

Pre-Testing Filla&Rilla

- Safe Cycling Year-round with a
Digital Learning Environment

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Finnish Road Safety Council - Liikenneturva

- 57 member organisations
- 45 employees in central office and 12 regional offices
- Supervised by the Finnish Transport Safety Agency
- Tools
 - Communication, education and training
 - Research & data service
 - Support member organisations, volunteers and municipalities



Our goal is to support teachers with traffic safety education work

- The Finnish Road Safety Council is tasked with supporting life-long traffic safety education
- The support we offer to schools is one of our key activities.
- Motivated, well-trained teachers
- Materials and action models
 - Systematic, continuous, high quality traffic safety education through grades 1 to 9



What is Filla&Rilla?



Liikenneturva's Filla&Rilla

Fillarilla.fi

- Digital cycling education material targeted for grades 3. – 6.
- A free and web-based environment.



Technical execution

- WordPress publishing system and its LearnDash plugin
- Exercises are made using H5P.



Traffic safety education in core curriculum

- In grades 1 – 2 (7 -8 years) attention is paid to the pupils' **independent and safe mobility** in their surroundings, to the **use of protective and safety equipment**, and to improving the pupils' **skills and knowledge as pedestrian and cyclist**.
- In grades 3 – 6 (9 – 12 years) the pupils' **independent mobility in a wider area** and in public transport is supported. Particular attention is paid to the pupils' **skills of safe cycling** and **ensuring their own and other people's safety on the road**. The pupils are guided in **using appropriate safety and protective equipment** and taught to **recognize key symbols related to safety**.
- In grades 7 – 9 (13 – 15 years) the pupils are also guided to **act sustainably and responsibly in various situation in the traffic, particularly when riding a bicycle or a moped**, and to use protective and safety equipment, and **not to drive under the influence on intoxicants**.



The goal of Filla&Rilla is to promote children's safe cycling

1. Filla&Rilla develops children's knowledge, skills and attitudes that enable safe cycling year-round.
 - Knowledge of traffic rules.
 - Anticipatory and communication skills in traffic.
 - The appropriate use of safety equipment.
 - The understanding of oneself in traffic.
 - Riding skills.
2. Filla&Rilla promotes safety through children's actual behavior in traffic.
3. Filla&Rilla is widely and actively used.
4. Filla&Rilla supports the systematic and long-term work of educators.



Year 2018: Filla&Rilla 1.0

- Filla&Rilla was first time published in January 2018.
- Registration was required both teachers and students.
 - During the first year we had about 1500 registered teachers from 250 schools and about 5500 registered students
- Survey in January 2019 for teachers and user data analyzing showed
 - > Teachers liked Filla&Rilla, but they thought it was complicated and not easy to use.
 - > The study was not planned as we have hoped for



Year 2019: Filla&Rilla 2.0

- Updated version
 - No registration required so it should be easier to use in everyday life in school.
 - More guidance for students in which order to study
- Pre-testing in three different phases



Pre-testing Filla&Rilla



First Phase

- A Platform and exercise testing in order to find
 - technical malfunctions
 - Different devices and browsers
 - Clerical errors
 - Absence of lack of exercise feedbacks
- B Testing with experts
 - Filla&Rilla's structure, content and exercises
 - Teachers, expertise of traffic safety, rules and digital applications



Second Phase

- Testing with children and their parents
- To find out how Filla&Rilla's exercises are
 - Uderstandable
 - Motivating
- How long it takes to complete exercise modules
- 10 pupils from grades 3 to 6 with their parents
- Children's task were to complete modules and answer how fun it was
- Parent's tasks were to monitor the child and fill the form after every exercise module



Day:

Children's grade:

Device and browser:

Tested module:

Write down as detail as possible remarks when your child is doing exercises. We are interesting about following:

- Does child understand what she/he should do in the exercise?
- Does child have fun when doing the exercise?
- Was this exercise lower or faster to do than other exercises?

Exercise page	Comments
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	

How long time it takes to do the whole module:

Do you agree with following statements? 1-5
(1=completely disagree, 5=completely agree)

It was easy for the child to understand what to do in the exercises.

The child had fun when doing exercises.

Exercises were too difficult to do for the child.

It was easy for the child to make ready this module and concentrate for all exercises.

Write down all remarks of this module and about testing.



At the end, ask for a child following:
How fun it was to do exercises? (select by pushing)



How fun it would be to do these exercises again? (select by pushing)



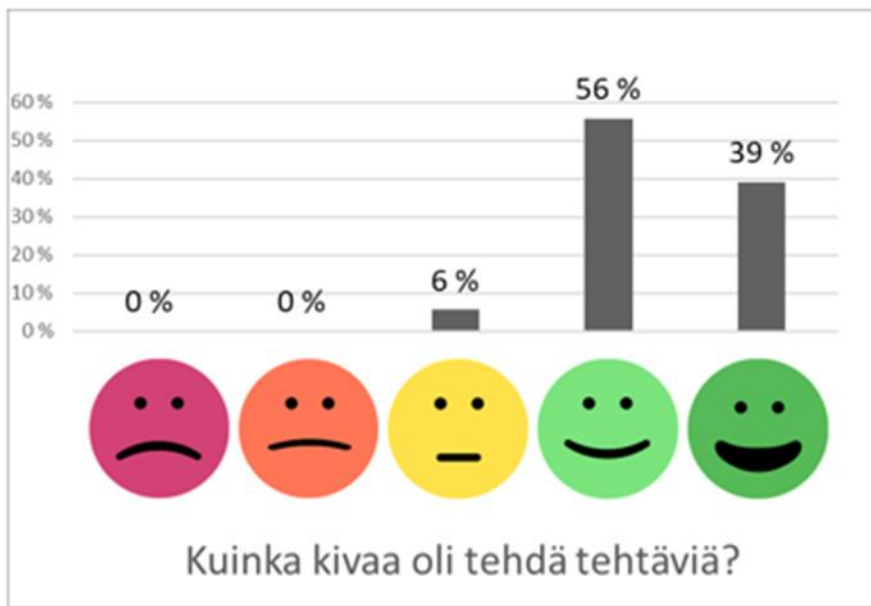
How fun it would be to do these exercises during the schooldays? (select by pushing)



Third Phase

- Testing with classes to find out
 - How usable and easy to use Filla&Rilla is in the classroom
 - Three schools and five classes in grades 3 to 6
 - Classes were monitored while they were using Filla&Rilla
 - Pupils filled forms after using material





How fun it was to do exercises?



How fun it would be to do these exercises again?

3rd grade pupils opinion about Filla&Rilla – everything worked as planned.



- In August 2019, an updated version of Filla&Rilla was published.
- Now Liikenneturva has digital learning platform for online courses
- We pre-test all courses before publishing them





Thank you!

Something to ask?

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Välitä, muista – ennakoi.
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