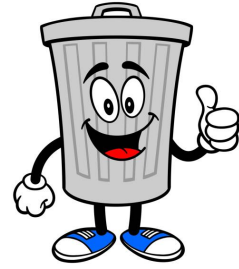


DESIGN YOUR OWN WASTE SORTING BIN



Background

The topic of waste sorting is very relevant and something that the Munkebjerg school is already involved in.

To kick-start the process, we participated in the communal waste collection for schools and daycare facilities, where the entire school collected garbage in the local area.

In addition, Odense municipality has decided:

From December 31 2022, according to the Ministry of the Environment's executive order on waste, it is a requirement that municipal workplaces sort household-like waste according to the same sorting criteria as private households.

This means that we at the Munkebjerg School are obliged to sort waste everyday in all of our classrooms.

We would like to involve the students in the process and development from being a school that does not waste sort in 10 different categories, to the children being sorting experts, and make them aware of the importance of waste sorting, sustainability and recycling.

Aim and content

- Pupils learn to sort their own rubbish
- The students gain knowledge about waste sorting
- Students gain a beginning understanding and awareness of the importance of waste sorting, sustainability and recycling
- The students gets to know design processes

In this course, students must design their own waste sorting bin. They must create a sensible solution for how we can best sort waste in the classes, and since we do not have the largest classrooms at the school, the sorting bins must not take up too much space. Through the design process, the students have to come up with fun, functional and creative ideas in pairs and make useful prototypes, which we will eventually exhibit in the school, as an inspiration for the other classes.

Criteria for the design of the sorting bin

- The sorting bin must be able to sort in the following categories:



(In reality we will only sort in: food, paper, plastic and the rest)

- The sorting bin must not take up too much space in the classroom
- The sorting bin must be user-friendly

Didactic design

The course extends over 3 modules.

In the 1st module, students will be introduced to the subject and gain basic knowledge about waste sorting, the history of waste and why it is so important. For this part, there are many good courses and inspiration to be found at www.dengrønnergrad.dk, which is a free resource for Danish schools.

In the 2nd module, the children will be presented with the criteria for the sorting bins as they are guided through the design processes. The students will start building the prototypes.

In the 3rd and last module, the prototypes made by students must be completed and then finally exhibited.

Evaluation

We have chosen to carry out continuously formative evaluation in this course. We do this by stopping up and letting the students give each other feedback, so that in the process they have the opportunity to develop and improve their idea.

WORK IN PROGRESS IN 2.B



2.B FINAL PRODUCTS

