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## Create and code your own artful cardboard robot

The students can create and code their own cardboard-bots with the help of the Calliope mini (a single-board computer). The students are highly motivated because they can express themselves creatively.

Ernst-Göbel-Schule

The low-cost project attracts both boys and girls.

## Group of learners:

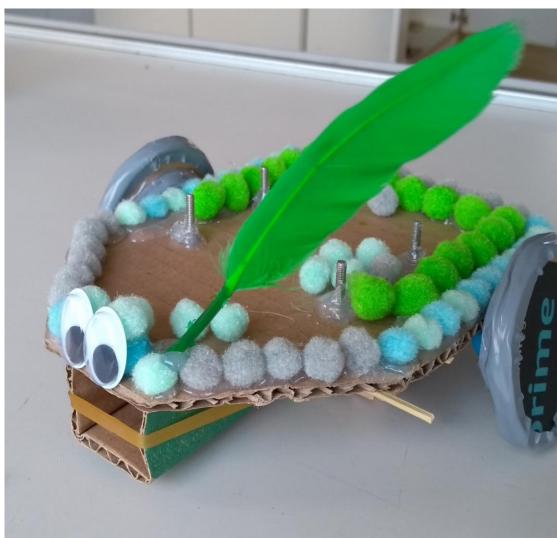
16 students from all types of (secondary) school, aged 10-13 (also possible at an earlier age, probably 8)

## step 1: build a twowheel cardboard robot



## step 2: decorate it with different materials, using a hot glue gun

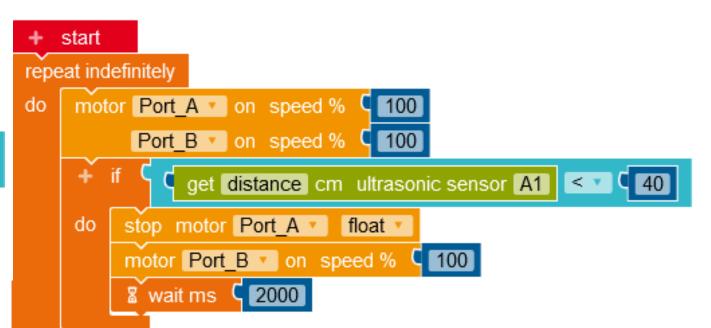




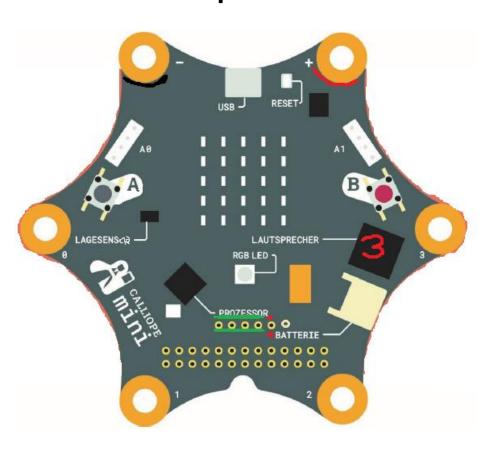
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step 3: coding

Scratch: NEPO by Open Roberta Lab



microcontroller Calliope Mini



This leads to a great variety of individual, artful cardboard bots. As the materials are very cheap and easily available, students may carry out further projects at home.





