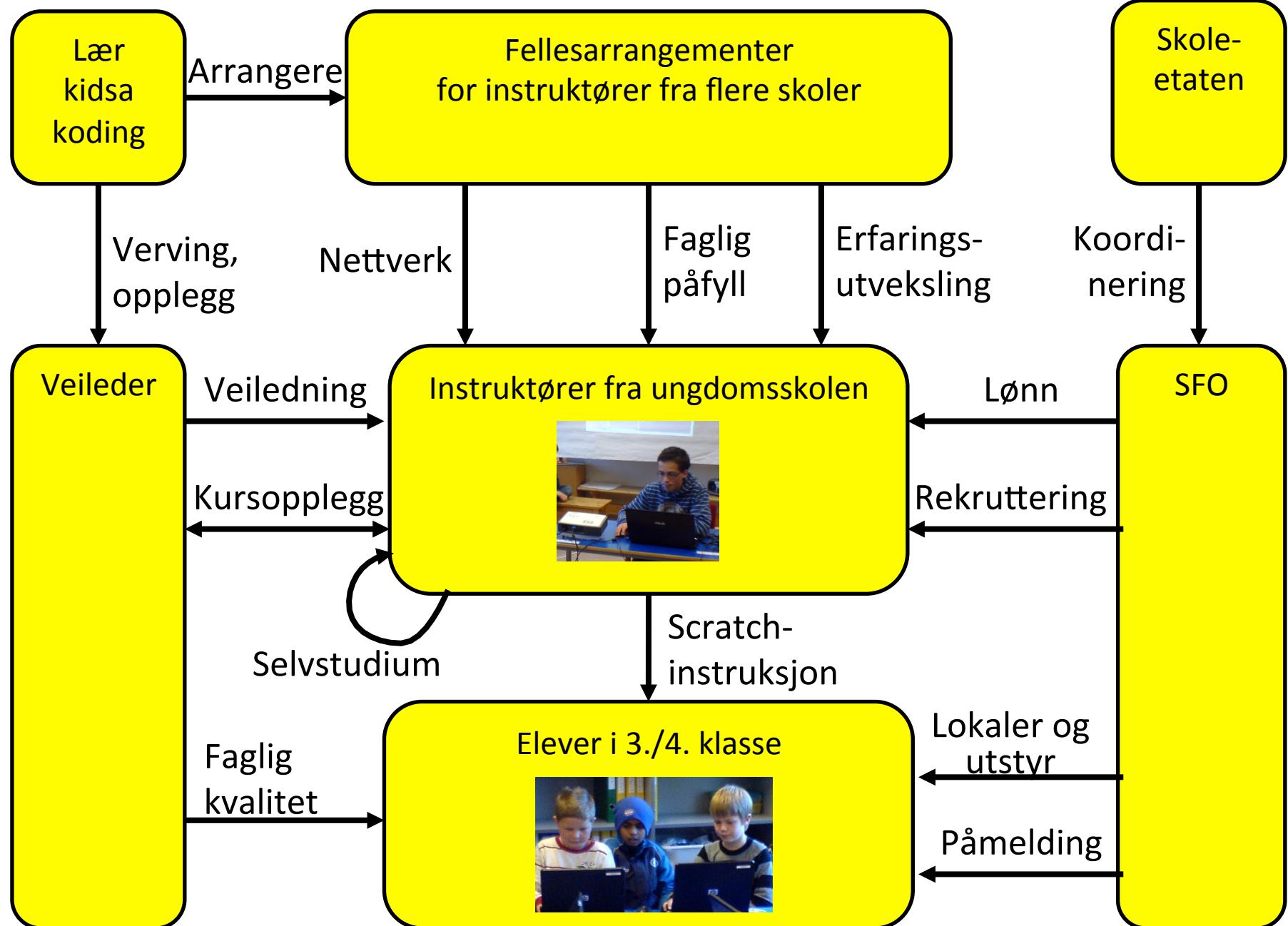
Hva koster kurs for Oslos 4.-klassinger?

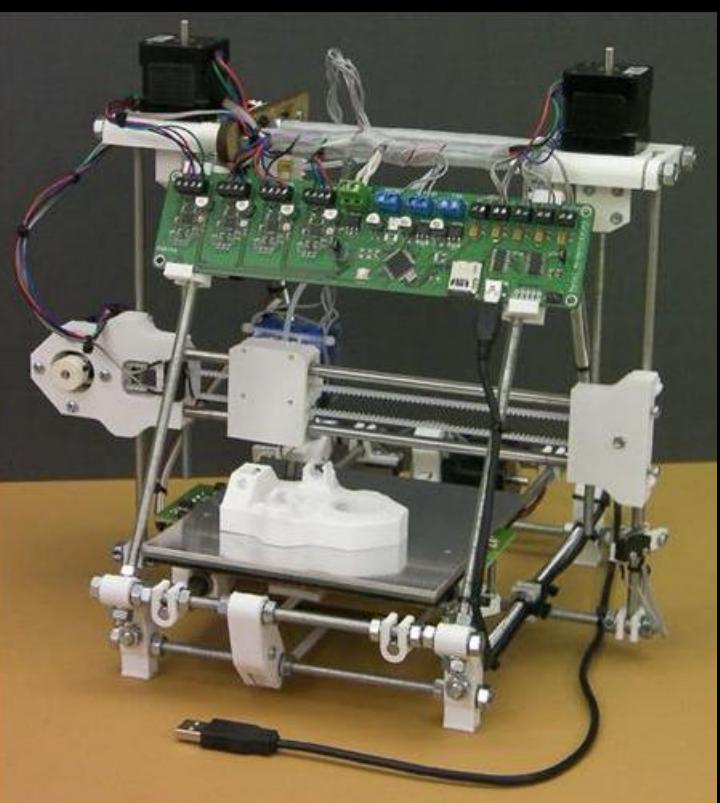
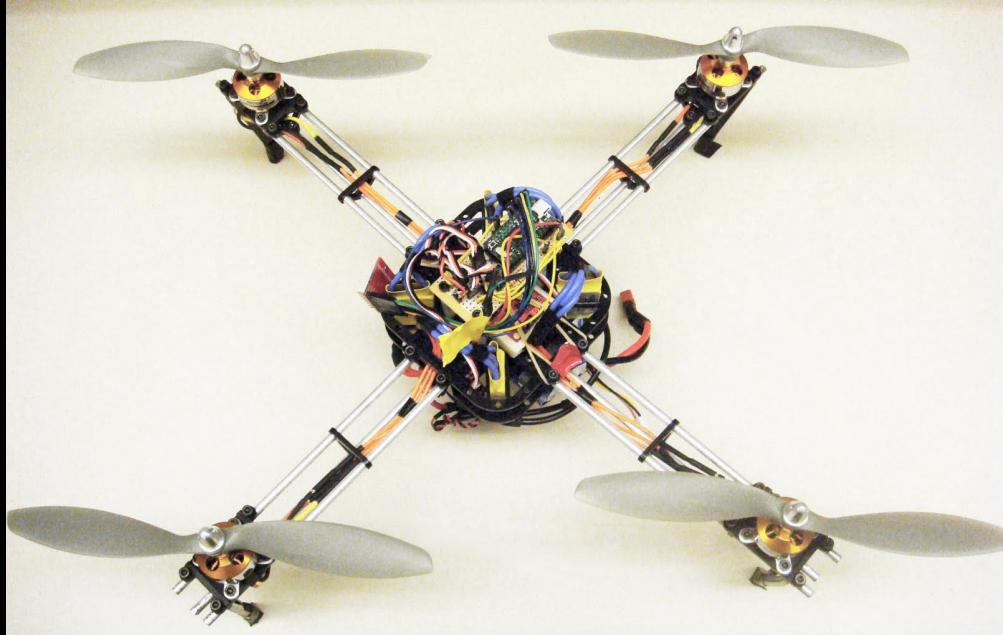
- Anta
 - veiledning fra frivillige (evt. lærere)
 - bruk av skolens datautstyr og lokaler
 - alle 6000 fjerdeklassinger tar kurs
 - 4 elever per instruktør
 - 5 timer per kurs
 - lønn etter statens satser: 120 kr brutto per time
- Totale utgifter til lønn: 900 000 kroner per år
- Dette er et veldig billig tiltak!

Kan vi skaffe nok folk?

- Anta
 - 6000 fjerdeklassinger
 - 4 elever per instruktør
 - Hver instruktør er med på 4 kurs
- Vi trenger 375 instruktører,
ca. 1 per 50 elever i 8. til 10. klasse
- Oslo har 100 barneskoler
- Vi trenger opptil 100 veiledere
- Dette kan vi få til!







Oppsummert: Vi bør prøve dette!

- Kursinnhold: bare elementær programering
- Kan vi finne nok kvalifiserte instruktører?
- Vi kan introdusere programering til mange barn og vise dem en vei videre på fritiden
- Vi skaper et tilbud til faglig flinke ungdommer
- Vi bør klare å mobilisere veiledere
- Tiltaket er veldig billig