

# **SPA 900: Professional MSc Project – Lego Robot Materials Development**

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## *Parent Activities: Development of Cognitive Skills using Robots*

### Abstract

This is a resource for parents of children with physical limitations. Typically developing children learn and develop their cognitive, language, social, and motor skills by interacting with their environment. For example, playing with toys and physically manipulating objects help children learn vocabulary and language concepts about those objects, as well as their properties. Children with physical limitations may not be able to explore their world in this way, and so their opportunities for learning are more limited. Robots can be used to provide children with a means to play and learn where they might otherwise be unable to. This resource manual shows parents a variety of ways in which robots can be used to help promote their child's development through a number of fun learning activities.