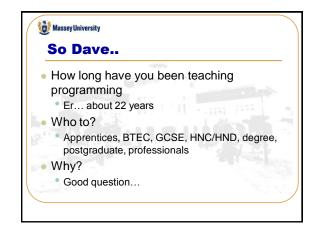


Massey University

Programming

 The magic of myth and legend has come true in our time. One types the correct incantation on a keyboard, and a display screen comes to life, showing things that never were nor could be.

• (author of 'The Mythical Man Month')



Massey University

Can you teach it?

Computer science education cannot make anybody an expert programmer any more than studying brushes and pigment can make somebody an expert painter.

> Copen Source spokesman and author of the New Hacker's Dictionary)

MasseyUniversity The Point... What are you trying to achieve in your teaching of programming at Solent? What do you teach and why?

Massey University

Making a choice

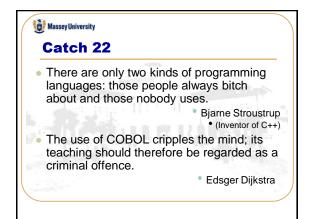
• A most important, but also most elusive, aspect of any tool is its influence on the habits of those who train themselves in its use. If the tool is a programming language this influence is, whether we like it or not, an influence on our thinking habits.

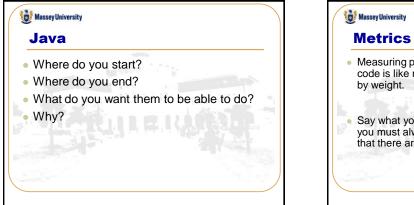
Edsger Dijkstra

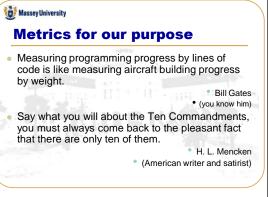
Massey University

Languages

- Can you teach all languages the same way?
- Why choose one language over another?
- How long does it take to learn the
- 'conversational' language?
- Is that any good to anyone?







MasseyUniversity Making it easy Less is more Panic in the library One path is enough One piece of the jigsaw is more realistic No-one can remember syntax, menus, click and drag So what the heck do they remember?



Massey University Holy grails Over the years... Design over implementation – ideas! Windows – wow factor (back then) Design patterns – more ideas! New languages – they always start simple! New tools – shiny stuff syndrome Things that reward quickly – browser programming Test first – more ideas to turn your head upside down! Agile games – design over implementation Mobile – wow factor (back then)

Massey University Some ideas to ponder Java persistence API (finally) NetBeans for Mobile (Rails?) Eclipse for plugins Jade for quick wins and support Non programming tools like XMLSpy .NET – what is it trying to say?

