



Informing you about the
SCHOOL PATH



Liikkuvan Arjen Design

LIIKKUVAN ARJEN DESIGN **LAD & METROPOLIA** AMMATTIKORKEAKOULU
MONICA COTA LINDA VAN STIPHOUT CAMILLA ROUFFIANGE-AHMAD



WORKGROUP

MONICA COTA interior design

LINDA VAN STIPHOUT interior design

CAMILLA ROUFFIANGE-AHMAD interior design

design students / Metropolia Ammattikorkeakoulu



Liikkulan Arjen Design



Every day over 530 000 children,
between the ages of 7 and 15,
commute to school.

CONTENTS

I *INTRO*

Goals
Methods
Research

II *WEBPAGE*

Koulupolku.fi
Website layout and design
Presenting the website

III

PAMPHLET AND POSTER

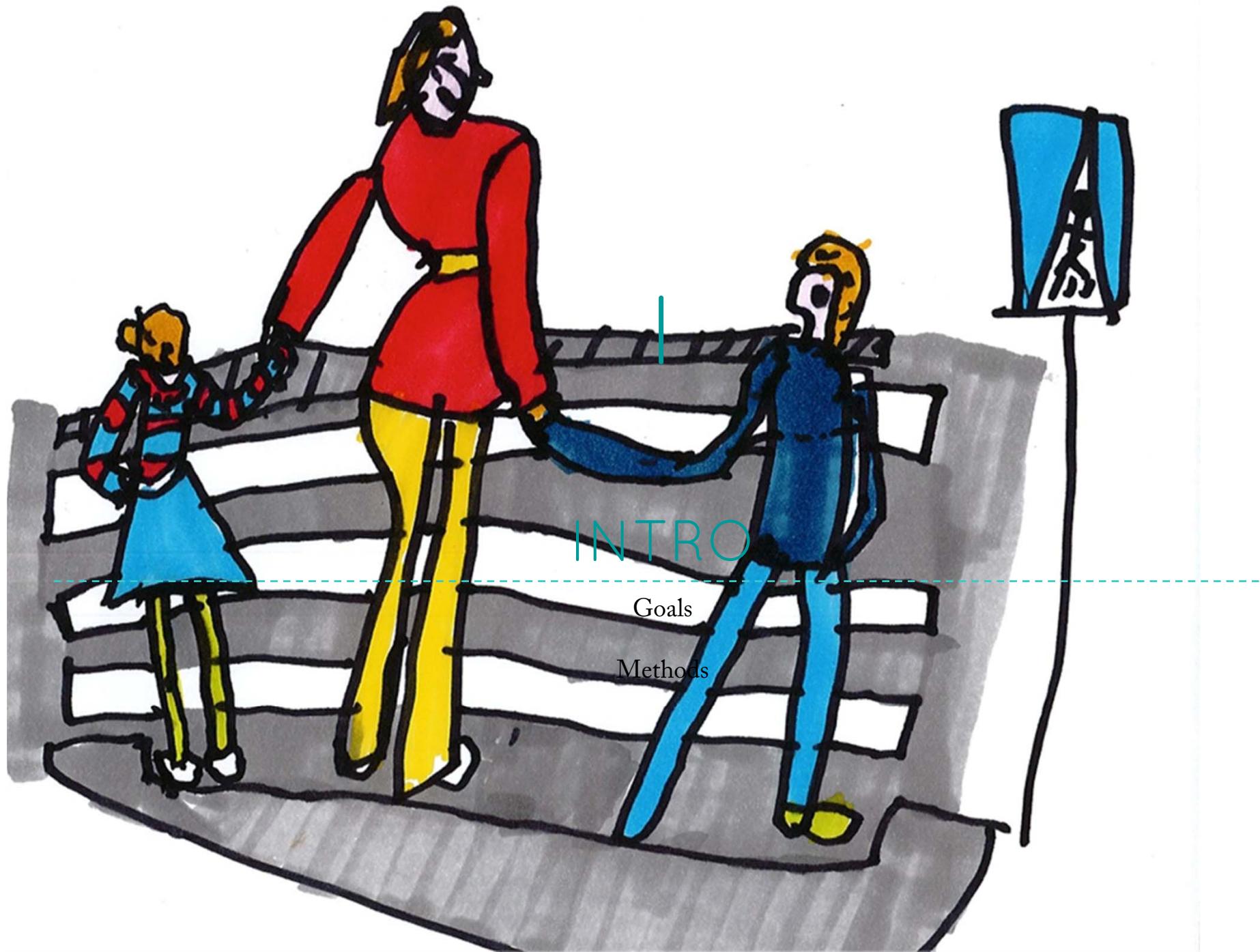
Pamphlet
Pop-up pamphlet
QR-codes
Poster

IV

CONCLUSIONS AND REFERENCE



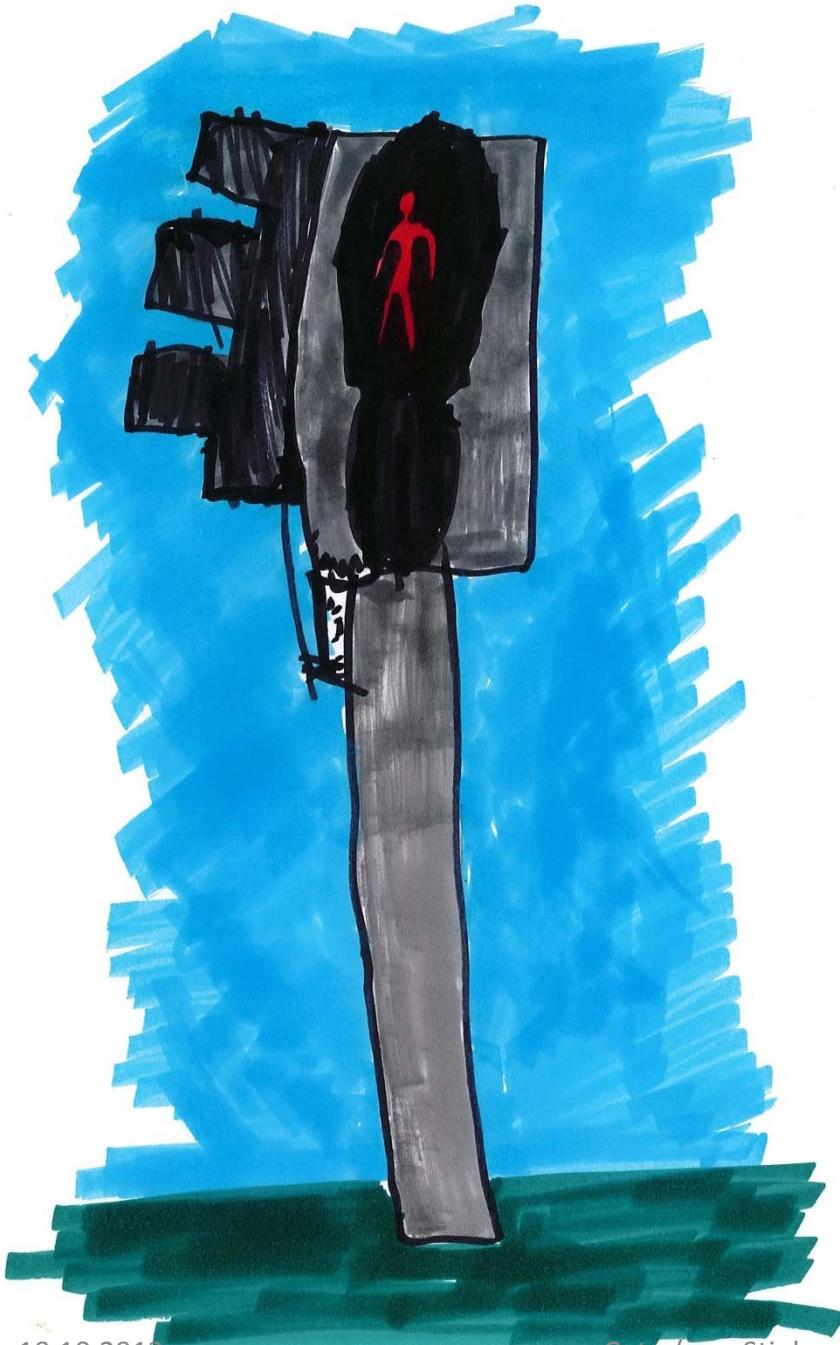
Liikkuva Arjen Design



INTRO

Goals

Methods



10.10.2013

Cota / van Stiphout / Rouffiange-Ahmad

GOALS

The aim of our project is to design an efficient **method of informing and educating** parents, children, schools and the public about the School Path and of traffic safety.



Liikkuvan Arjen Design

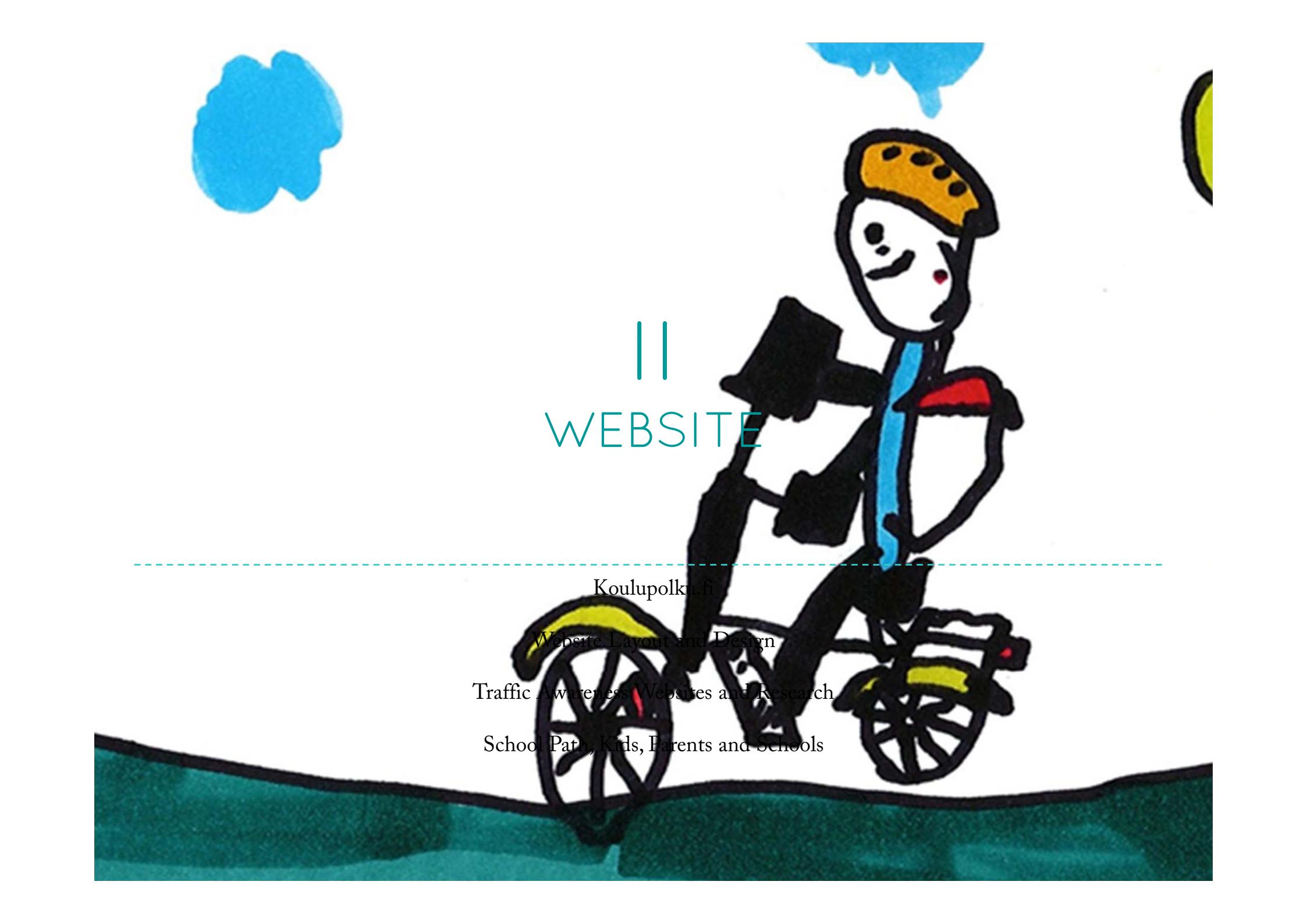
METHODS

How we are doing it:

- We are coordinating with the other school path group
- Researching Children's traffic environment
- Observing children's school routes

We will create tools for the children, school, parents, and public to inform about the School Path.

- Website
- Pamphlet
- Manual
- Poster



WEBSITE

Koulupolku.fi

Website Layout and Design

Traffic Awareness Websites and Research

School Path, Kids, Parents and Schools



KOULUPOLKU.FI

The purpose of the website is to

- inform about the School Path
- educate children, parents and road users on how to make children's school commute as safe as possible.
- one stop website where it would be possible to obtain all the necessary information

The website would be maintained jointly by Vantaa City and the schools. Vantaa City would maintain the general pages, the school would maintain the pages exclusive for that's schools School Path.

In the age of information technology, it is expected that information is found on-line.

The webpage needs to have more information than just the School Path

- Clear information
- Design is clean and simple
- Easy navigation
- Happy mood
- Bright colors
- Interaction

WEBSITE LAYOUT AND DESIGN

The Marja-Vantaa city planning want to take children into the development of the area.

This would be visible in the webpages by having children's drawings as a big part of the graphic image.



The webpage is divided into four parts.

GAME CONCEPTS

TRAFFIC ENVIRONMENT GAME

- The aim is to create a safe traffic environment
- The player creates safe cyclist and pedestrian walkways, adds lights, crosswalks, underpasses, traffic lights and parking places.
- solve the neighborhoods traffic and safety problems.

The inspiration for this game has come from games such as SimCity, Roller Coaster Tycoon and Minecraft.



10.10.2013



Cota / van Stiphout / Rouffiange-Ahmad



11

CYCLIST DRIVING GAME

- Inspired by driving theory tests and the hazard perception test
- Test cycling and perception skills
- The player cycles in different situations, the screen shows the view the cyclist has while biking.
- The player needs to click on the screen when he sees possible hazards.
- The game would also include a test with multiple choice questions.



SALLY GOES TO SCHOOL

- get Sally to school safely
- The game goes along school routes and stops at certain points.
- When Sally stops, a choice will come up and the player needs to choose the right option. The game will teach children traffic safety judgments.



Liikkulan Arjen Design

EVENT CONCEPTS

When planning an event you should take into consideration

- the students age,
- what kind the traffic environment is,
- the students' experiences,
- what their mobility needs are
- The student's individual skills

Liikenneturva has a vast website with lots of material on traffic education.

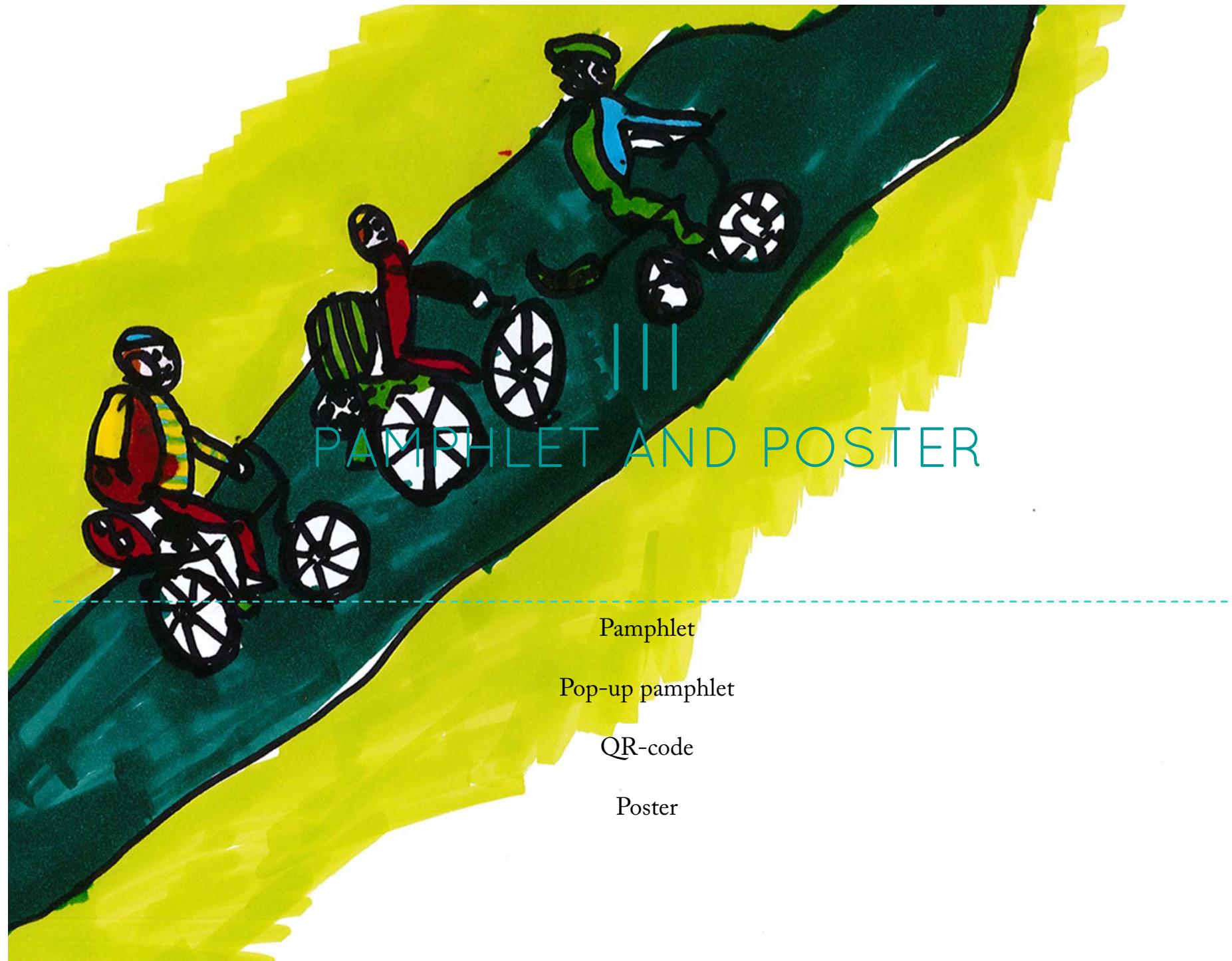
We have planned some events based on traffic safety events in other countries.

BICYCLE EXAM

- First everyone has a theory lesson, in which the children learn the meaning of the signs
- The bike's safety is tested (working lights, working brakes, are the tires hard enough etc.)
- Every child wears an orange or yellow vest with a number on it.
- All children cycle the same route.
- The children practice to deal with different types of situation and have to respond to them correctly.
- On almost every street corner there is a volunteer or parent, who notes the child's number and how the child behaves in the traffic.



Liikkulan Arjen Design



III

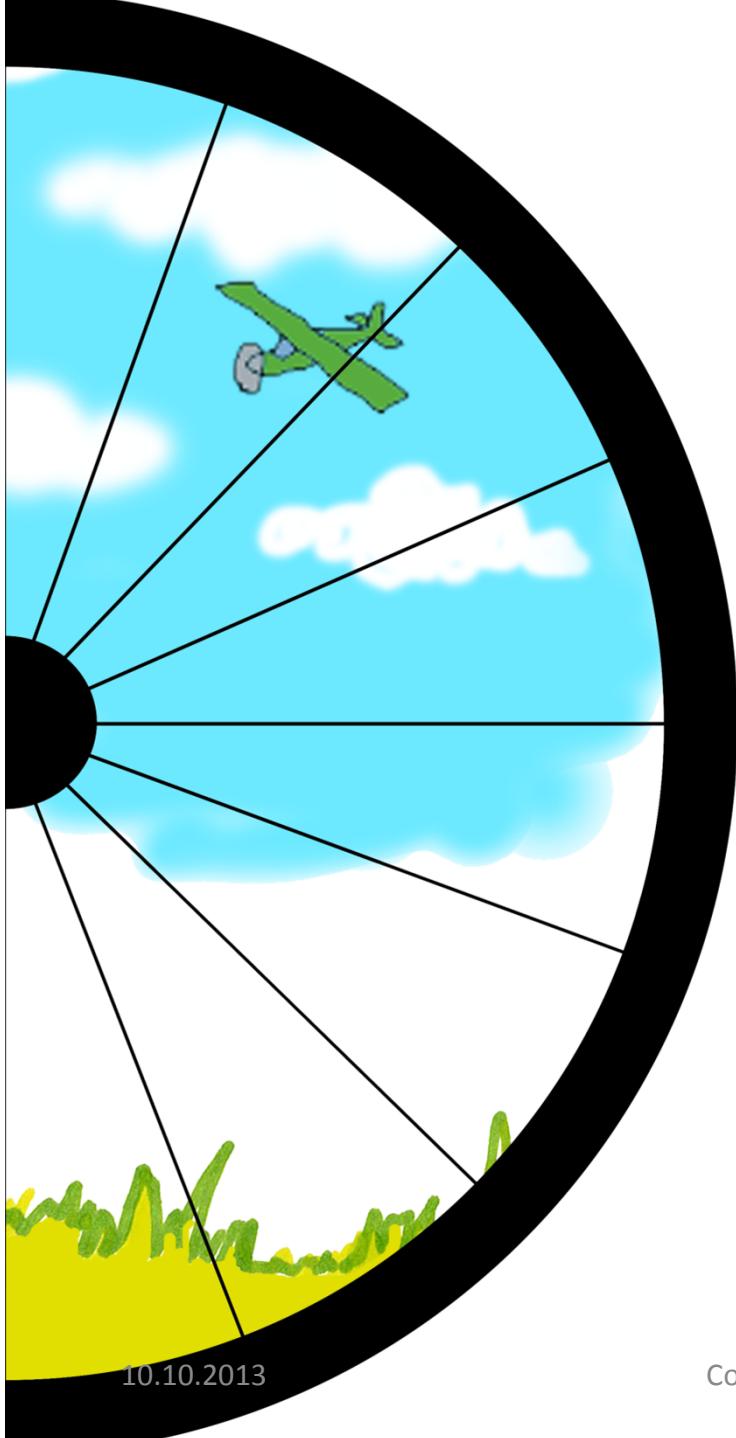
PAMPHLET AND POSTER

Pamphlet

Pop-up pamphlet

QR-code

Poster



PAMPHLET

Pamphlet to be given out at school and events.

Purpose

- Promote the School Path website
- Inform the public about the School Path
- Have basic information concerning children's traffic safety

IDEA

We got the idea for the pamphlet from pop-up books and cards. We wanted to design a pamphlet that is memorable and fun. The idea is that the pamphlet can be opened up so that it can stand on its own.



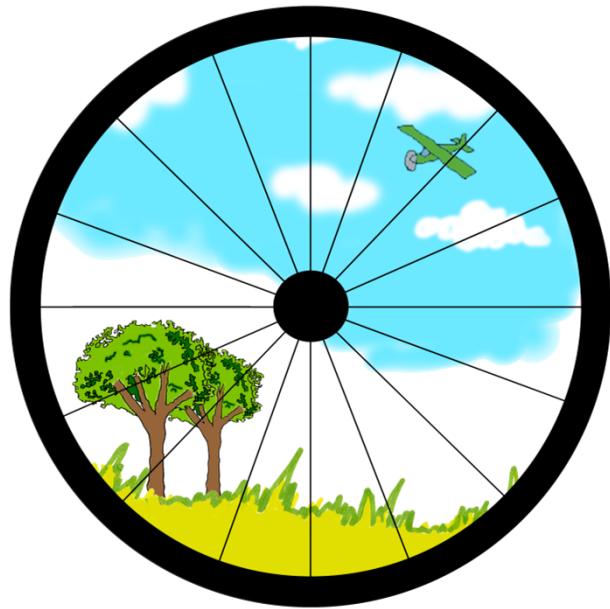
Liikkulan Arjen Design

10.10.2013



Cota / van Stiphout / Rouffiange-Ahmad

16

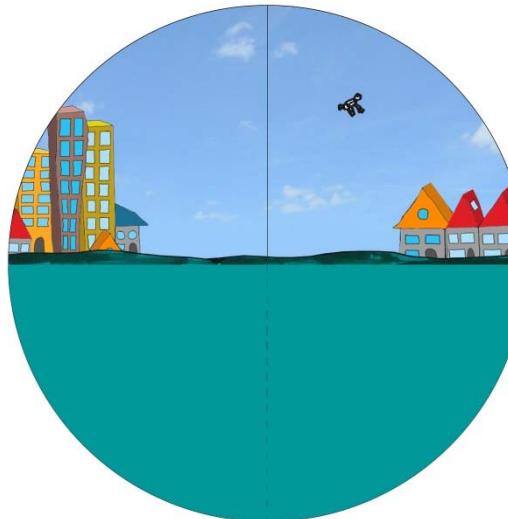
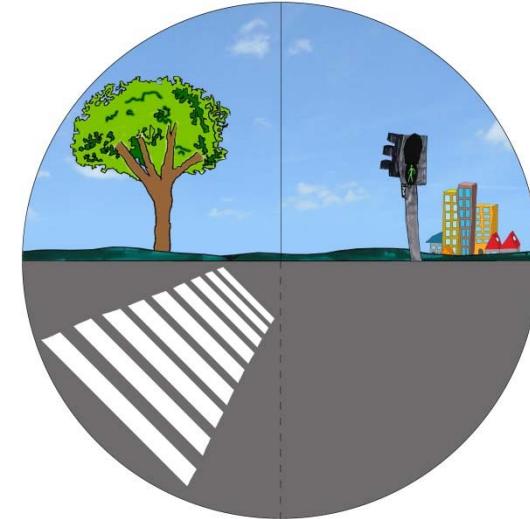
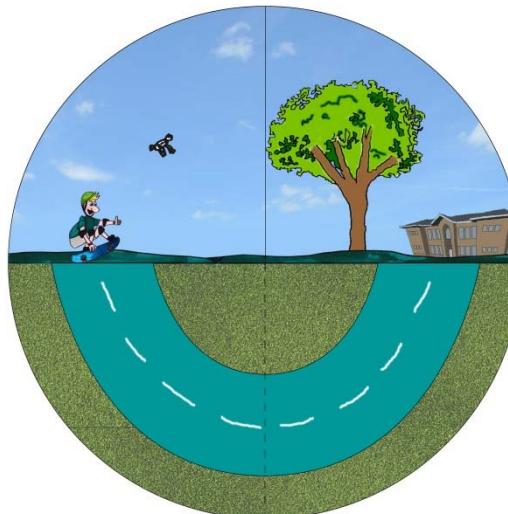


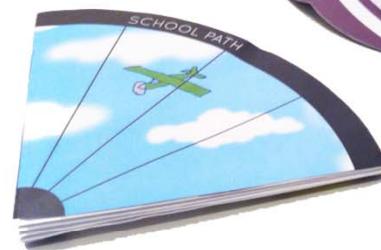
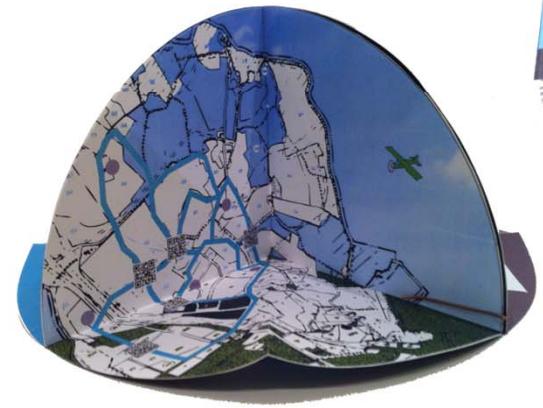
POP-UP PAMPHLET

The pamphlet is made up of five circles that are folded and glued together

10.10.2013

Cota / van Stiphout / Rouffiange-Ahmad





Liikkuva Arjen Design

QR-CODE

QR-codes are a fun way of engaging young people.

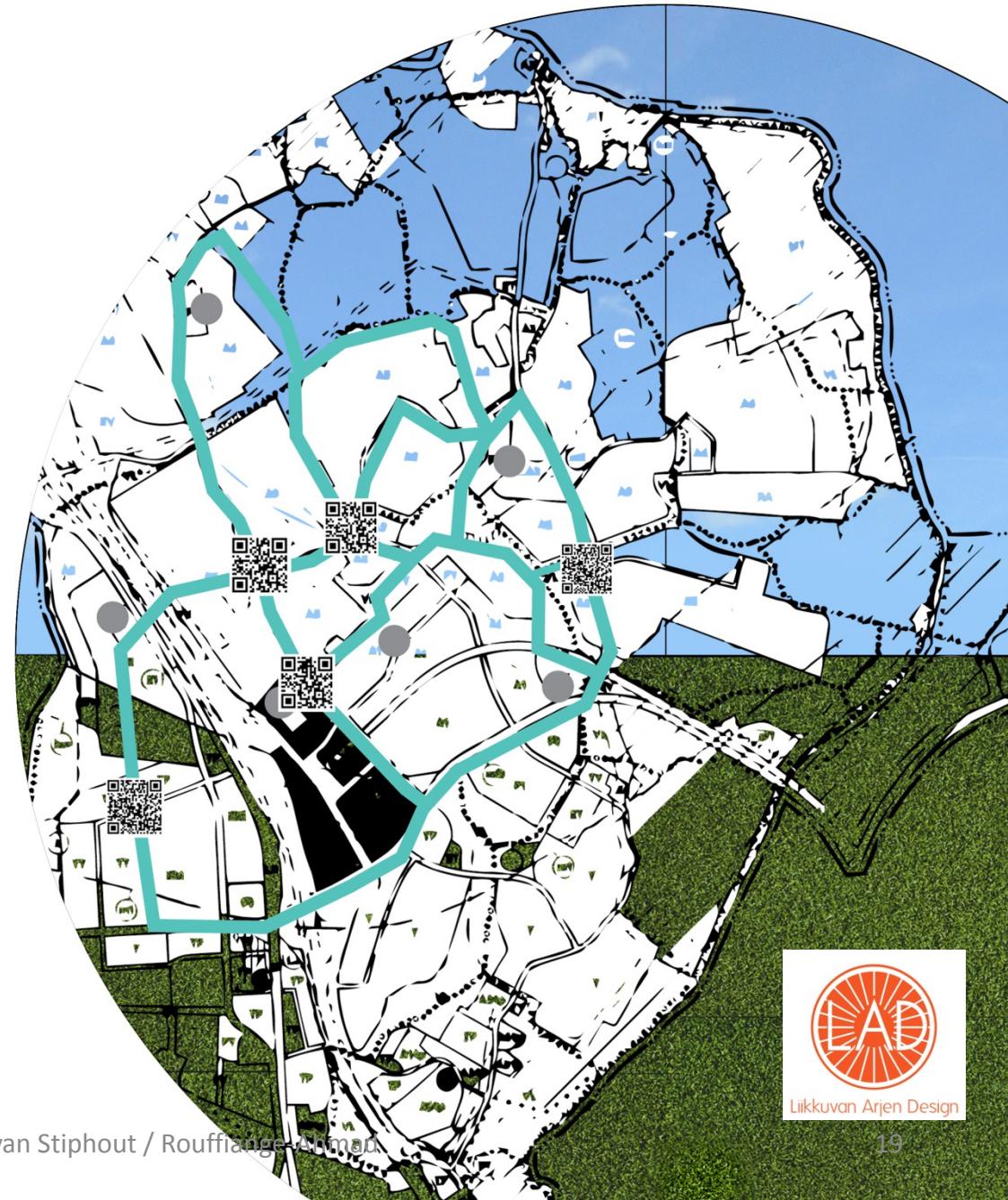
The QR-code is photographed with a smart phone and it opens up a webpage on the phone.

One of the codes links to the website.

On the pamphlet there is a map of the School Path with QR-codes.

10.10.2013

Cota / van Stiphout / Rouffiaange / Blma



19

[HOME](#)[SNAPSHOTS](#)[Kivistö](#)[Links](#)[kids](#)

SNAPSHOT 2

This is the school path route. The children are able to safely cross the road at this intersection by following the turquoise path and school path signs that are outlined in the same color.



By scanning the QR-codes, you are taken to the snapshot pictures on the website. The snapshot is of a particular area on the map and there is information on those particular places.

POSTER

A posters are an efficient way to attract attention.

The poster would be on display at schools, youth centers, sport centers, libraries and different types of happenings.

The poster is aimed at children and displays the School Path map with QR-codes, a QR-code for the website, and information about the School Path.



Liikkuvan Arjen Design

10.10.2013

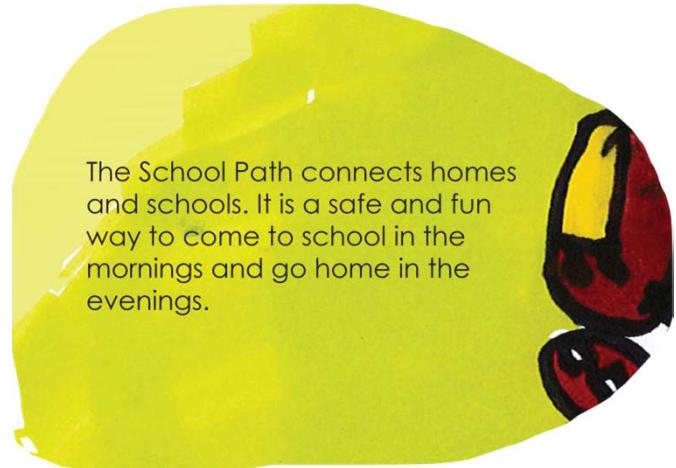


Cota / van Stiphout / Rouffiaange-Ahmad

Visit the website by scanning the QR-code.



21



The School Path connects homes and schools. It is a safe and fun way to come to school in the mornings and go home in the evenings.



The text on the poster would encourage children to go on the webpage, try out the QR-codes and to be curious about the School Path.

WEBPAGE

Scan the QR-code and visit the School Path webpage! There are lots of cool pages for you, your parents and your teacher to see.

SCAN THE QR-CODES

Check out the School Path! Do you know where the walking and cycling school bus stops are? Ask your parent to drop you off at a drop off zone. Find out the safest place to cross the road.

The School Path informs you about the School Path near you.

Find games, videos and craft ideas on the kids page. Learn about traffic signs and how to take care of your bike.

Tell your teacher about the page for schools. Plan a traffic education day at your school. Get some ideas from this page.

Are your parents worried about your safety. Tell them about this page.

Visit the website by scanning the QR-code.



Liikkulan Arjen Design



IV

CONCLUSIONS AND SOURCES

Conclusions

Sources

CONCLUSIONS

To inform children, schools, parents and the public efficiently, we propose that the following are created:

- Website
- Pamphlet
- Poster
- Video



Liikkulan Arjen Design

10.10.2013



Cota / van Stiphout / Rouffiange-Ahmad

24

SOURCES

GRAPHICS & PICTURES

Monica Cota, Linda van Stiphout,
Camilla Rouffiange-Ahmad, Maximilien Rouffiange

Website / Games:
turvapupu.net, yle.fi

Website / Game Concepts:
simcitizens.com, macworld.com, amazon.co.uk

Pamphlet / Idea:
lariscrap.typepad.com, flickr.com,
justusdesigncollective.com

LIIKKUVAN ARJEN DESIGN

Koulupolkumanuaali, 2012

INTERVIEW

Varpanen, Lea 29.9.2013, Vantaan Kaupungin kaavoituspäällikkö.

Lehto, Leila 18.9.2013. Kouluvirasto.

MAGAZINES

Nisula, Petri 2012. **Lasten ja nuorten pyöräily Vancouverin Velo-City konferenssissa.** Poljin 4/2012. Helsinki: Askonpaino Oy.

Nisula, Petri 2012. **Pyöräilevä treenibussi aloitti Tampereella.** Poljin 5/2012. Helsinki: Askonpaino Oy.

REPORTS (INTERNET)

Aarnikko, Heljä. Kyttä, Marketta. Myllymäki, Tiina 2002. **Lasten Näkökulma Tienpidossa. Esiselvitys. Tiehallinnon selvityksiä 53/2002.** Tiehallinto. Helsinki: Edita Oy. [webdocument]
http://alk.tiehallinto.fi/julkaisut/pdf/lasten_nakokulma_tienpidossa.pdf (3.9.2013)

Aira, Annaleena. Haapala, Henna. Hakamäki, Matti. Kämppi, Katariina. Laine, Kaarlo. Rajala, Katja. Tammelin, Tuija. Turpeinen, Salla. Walker, Martta. **Liikkuva Koulu -ohjelman pilottivaiheen 2010-2012 loppuraportti.** Liikunnan ja kansanterveyden edistämisyhdistö LIKES. Vaasa: Waasa Grapics Oy. [webdocument]
http://www.liikuvakoulu.fi/filebank/15-Liikuvakoulu_loppuraportti_web.pdf (16.9.2013)

Hancock, Peter A. 2004. **Do Children Have One Third Less Peripheral Vision Than Adults? International Journal of Occupational Safety and Ergonomics (JOSE) 2004, Vol. 10, No. 2.** [webdocument] <http://www.ciop.pl/9875> (11.9.2013)

Helsingin Kaupunki, Kaupunkisuunnitteluvirasto 2011. **Lasten liikenneturvallisuus Helsingissä.** [webdocument]
http://www.hel.fi/hel2/ksv/julkaisut/los_2011-5.pdf (10.9.2013)

Kiljunen, Matti. Peltonen, Heini. Salo, Pirjo 2004. **Vantaan Kaupunki Maankäytön ja Ympäristön toimiala kuntateknikan keskus, Vantaan Koulujen Liikenneturvallisuusselvitys.** Suunnittelukeskus Oy. [webdocument]
http://www.vantaa.fi/instancedata/prime_product_julkaisu/vantaa/embeds/vantaawwwstructure/29833_Koulujen_lt-selvitys.pdf (3.9.2013)

Psychol, J. 1986. **Peripheral vision and child pedestrian accidents.** [webdocument]
<http://www.ncbi.nlm.nih.gov/pubmed/3801789> (11.9.2013).

Sandels, Stina 1995. **Young Children in Traffic Series: Injury Classic Vol. II. pages 112-115.** [webdocument]
<http://injuryprevention.bmjjournals.com/content/1/2/112.full.pdf> (29.8.2013)

Tiehallinto 2008. **Uudenmaan tiepiirin koulujen liikenneturvallisuusselvitys, päivitys 11/2008.** Helsinki. [webdocument]
http://alk.tiehallinto.fi/julkaisut/pdf/liikenneturvallisuussuunnitelmat/uusimaa_koulut2_lts.pdf (2.9.2013)

Turpeinen, Salla, Lakanen, Laura, Hakonen, Harto, Havas, Eino & Tammelin, Tuija 2013. **Matkalla kouluun. Peruskoululaisten koulumatkat ja aktiivisten kulkutapojen edistäminen.** Liikunnan ja kansanterveyden julkaisuja 271. Jyväskylä: Liikunnan ja kansanterveyden edistämässäätiö LIKES.Sciences. [webdocument]
http://www.liikkuvakoulu.fi/filebank/520-Matkalla_kouluun.pdf (16.9.2013)

University of Helsinki 2013. **Liikenneturvallisuus.** [webdocument]
<http://www.edu.helsinki.fi/tt/koulutus/liikunta/LO/LIIKUNTA&TERVEYS/liikenne.htm> (2.9.2013)

University of Washington. **Development of sound localization.**
http://faculty.washington.edu/lawerner/sphsc462/dev_loc.pdf (11.9.2013).

INTERNET

American Academy of Ophthalmology. Normal Vision Development in Babies and Children.
<http://www.geteyesmart.org/eyesmart/living/children-vision-development.cfm>
(11.9.2013).

Baby Center Medical Advisory board 2006. Developmental Milestones: Hearing.
<http://www.babycenter.com.au/a6509/developmental-milestones-hearing>
(11.9.2013)
10.10.2013

Jokiniemen koulu, <http://www.jokiniemenkoulu.net>
22.9.2013

Koulukierros 2002,
<http://alhojarvi.jamsa.fi/liikenneromppu/tiedostot/index2.htm> 2.10.2013

Kaisaniemen ala-aste,
<http://www.hel.fi/hki/kaisa/fi/Etusivu> 11.9.2013

Lazaris, Lous 2009. **Designing Websites for Kids: Trends and Best Practices.** Smashing Magazine
27.11.2009.
<http://www.smashingmagazine.com/2009/11/27/designing-websites-for-kids-trends-and-best-practices/>
(17.9.2013)

Poljin.fi 10.9.2013

Mercedes-Benz. **Verkeerseducatieprogmanna RoadSense.** http://www.mercedes-benz.nl/content/netherlands/mpc/mpc_netherlands_website/nl/home_mpc/passengercars/home/world/sport_lifestyle/roadsense.html (23.9.2013)

ShopFactory. **Standaard Website Layouts werken het beste.** http://www.shopfactory.com/nl/contents/nl/p1023_Standaard_Website_Layouts_werken_het_beste.html (17.9.2013)

Velocity 2013. **Hazard Perception Test for Cyclists.**
http://velo-city2013.com/?page_id=2337&project_id=110
<http://dl.acm.org/citation.cfm?id=2509329>

Wikipedia 15.5.2013.
http://nl.wikipedia.org/wiki/30_km/h-zone
(10.9.2013)

Whiteside, John A. 1976. **Peripheral Vision in Children and Adults** Vol. 47, No.1 (Mar. 1976). Wiley.
[webdocument]
<http://www.jstor.org/discover/10.2307/1128316?uid=2447543775&uid=3737976&uid=2129&uid=2&uid=70&uid=3&uid=2447453135&uid=67&uid=62&sid=21102620524653>
(11.9.2013)



Leverage from
the EU
2007–2013



THANK YOU FOR YOUR
ATTENTION.

