

The Importance of Education in Building a Digital Economy – Lessons from Estonia

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British Ambassador to Estonia

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Estonia Where? Who? Why?

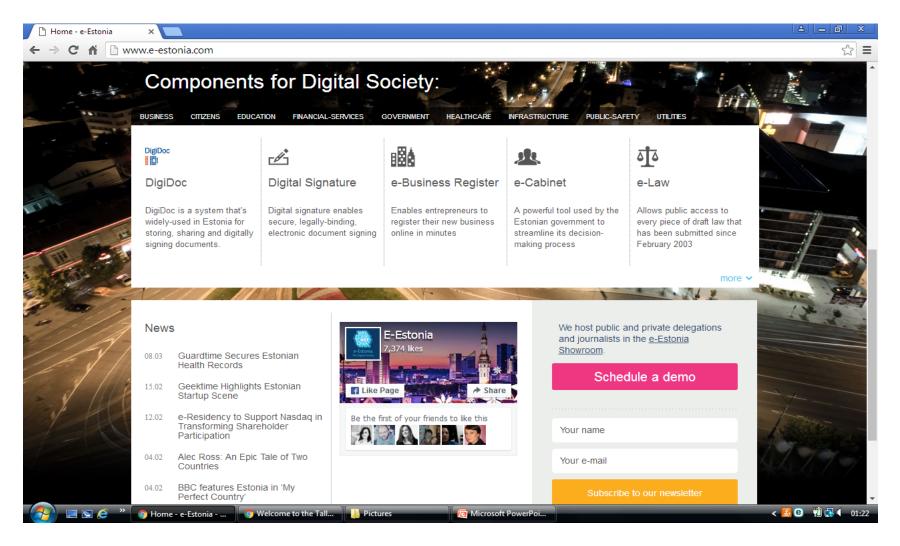






So what is <u>e-Estonia</u>?







The Estonian Digital Economy

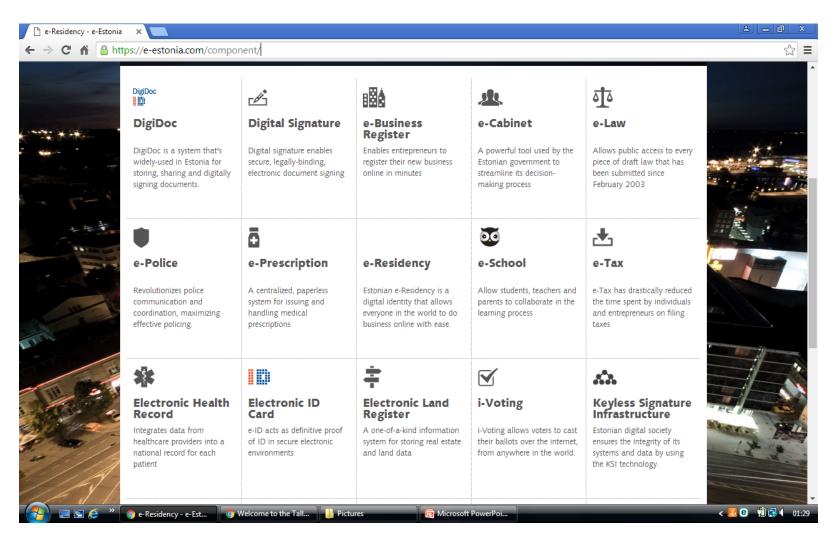


- Estonia reliant on digital technology for its government – almost all services, 98% tax returns online/completed within days, digital signatures by default, online voting etc
- Digital economy grew 40% in 2015, 59% buy goods/services online
- Ranked 5 in world for cyber security
- Very strong English skills among under 40s ranked 7 in world – very high numbers in tertiary education – and the strength of STEM...



e-Estonia e-services...

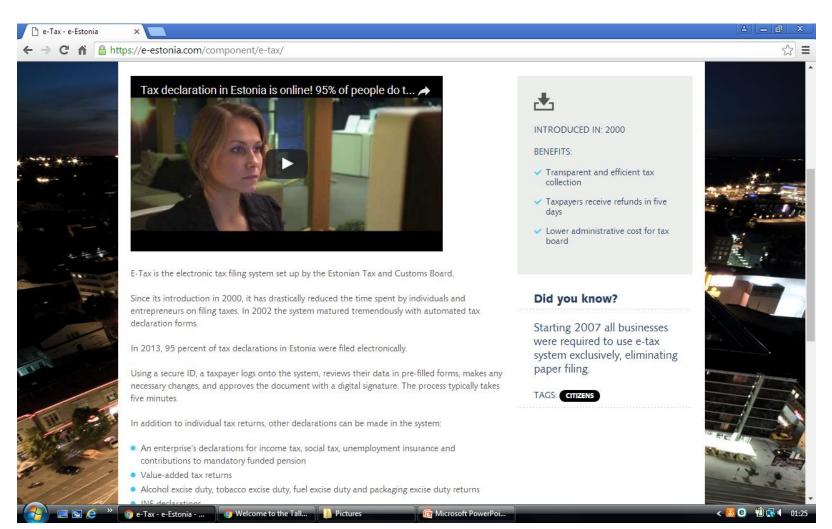






e-Estonia tax...

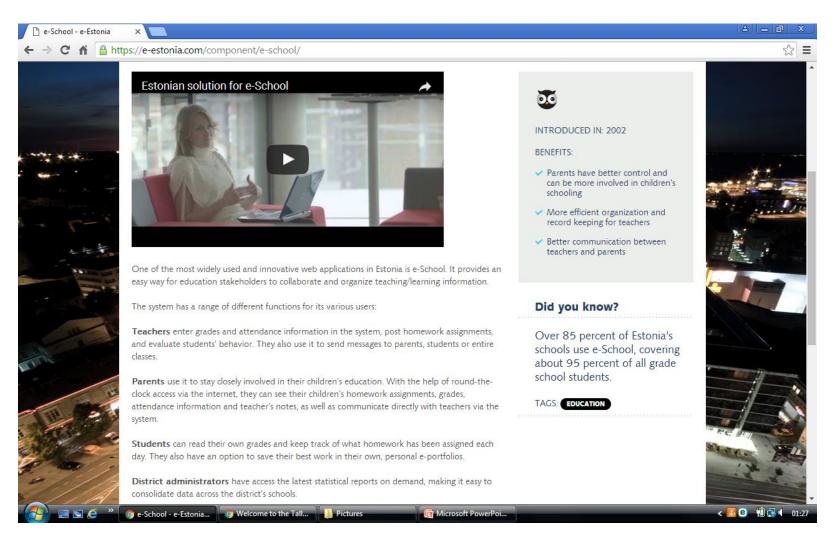






e-Estonia e-Kool/e-School...







The Estonian Digital Economy – how much does it rely on education, and how could it get stronger through education? The strong positives



- STEM results (joint) top of world outside E Asia
- >85% of schools use e-School
- >60% of schools offer programming as optional course, integrated in other subjects or as extracurricular activity
- NB Digital <u>literacy</u> is the focus of curriculum, not programming
- "Digital skills" 1 of 5 priorities of Estonian lifelonglearning strategy: aim 80% 16-74 yo by 2020 (65% in 2012)
- Planned transition to e-textbooks, interactive exercises, open education resources, web-based assessment



The Estonian Digital Economy – how much does it rely on education, and how could it get stronger through education?...



- Equipment
- Investment in teacher skills *
- More EdTech for skills, and engagement
- "How do we keep up with the kids?" Studentled? Or support from others?
- Business engagement skills in technology and in being an entrepreneur/launching start-ups (including planning and comms/marketing...)



e-Estonia – educational change...







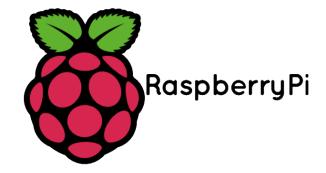




UK-Estonia programming connection – the <u>Raspberry</u> Pi programme







TransferWise

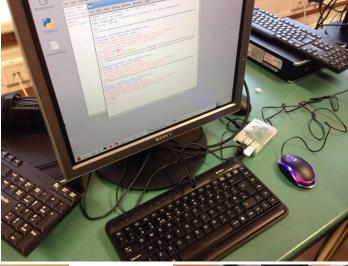




Raspberry Pi, Robotics - Võru...





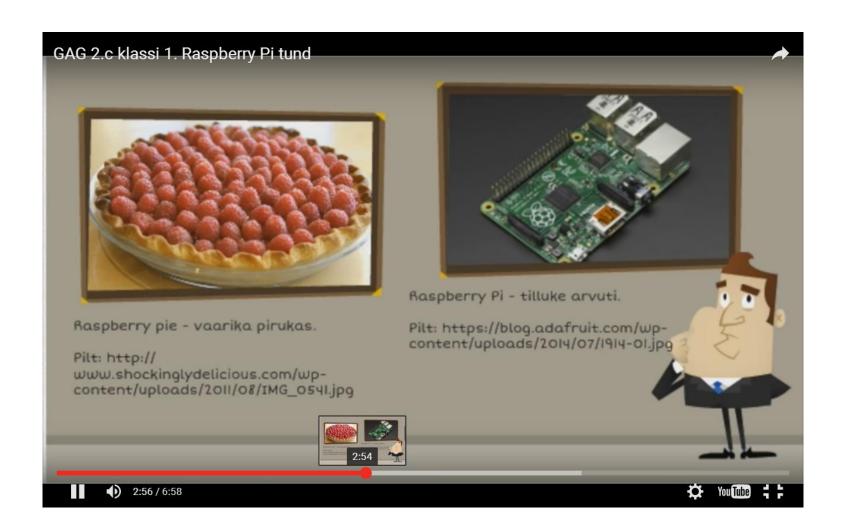




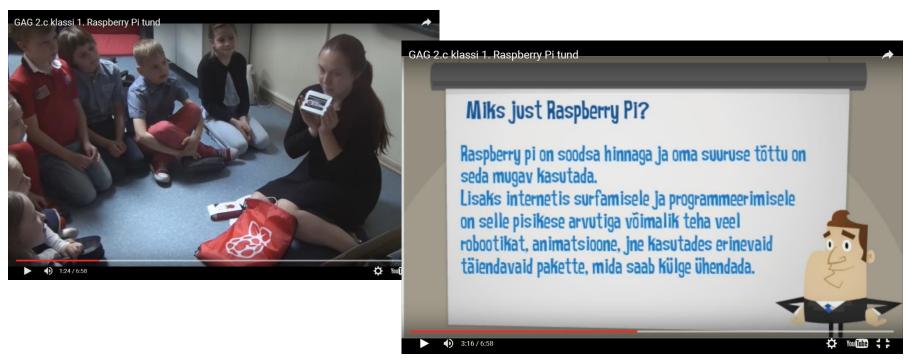




Introducing the Raspberry Pi



Raspberry Pi how to do film, now shared across Estonian schools...











How can you help/get involved?



- Jam with Estonian schools/hubs/youth clubs?
- Skype chats with Estonian students
- O Visit? Host a visit?
- Share ideas with Estonian tech teacher leaders
- If you're in EdTech, come into the Estonian/ Nordic-Baltic market



Thank you!

Hopefully some interesting points to discuss/reflect on ©

Questions? Arguments? Ideas?

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