

# CLUSTERING

## Reducing an excessive number of ideas

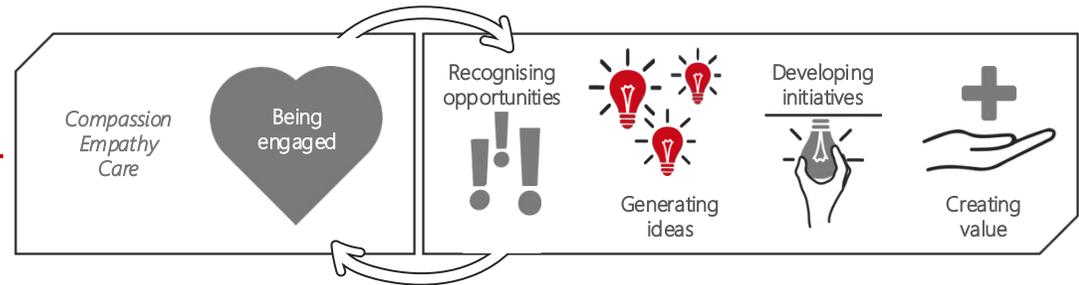
age 4 - 6

age 7 - 9

age 10 - 12



20 min



### SUITABLE

- If the children come up with too many ideas.
- To get an overview of the ideas generated by the class.
- To get a better overview of the ideas generated by the class.

### TIPS

- Very special ideas can also form a cluster. Give unselected special ideas a place in a 'hall of fame'.
- Create an 'other' cluster for ideas that do not fit into any other cluster.

### MATERIALS

Pens or coloured pencils, post-it notes

### STEP 1

Ask the children to write their ideas for solutions on (digital) post-it notes and collect these post-it notes.

### STEP 2

Have the children group ideas that they think belong together into 3 to 6 clusters (e.g. stick the sticky notes together on a sheet of paper per cluster, move the sticky notes around on a (digital) board, etc.).

Helpful questions:

- Which ideas are very similar or the same?
- Which ideas solve the problem in the same way?
- Which ideas have the same theme, subject, place, time or are intended for the same target audience?
- Which ideas complement each other? Which ideas together form a complete and/or better idea?
- Which ideas are opposites of each other?

### STEP 3

Give each cluster a name together with the children.

- What do these ideas want to change or do?

### STEP 4

Work with the children to see if you can merge clusters into a single idea.

Source: [ontwerpenindeklas.nl](http://ontwerpenindeklas.nl)



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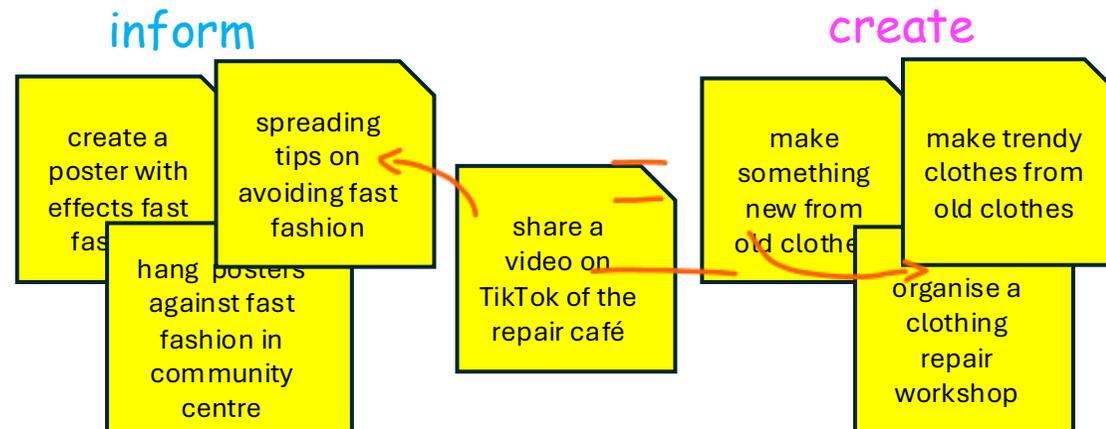
# Example CLUSTERING

## Context

Children often see delivery services driving around the neighbourhood with parcels for local residents. These often contain clothing that has been purchased online. In a class discussion, the children note that many people around us want to buy clothing that is not (too) expensive. The teacher explains a little more about fast fashion, including its impact on the environment (transport, low quality, waste, etc.) and its impact on people in manufacturing countries (low-wage countries, child labour, etc.). The children came up with ideas about opportunities they saw to tackle this situation in their own environment.



## STEP 2 & 3



## STEP 4

The final idea was created by merging the clusters: a poster showing the effects of fast fashion and tips on how to avoid it. One of the tips is to mention a repair café in the neighbourhood. During this repair café, we provide a workshop on repairing clothing.