

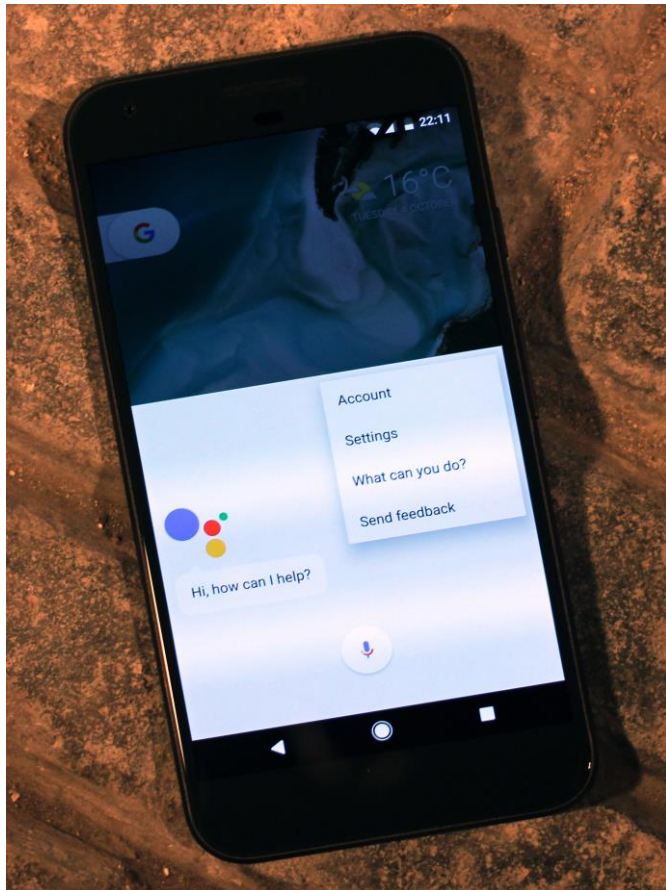


Civic communication skills at the age of Artificial Intelligence: *Needs for Media Literacy 3.0*

SIRKKU KOTILAINEN

PHD, PROFESSOR, TAMPERE UNIVERSITY

Levels of trust to applications based on artificial intelligence?



The “robot” inside the application is learning from the feedback provided by the user (f.ex. Ali et. al. 2017)



It is about cyber security

- ▶ EU has recently noticed the ethical and moral problems in cyber security by the General Data Protection Regulation in EU (GDPR) 2016/679 which is securing the minimums of, for example, in civic privacy issues.
- ▶ National extra like in Finland, "Network and information security directive Working group's final report to support national implementation" is mostly focusing on economics perspectives.
- ▶ More stress needed to civic skills as the base of empowered digital society as the base for economic growth.

Needs for new literacies as civic skills

- ▶ Recognizing algorithms and activities of artificial intelligence belong to critical media and information literacies of today (MIL). (f.ex. Kotilainen & Ruokamo 2017)
- ▶ MIL belongs to the core civic skills of current digital societies which rely on discursive power making through communication.

Discursive power making through communication

- ▶ **Propaganda** is intentional delivering of single, one-sided perspective with the objective of affecting the user's thinking and actions.
- ▶ **Disinformaation** aims to guide thinking and actions of the user with hiding some facts, not telling the whole truth (f.ex. fake news).
- ▶ **Hate speech** includes the spreading of hateful, discriminative expressions of minorities like ethnic groups in societies.

<http://blogs.uta.fi/mediakasvatus/>



Multiliteracies and Coding in the Finnish National Curricula 2016

- ▶ Coding is a set of skills, understanding and a pedagogic method through making (Dufva & Dufva 2016)
- ▶ As such, it belongs to multiliteracies as well (Cope & Kalantzis 2015).



Official website: www.somejam.fi/tampere



www.facebook.com/somejam



twitter.com/somejamfi



www.instagram.com/somejamfi

Hashtag:

#somejamtampere

#somejamfi

All is about the futures of our youth

- ▶ Critical, active touch to the digital media environment with amicable, friendly communication habits are core skills. Critical touch is the base for creativity as well.
- ▶ School is the national unit for providing these skills to youth with the help of libraries and youth work.
- ▶ National policies form the futures: focus to curricula and teacher education needed in Baltic and Nordic countries for new their new centuries.

References

- ▶ Aly, A., Griffiths, S., & Stramandinoli, F. (2017). Towards intelligent social robots: Current advances. *Cognitive Robotics*. doi:10.1016/j.cogsys.2016.11.005
- ▶ Cope, Bill, Kalantzis, Mary (Eds.) (2015) *A Pedagogy of Multiliteracies: Learning by Design*. Palgrave Macmillan.
- ▶ Dufva, T., Dufva, M. (2016) Metaphors of code – Structuring and broadening the discussion on teaching children to code. *Thinking Skills and Creativity* 22(2016) 97-110. DOI:10.1016/j.tsc.2016.09.004
- ▶ Finnish National Curricula (2016)
http://www.oph.fi/english/education_development/current_reforms/curriculum_reform_2016
- ▶ Kotilainen, S. & Ruokamo, H. (2017) Haloo opettajankoulutus: TVT ja medialukutaidot yhteen! KAVI, 2017: Opettajaopiskelijat ja mediakasvatus 2017.
<http://www.mediataitokoulu.fi/opettajaopiskelijat.pdf>