

Education 4.0

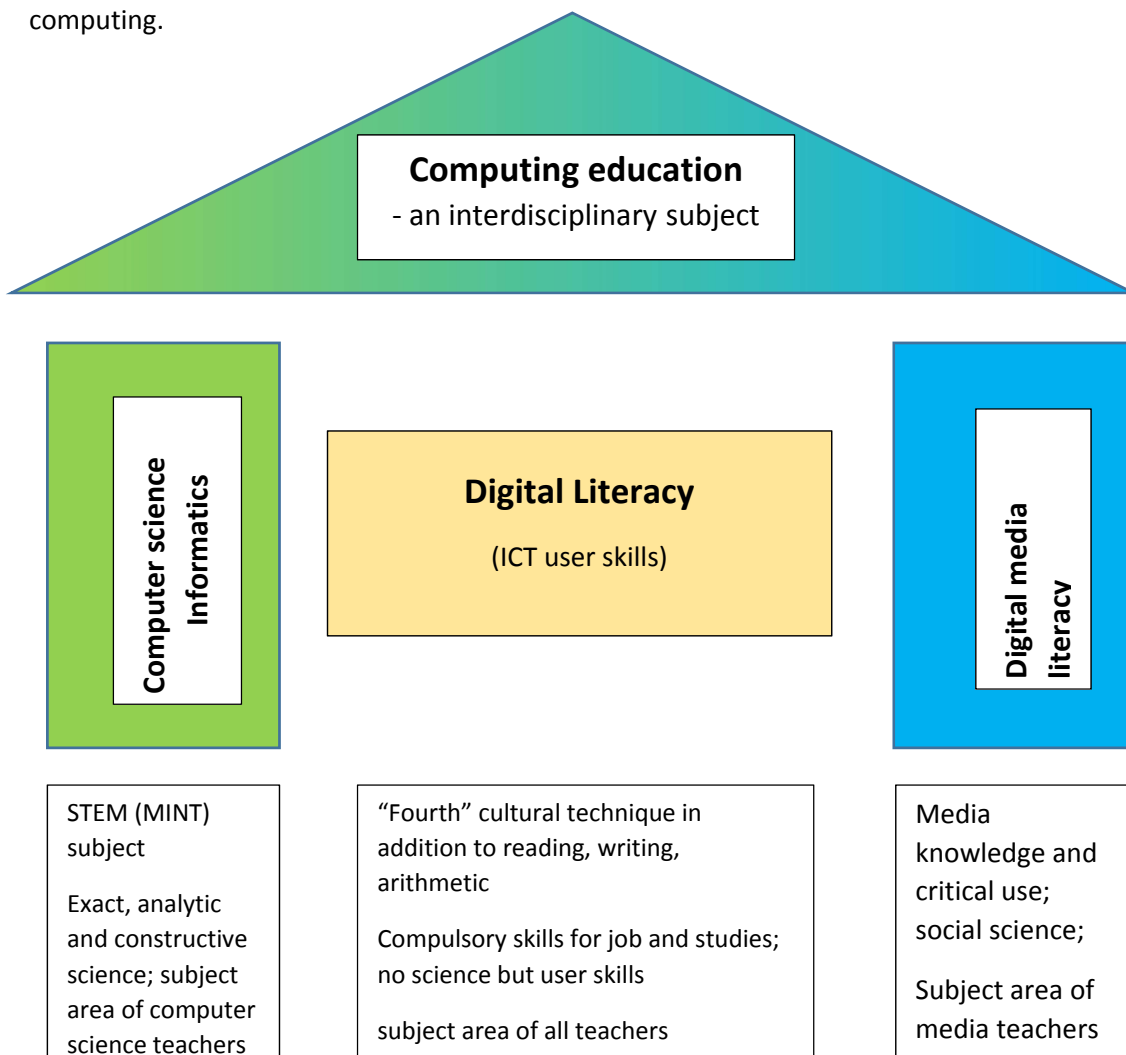
An initiative of the Austrian Computer Society (OCG) and its partners Digital City Wien, ICT Austria, VÖSI (Association of Austrian Software Industry) and SI (Swiss Informatics Society)

No Industry 4.0 without Education 4.0

The digital transformation gains momentum and pervades all areas of our lives – personal, social, political, economic and private. The population must be empowered to deal with the changes and meet the demands of this new environment. Education 4.0 is education in a digitally connected world that answers the needs of Industry 4.0. The OCG calls for basic training in computing skills for everybody. The interdisciplinary concept of computing education is based on three pillars:

- Computer science as exact and analytic science (informatics)
- ICT user skills (digital literacy) universal topic, to be included in all subjects
- Digital media literacy (expertise of media teachers)

Education 4.0 is based on the interdisciplinary concept of computing education. Students of all ages must be empowered to handle digital systems. To achieve this aim computing must become a compulsory subject in all schools (computational thinking as fundamental skill), computational thinking must be included in the curricula of all subjects and teachers must be educated in computing.



Graphic: Source Hasler Stiftung SI