

# Revisiting the Dynabook concept

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# About me

- Educator in public school, Geneva, B.Math, Ma.Ed
- Computer scientist, Ma.CS, PhD.CS
- Free software enthusiast and user since 1998
- And of course, Smalltalk user since 2002

# Contents

- 1 Why this presentation?
- 2 In essence, what is Dynabook?
- 3 Changing the Point of View

# Cashier machine for education

- The Dynabook is still only a concept
- In school, dynamic numeric tool mostly not used
  - ⇒ observe the other sectors of the society

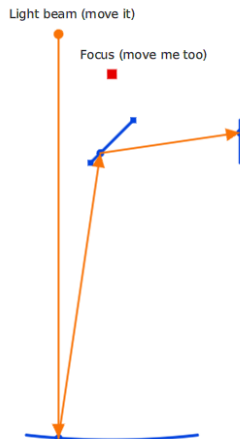
# To get you involved

- Educator, professor
- Benefactor
- Student at university
- Economist
- Software developer
- Project manager
- Hardware specialist
- Designer
- System administrator
- ...

# Dynamic model of knowledge the learner can operate on

# Dynamic model of the *Newton Telescope*

The learner can operate a different level of knowledge light beam, focus point (change the mirror curve)



# Teacher

What is a teacher?

- Yes, an educator. Manipulating, designing, sharing knowledge.  
⇒ Library of dynamic knowledge models, scriptable with a DSL and/or GUI (think Dr. Geo)
- ... but also a manager
  - managing student
  - managing assignment
  - managing grade
  - managing meeting
  - managing parents
  - ...

Any realistic Dynabook revisit should take these aspects in consideration.



# Kid

Can we reduce the bag wight?

I have seen lightweight students assigned with mountain of materials:

- >10 binders
- >10 books
- >10 activity files
- numerous notebooks

Any realistic Dynabook revisit should take theses aspects in consideration.

# Software

# Hardware

# Economic