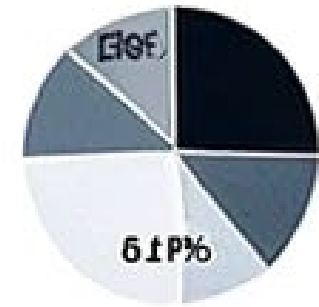


# Primary school student's perception of technology

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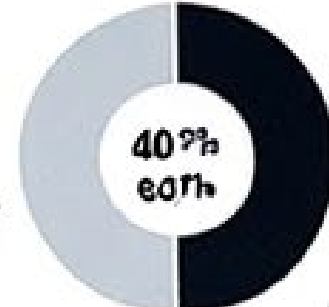
**Reseaartion:**

*Ppzdabocnny salu mizalutkenk iuualegnidvachrof mednclaryh*



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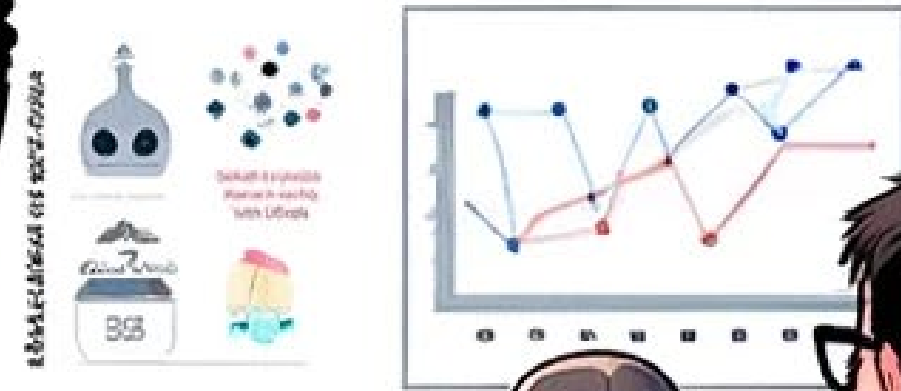


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# Introduction

# Collecting data

## Activity 1

What is technology?  
(In the classroom)

approx 60  
minutes  
two groups

## Activity 2

What is technology?  
(No electricity)

approx 60  
minutes  
two groups

## Activity 3

What is technology?  
(Outdoors)

## Activity 4

What is technology?  
(The bicycle)

- Pre-decided learning situations
- Technology in nearby surroundings
- Video and audio recordings
- Two activities in focus



# Aim and research question

Explore how primary school students perceive and communicate their understanding of technology manifestations

*In what ways do students perceive how technology is manifested?*





# Method



What is it  
technology?

Why is it  
technology?

IPad, iPad cabinet, laptop,  
headphones, and watch

We believe because we think they  
conduct current





You can use it to write  
And stuff like that

I know

Kind of like the iPad

To have a better life,  
you can use them for different things

Pencil too, you can write





...and which we need

...which you can drive with

They are good stuff...

Which are important

That is needed



# Discussion





# Didactical contribution

- Situations involved photographs
- The camera
- Construct learning situations
- Teachers' questions
- Guiding the students' conversations
- Prepare questions
- Add ethical perspectives



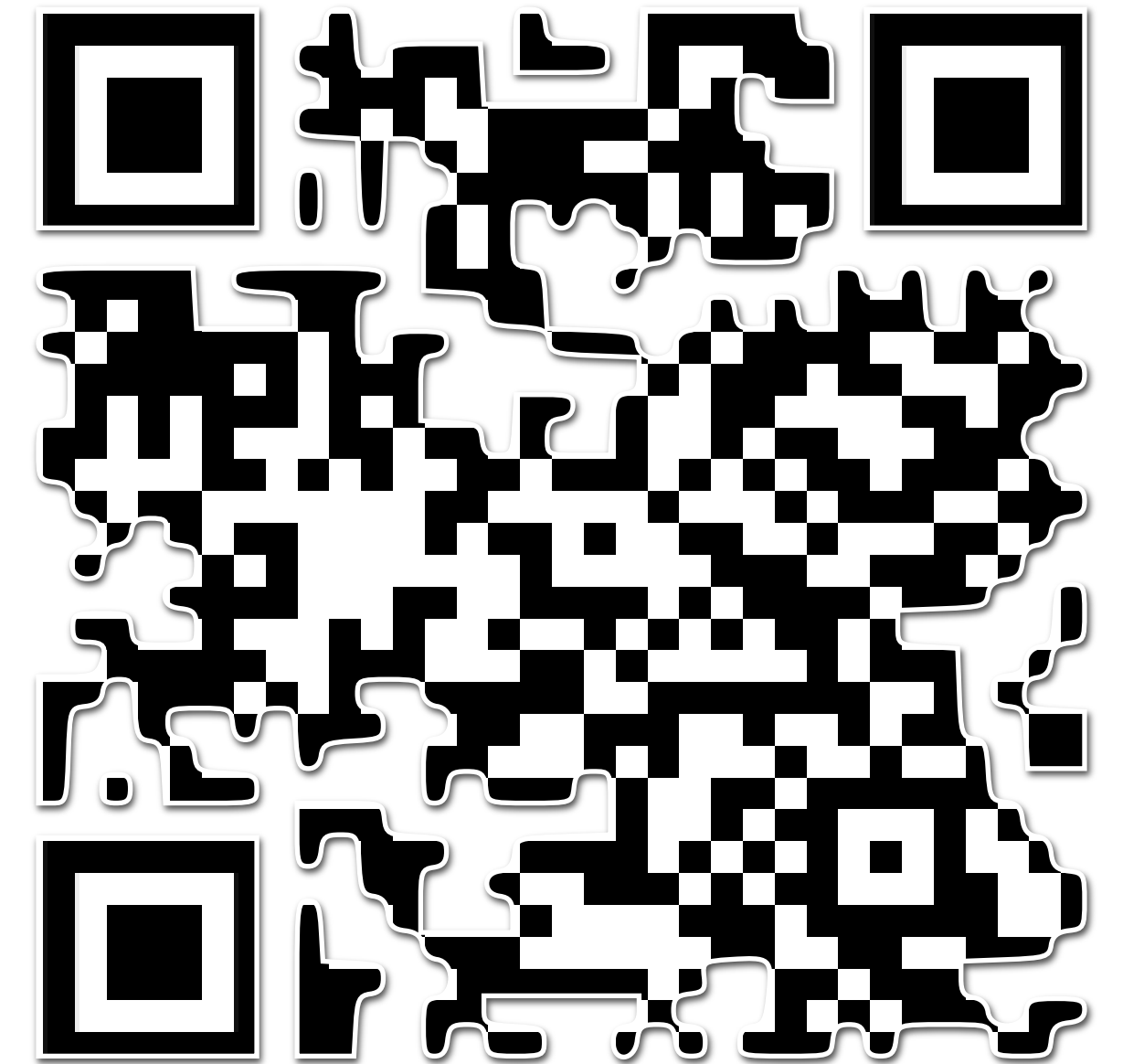


# Finally

This study is related to an article recently published

*Primary school students developing understanding of the manifestations of technology.*

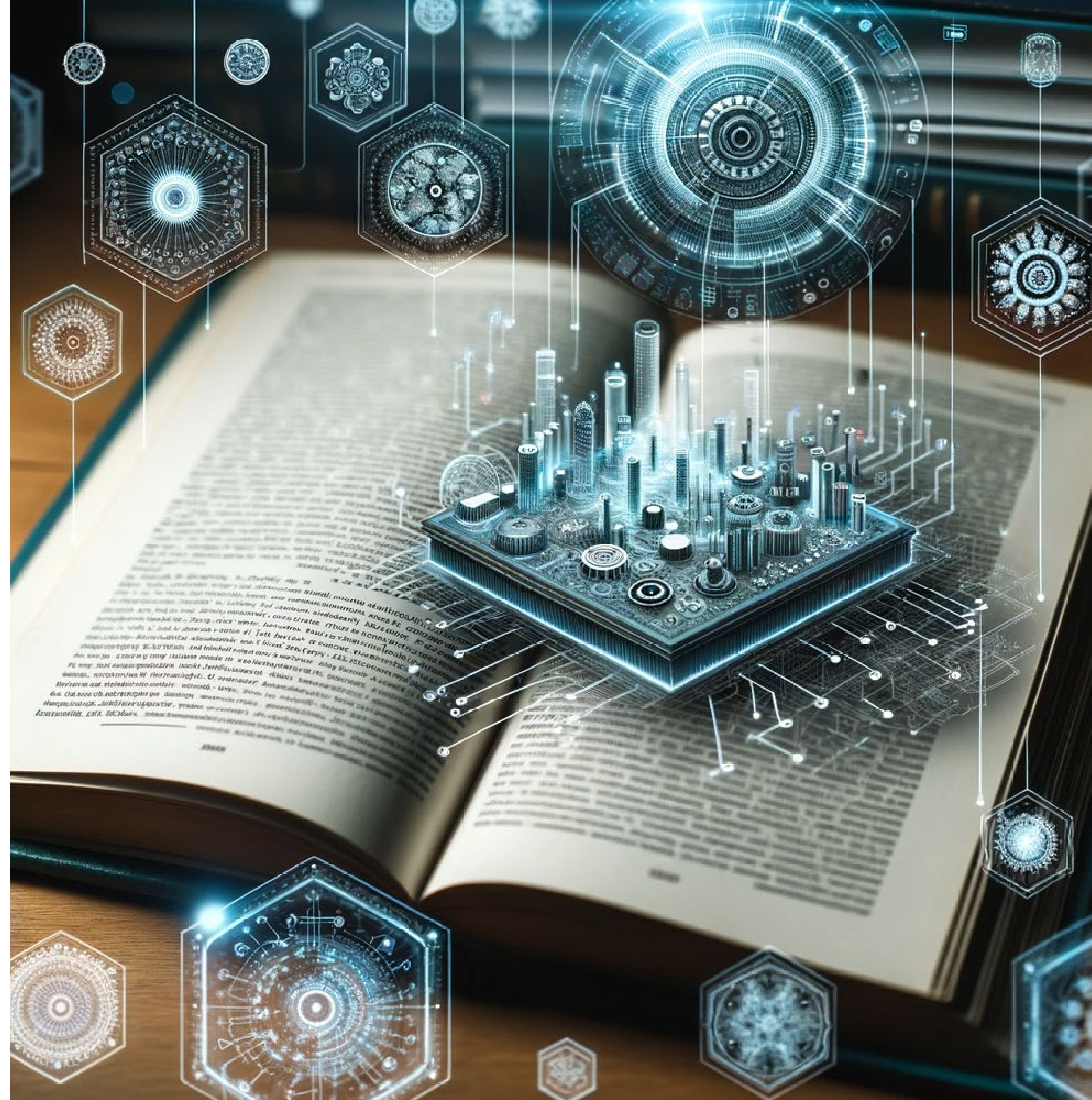
*Thank for listening!*



# Literature

This is the main literature in this study:

- Blom & Abrie, 2021; Svenningsson, 2020; Su & Ding, 2022  
Starting point in previous research
- Mitcham 1994  
Four modes of manifestations: volition, knowledge, activity and object
- Kroes and Meijers 2006  
Dual nature of technological artefacts (physical and functional aspects, combines different ways of perceiving the world
- De Vries 2016  
Experience-based, micro- and macrotechnologies
- Image generated by: [chat.openai.com](https://chat.openai.com)







# MALMÖ UNIVERSITY

