

Title masterproject:	How Children Learn
Theoretical context:	<p>Inquiry-based learning has been recommended in the Netherlands and abroad as the preferred approach for teaching science education at the primary school and informal education (such as museums). In a science center, inquiry-based learning often takes place in family-learning context. That means that not only the child, but also the parent influences the learning process.</p> <p>In literature, it has been proposed that in addition to a parenting style, also parents' approach to learning plays an important role in the interaction process between parents and children. However, the only developed, English questionnaire "How Children Learn" is not very reliable and the validity is unclear. We will develop a new questionnaire, conduct pilot studies, and we will construct a larger study to test the reliability and validity of the new developed instrument. The study will (partially) take place in Science Center NEMO, Amsterdam and (maybe) primary schools. NB: speaking Dutch is important!</p>
Research Question(s):	How to facilitate inquiry-based learning in a museum context.
Study population:	Children and parents visiting science center NEMO
Type of measures:	Observations, knowledge tests and questionnaires
Activities for students:	Literature study, designing new questions based on literature, piloting via internet, testing in NEMO, scoring and analyzing data, reporting.
Supervisor:	Maartje Raijmakers
Number of students:	4
# ECTS	20 (thesis)
Schedule:	October 2016 - July 2017