

**1. What is our research question?**

What is the difference between how toddlers and students from grade 5 and 6 name shapes such as circles, trapezoids and hexagons?

**2. How does this research fit the theme of the project?**

The names of shapes are words in our language and we want to know whether toddlers already know these words or whether they use different words.

**3. What do we think will be the answer to the research question? And why do we think this will be the answer?**

[Researchers call this a 'hypothesis']

We think toddlers will use different words for shapes than students from grade 5 and 6, because toddlers do not yet know these words.

**4. Which persons or what materials are we researching?**

10 children from kindergarten and 10 children from grade 5 and 6.

**5. What is it that we will measure exactly?**

[Measuring can mean: measuring length, distance or weight.

Measuring can also mean: asking people in your research the same question and comparing the answers.]

We are going to look at the differences between the descriptions that toddlers give of shapes and those that children from grade 5 and 6 give.

**6. In what way will we do the measuring?**

[For example with a test, with a question or with interviews]

We show all the children three shapes one by one and we ask them to say what they see. The students are not allowed to hear from each other what they say. We write down the answers in a table.



**7. How many times or with how many people do we need to repeat our measuring to really know the answer to the question?**

10 students from kindergarten and 10 students from grade 5 and 6.

**8. How will we record the results while we conduct our research?**

[For example: make a table, keep a tally or write down the answers.]

We'll create a table, with a drawing of the shape and the answers of the students behind it.  
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**9. What should stay the same in our research and what should change?**

The same: the shapes, the way we ask the question

Different: the age of the students  
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**10. Make a plan: when will you do the different research activities.**

Activiteit:	Plaats/locatie:	Dag:	Tijd:

**11. What help and which materials do we need?**

- A drawing of the three shapes
- A room where we can test the students
- 10 students from kindergarten
- 10 students from grade 5 and 6
- Pen and paper

**12. From whom do we need permission, apart from the teacher?**

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**13. Who will do what in preparation and conducting our research?**

Naam:	Taken:	Wanneer af: