

“If you choose to do a case study, you are therefore not so much making a methodological choice as a choice of what is to be studied.”
(Flyvbjerg, 2011, 301).



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CASE STUDY

Bent Flyvbjerg¹

This is a case of [phenomenon] in [context].

Four Years of Research in an Rural School



- Observations in classrooms
- Assessment interviews with kids
- Interviews with teachers
- Interviews with parents
- Observations of Family Math Nights
- Focus Groups with parents
- Recordings & photos of take home math activities

This is a case of [phenomenon] in [context].

1. A case of two Black children's engagement in preschool mathematics assessment interviews with a white interviewer.
2. A case of the impact of a literacy curriculum on mathematical engagements in a PK classroom in a rural school serving primarily Black families.
3. A case of two Black children's engagement in mathematics across three years as the move from PK to Grade 1 in a rural school.

Centering Children in Mathematics Education Classroom Research

Amy Noelle Parks
Michigan State University

Children's mathematical
engagements over time

Two children's
mathematical experiences
around a rural school over
three years

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Children's mathematical
engagements over time

In-class
observations of
the 2 children

Parent interviews
for the 2 children

Two children's mathematical
experiences around a rural school
over three years

Two children's assessment
interviews

Informal math experiences
for the 2 children

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Amy Noelle Parks
Michigan State University

The lunch menu

The teachers'
preparation
experiences

Children's mathematical
engagements over time

The math
curriculum

Other children's
experiences

In-class
observations of
the 2 children

Parent interviews
for the 2 children

Two children's mathematical
experiences around a rural school
over three years

Two children's assessment
interviews

Informal math experiences
for the 2 children

Kids experiences
in other
disciplines

What can case study do?

- Provide an Existence proof
- Falsify
- Generate or generalize to theory
- Provides counter-narratives to dominate stories/assumptions/beliefs
- Generate hypotheses
- Increasing practitioners repertoires of stories