

Technology education for gifted students

Gifted students can have special educational needs. Thus, teaching should be challenging and stimulating to meet the needs of the students. Differentiated teaching can be used as a mean for reaching an inclusive teaching practice. However, there is a knowledge gap on gifted students needs in relation to technology education.

The aim of this doctoral project is to collect and synthesize knowledge about gifted students needs from the perspective of technology education. Hence, a systematic literature review will be conducted. The aim is also to describe opportunities and possibilities within the technology subject to meet the gifted students' educational needs. It is expected that this will result in a theoretical framework, which will be of use for teachers, teacher educators and researchers in the fields of gifted education and technology education.

The theoretical framework will be used in a second part of this doctoral project. In this part, workshops with technology teachers will be held, developing a teaching activity with computer aided design (CAD). CAD can offer students challenges when they creatively design models of technological solutions.

The results from this doctoral project can increase the knowledge base for gifted education and for differentiated technology education.