Technology and Reflective Practices by Tom Boyle

Chapter supplied by Steve Draper

* Schon’s argument of “reflection in action” – reflection during an ongoing process.
* Reflection after an event – second type of reflection which involve a retrospective look at past events in the hope to deal with the situation better in the future
* Schon argues that reflection in and on action should be the basis of a new sharable body of knowledge
* “We don’t know how to help our students learn about the abstraction that are so important in computing” – i.e we don’t know how to teach coding
* Similar experiments:
  + Boyle 2003 – blended approach to learning coding language. More emphasis on sequence of programs producing visible graphical outputs. Lead to a marked improvement form 12-23 %