



Steam with STEAM

Challenge 4

Dear Partners, Teachers, Children,

This is the fourth letter with a challenge for the next STEAMcontest. In this letter I inform you all details and possibilities to succeed in this challenge. Watch the links below and read carefully the instructions.

Mission

Make a paper aeroplane that you can guide through a hula hoop or a circle made by a human at the distance of more than 10 meter. Use the materials for this on the table. All kinds of paper. An iron wire, tape, ball pen. Discuss in group how you can approach this.

Did this work out? Make a sketch of the construction. Try out different paper aeroplanes to find the best solution

There are some possible questions that can help:

- Is a lighter paper better than a heavy paper?
- Is a larger surface area better than a smaller one?
- How can you use the cardboard to guide the aeroplane to the goal? Can you use different materials?

These link can be helpfull:

<https://www.youtube.com/watch?v=EGx9FdNZd1w>



Extra:

Make a new construction with own materials and upload a video on the twinspace of the project 'steamwithSTEAM'.

SUCCESS

Johan Vanhouwaert (steamwithsteam coördinator)