



Semester: 4th

Title: The Music Mat

Project Period: February 1st – May 29th

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Semester Theme: Sound Computing and Sensor Technology

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Abstract:

This paper investigates how a physical tool can aid musical education in an elementary school setting.

The analysis investigates learning theory, motivation and interaction, which leads to an understanding of core concepts, centered around collaborative learning. This is supported by an interview with an elementary school teacher, and a workshop with an elementary school class. The design is usability tested to improve the initial design, before it is tested on an elementary school class.

The final test is conducted at the school Skt. Annæ, where a fourth grade class went through a simple task, to test for the final problem statement; The test participants used the product in small groups, and had to work together to solve the task, while observers noted how the group divided the work effort.

The test showed that the participants found themselves participating in solving the task and indicated that the subjects felt that they had experienced collaboration during this task.