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Cognitive Education Media for Stimulating Creativity of Children

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Creation is pleasant for children. Children learn various things through creation. Creation is that children explicitly make their inner thoughts into a form. Forming their thoughts leads that they reflect themselves. In this way, creation is not only an act as for making a thing but also a way for learning various things and polishing a sense. However, the more children get old, the more they avoid showing their creations to others. As a result, they lose creation will.

Therefore, in this thesis, we develop a cognitive education media that is operated easily and can express children's expression desire and thoughts to make things. The object of this thesis is to develop our cognitive education media as a trigger for children to feel enjoyment of creative activities.

As for development of cognitive education media, a concept, parts, is supposed as a stimulator for creativity of children. Ahead of development of the cognitive education media, we performed an experiment with analog media that used paper parts and cotter pins. This experiment revealed that it is possible to support creation and imagination of children by using parts and clarified the utility of parts. We developed cognitive education media, Partschu, based on this knowledge.

In cognitive education media, Partschu, children can create characters of their choice by constructing parts by means of their concept. Several kinds of pin connect between two parts and have functions of giving a move to created characters. As a result of evaluation experiment, it was confirmed that cognitive education media, Partschu, stimulated creativity of children and supported creation and imagination of children. Finally, Partschu is considered as a trigger for children to feel enjoyment of creative activities.