Computer Science Education In Defence of Programming



Michael Kölling, King's College London European Computer Science Summit 2017, Lisbon, Portugal

So, let's talk about programming!



Motivation

Greenfoot

Eight ways to motivate students

Allow students to take control. Use open problems

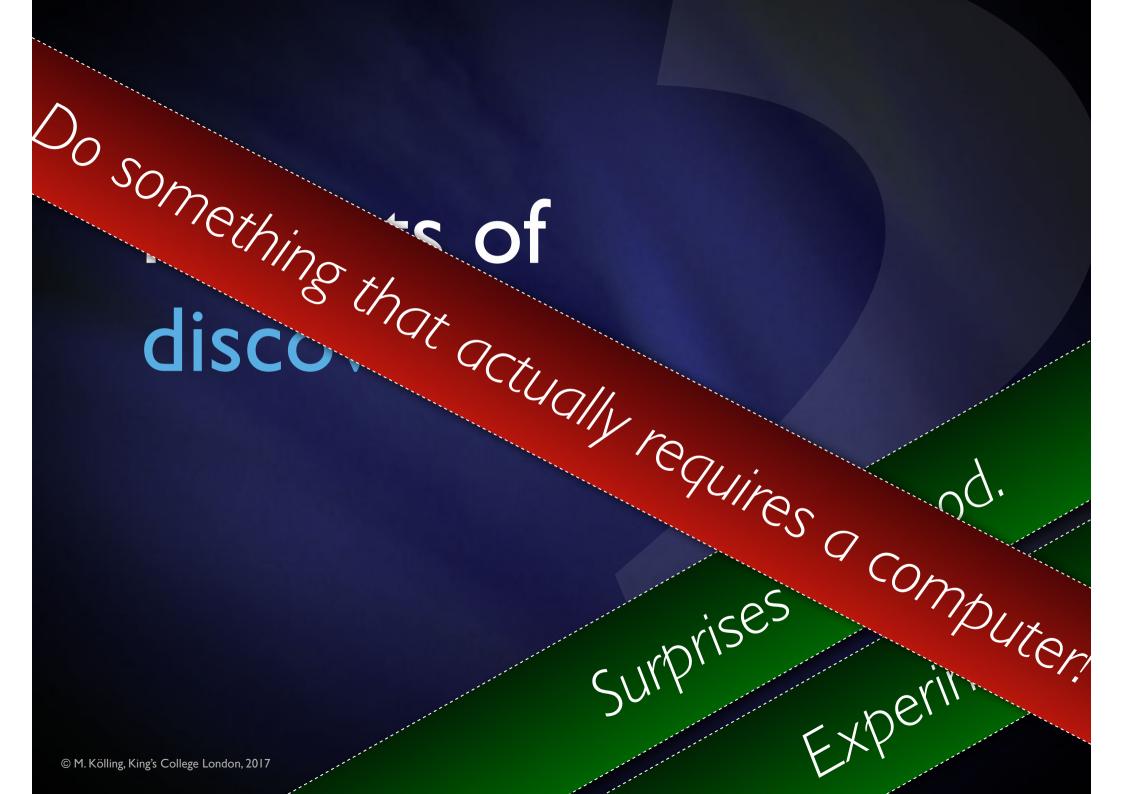
Asteroids

Projects of discovery

surprises are good.

Experiment.





Connect to their interests

What are their interests?

let them choose

Real world connections

PO///X· COLXIN FIXA SOBOLINA MORNING RORS SINULOX: Social interactions © M. Kölling, King's College London, 2017

Use real data

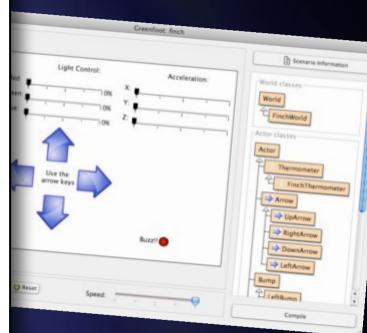


Multi-level learning



Gadgets are cool







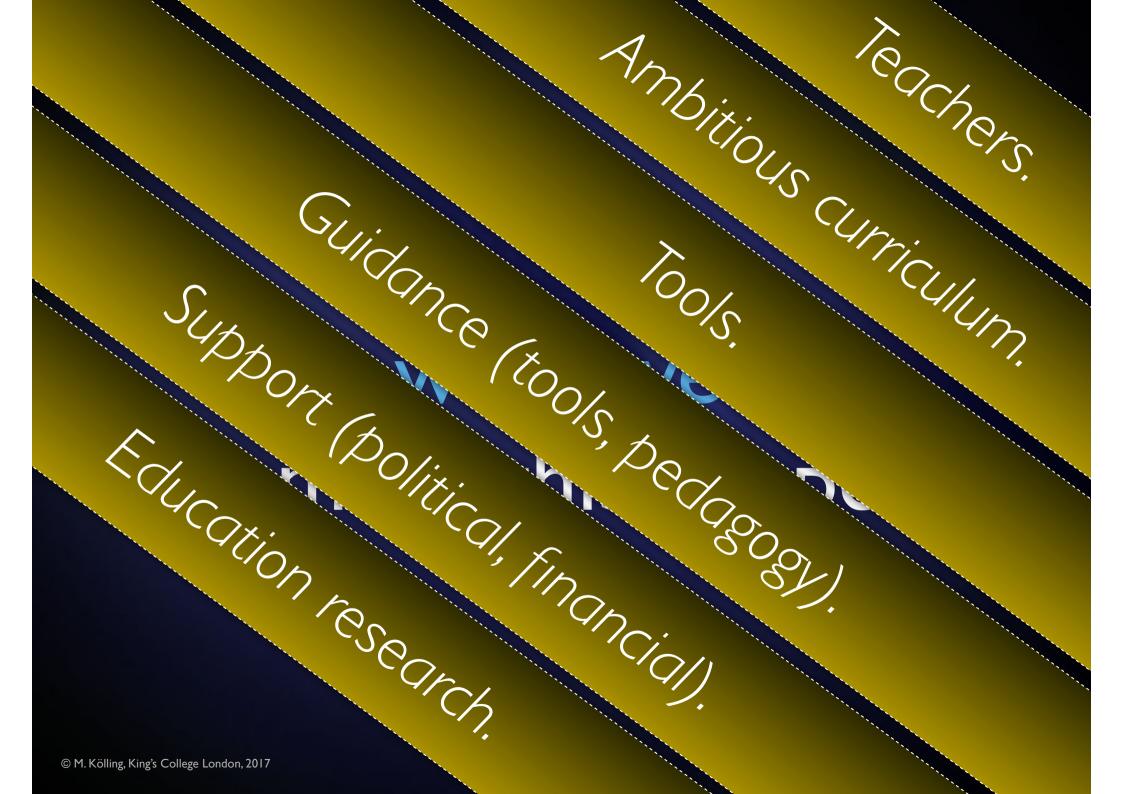
Share!



But how? Stride.

Stride

How do we make this happen?



Informatics Education in Europe: Are We All In The Same Boat?

> Association for Computing Machinery

EUROPE



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Thank you.