

Technology education for gifted students

Swedish compulsory school technology education has new content in the syllabus since 2017, regarding digital tools and digital competence. One example of a digital tool is CAD (computer aided design). CAD can offer students challenges when they creatively design models of technological solutions. In my study, I will develop a teaching example with this digital design tool. I will also focus on which possibilities technology education can offer gifted students, based on their needs.

Many technology teachers proclaim that they are insecure of the teaching content, what they should teach and how they can teach it to meet every student's needs, a complex situation also in relation to this new content. The aim of this study is to increase the knowledge base about differentiated and challenging technology education in inclusive settings where gifted students can be stimulated, with a specific focus on digital content.

The results of this study can contribute with knowledge to teachers teaching the technology subject, to teacher educators but also to researchers within technology education and gifted students' education.

Presentation

ECHA Sept 2022 Haag, Netherlands

Symposium

Titel: Digital design tools in gifted students' technology education

NERA Mars 2023 Oslo, Norway

Symposium

Titel: Computer aided design in gifted students' technology education

Framtidens lärare June 2023, Karlstad University, Sweden

Symposium

Titel: Teknikundervisning för särskilt begåvade elever

Kommande presentation:

Paperpresentation

Titel: Gifted students' needs in technology education

PATT October 2023, Liverpool, UK