

# CS education for digital wisdom

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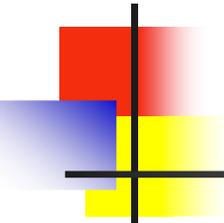
Towards tomorrow's  
successful digital citizens:  
A policy think tank

London Knowledge Lab  
2015-02-24

**Bern Martens**

Secondary school teacher training  
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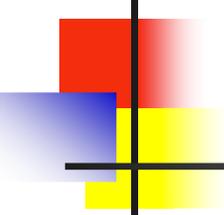
<http://people.cs.kuleuven.be/~bern.martens>



# Digital wisdom and informed digital choices

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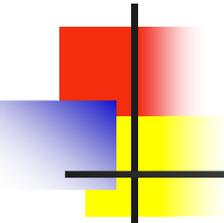
- Successful digital citizens
  - can usually/often make informed digital choices
  - and/or feel that they are in principle able to, even when they do not
- Digital wisdom covers four areas of competence: “technical”, creative, analytic, reflective
  - => Flemish Mediacoach Training [@](#)
- Still lacking: deeper insights in technology as a basis for
  - creativity **in** ICT
  - **technically informed** analysis and reflection
  - **self confidence**



# CS education: haves and have nots

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- The new English “K-12” computing curriculum is an inspiring example for Europe: thank you!
- Current K-12 computing education in Flanders is sorely deficient:
  - there are no official standards
  - the (resulting) informal curricula are not good enough and their teaching is allotted little or no time
  - many teachers have insufficient CK as well as PCK
- Ongoing campaign for improvement ... @



# CS education for informed digital choices

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- Good “technical” CS education in itself is (probably) insufficient to support analysis and reflection in digital wisdom?
- We need to “encourage” CS teachers to explicitly connect technical CS ability to its use in analysis and reflection!
- Teachers in various other subjects must be empowered to help make this connection...
- We need (much more) R&D on relevant educational approaches and their effectiveness.