



RĪGAS KOMERCSKOLA
Tālmācības vidusskola

Nordplus Junior Project Class 1 – 6

Promoting Environmental Awareness of Youth by Traveling and Exploring Natural, Cultural and Socio-economic Processes in the Northern European Region

Distance Education Secondary School «Riga Commerce School»



English, Class 4

1 Read the article and answer the questions.

DOLPHIN HURT BY FISHING NET



Last Saturday Elena Arena was out sailing in the sea with her dad. It was a beautiful day and they were having fun. Suddenly they heard a strange sound coming from some rocks next to the sea. Elena's dad sailed a little closer so they could see better. It was a dolphin and it was injured. It couldn't move because of a fishing net around its body. Elena's dad phoned the local

animal protection organisation and they went to help. They looked after the dolphin until it was better and it could return to the sea. It was a very happy day. Remember to keep beaches clean as plastic can hurt sea animals. Remember to use the recycling bin.

- 1 Where and when was the accident? *Last Saturday at some place.*
- 2 What animal had the accident? *A dolphin.*
- 3 What happened to the animal? *It was hurt by a fishing net.*
- 4 How did the story end? *It ended happily.*
- 5 What advice does the writer give? *You should keep beaches clean. You must put rubbish in the recycling bin.*

What is a 12-year-old boy doing to reduce the amount of plastic in our oceans?
Watch the video to find out! (*Ko dara 12-gadīgs zēns, lai samazinātu plastmasas daudzumu okeānā? Noskaties video, lai noskaidrotu!*)



<https://learnenglishkids.britishcouncil.org/video-zone/plastic-ocean-campaigner>

Exploring the environment and cultures and learning by doing in all school subjects

Recycling and Reusing – DIY Toys



Exploring the environment and cultures and learning by doing in all school subjects

Books Made By Ourselves



Exploring the environment and cultures and learning by doing in all school subjects

Natural Science, Class 6 «Volcanoes»



Exploring the environment and cultures and learning by doing in all school subjects

Class 1 & 2. Sorting waste and recycling at home



NORDPLUS JUNIOR PROJECTS

Class 1 & 2

Class	Author	Project
1	Jegors Gusevs	Nature For People, People For Nature.
1	Emīls Urtāns	Sorting Waste.
1	Ernests Urtāns	Sorting Waste.
1	Kalle Etkins	Sorting Waste at Our Home.
1	Ričards Bērziņš	Natural Resources. Trees. Waste Paper.
2	Dārta Būda	Nature For People, People For Nature.
2	Marianna Zadoretska	Natural Pollutant – Glass.

NORDPLUS JUNIOR PROJECTS

Natural resources.

Trees.

Waste paper.

AUTHOR: Ričards Bērziņš

ADVISER: Ina Kovaļeva



1. What are natural resources?



2. How many trees should be cut to provide one school with paper within one school year?
3. How long time does it take for a tree to grow?

2. Cik koku būtu jānozāgē, lai apgādātu vienu lielu skolu vienā mācību gadā ar papīru? Iztēlojies, ka mežā saskaiti un apskrien tik daudz kokiem apkārt!

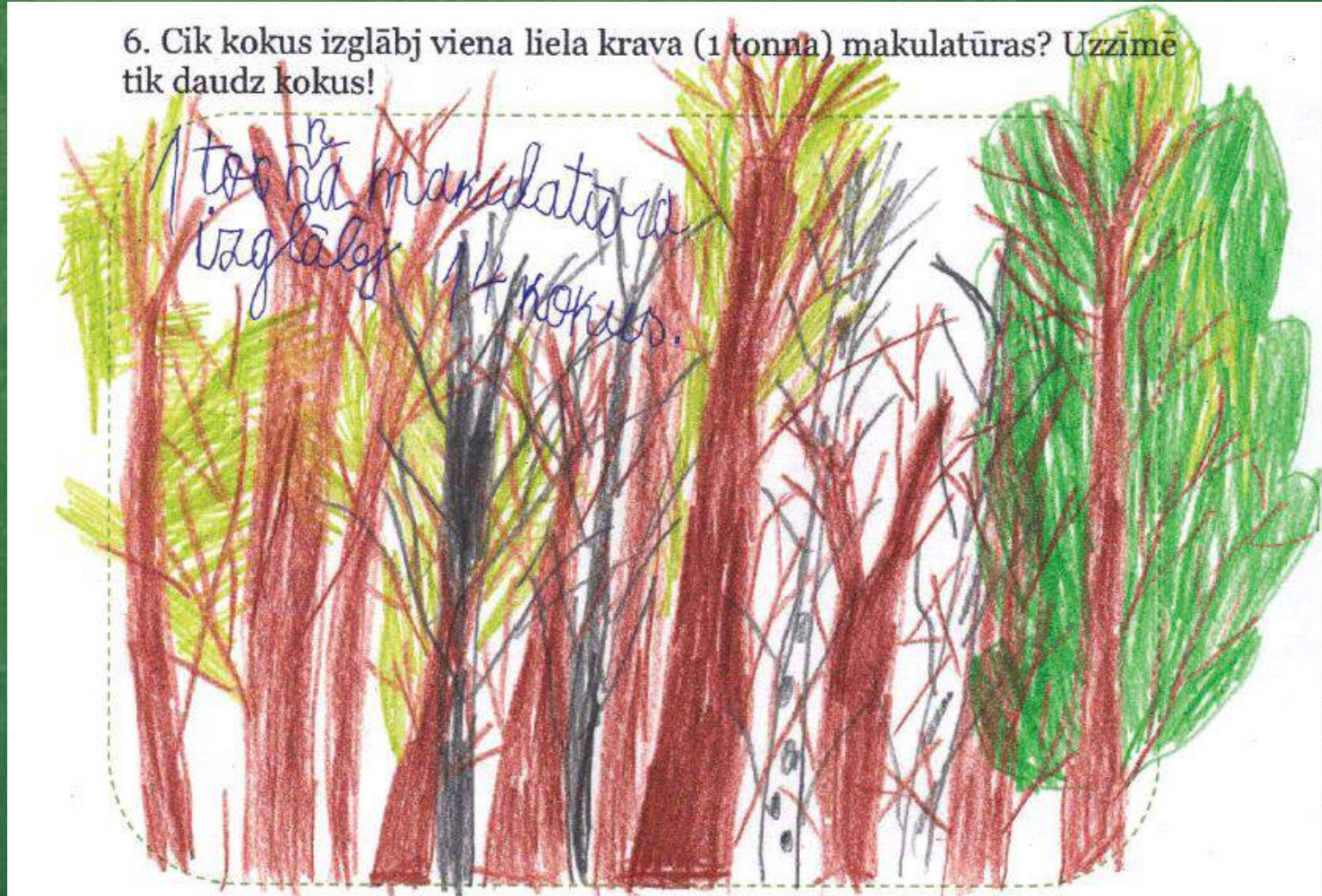
Vajadzētu nocirst 70 kokus.

3. Cik ilgi aug viens koks? Vai tavā ģimenē ir kāds tik vecs cilvēks?

Koks aug 20 līdz 40 gadu.

How many trees are saved by 1 ton of waste paper?

6. Cik kokus izglābj viena liela krava (1 tonna) makulatūras? Uzzīmē tik daudz kokus!





SAUDZĒ KOKUS!



Let's save trees!





Mēs ar tēti apgājām 70
nokienu b, 5 minūtēs. 70 koki
līnās daudz. Es negribētu,
lai tik daudz koku izcērt
skolas dēļ. Vajadzētu manu-
latīvu, lai rīsu vajadzīgo
skolai savāžos no manulātes.



NORDPLUS JUNIOR PROJECTS

Class 3

Class	Author	Project
3	Adelīna Bērziņa	The Path Of a Plastic Bag.
3	Aleksandrs Bērcis	The Path of Paper.
3	Gustavs Leibuks	Possibilities Of Reusing Different Materials.
3	Olivers Vaskis	The Path of Paper.
3	Damirs Koževņikovs	Waste Sorting Routine In Our Family.
3	Pauls Zariņš	The Path of Paper – a Game of Juice Carton.
3	Adelīna Bērziņa	The Path Of a Plastic Bag.
3	Ričards Krauklis	Possibilities Of Reusing Different Materials.
3	Matejs Purviņš	The Path Of a Plastic Bag.

NORDPLUS JUNIOR PROJECTS

The Path of Paper – a Game of Juice Carton

AUTHOR: Pauls Zariņš

ADVISER: Anete Biteniece



Choice of the topic

- ✓ Because I knew about paper path and recycling the least.
- ✓ Before that, I knew about the history of paper and wanted to know more about the use of paper today.



The Research

- ✓ How many Tetra Pack cartons of juice do my family use per week?

- ✓ What is the composition of a Tetra Pack packaging?

- ✓ Is it possible to recycle Tetra Pack?

- ✓ Which garbage should I throw Tetra Pack into?

- ✓ How to reuse a Tetra Pack?



Conclusions

- ✓ My family uses 15 Tetra Packs a week (200ml each).

- ✓ Tetra Pak is made of aluminium, paper and polyethylene and is very difficult to recycle.

- ✓ In Latvia and my place of residence it is possible to hand over the Tetra Packs for being recycled.

- ✓ I figured out how to use Tetra Packs a second time at home as a juice carton game for math training.

How I can take care of nature

- ✓ By sorting waste.
- ✓ By reusing the packages at home.
- ✓ By not using disposable plastic containers.
- ✓ By participating in nature clean-up events.



Let's save nature!



NORDPLUS JUNIOR PROJECTS

Class 4

Class	Author	Project
4	Andrejs Leimanis	The Path Of a Plastic Bag.
4	Jasmīna Muradova	The Path Of a Plastic Bag.
4	Elija Bondarāne	The Path of Paper.
4	Patrīcija Graudiņa	How To Reduce The Use Of Plastic In My Family.

NORDPLUS JUNIOR PROJECTS

The Path of a Plastic Bag

AUTHOR: Andrejs Leimanis

ADVISER: Velta Zīle

The Path of a Plastic Bag

NORDPLUS JUNIOR PROJECTS

Class 5 and 6

Class	Author	Project
5	Aigars Eglītis	The Possibilities In My Family, Region, Country To Reduce Climate Change.
5	Gvido Grunskis	Media Coverage Of Greenland's Climate Change. US Military Base «Camp Century».
6	Kristofers Rudzītis	Secrets of Greenland.
6	Renārs Vaskis	Alternative Electricity in a Household.
6	Viktorija Anna Mekša	The Possibilities In My Family, Region, Country To Reduce Climate Change.

NORDPLUS JUNIOR PROJECTS

Media Coverage Of Greenland's Climate Change. US Military Base «Camp Century».

AUTHOR: Gvido Grunckis

ADVISER: Aiga Daktere-Kalviške



*Image. «Camp Century» military base
(<https://www.sciencemag.org/news/2016/08/mysterious-ice-buried-cold-war-military-base-may-be-unearthed-climate-change>)*

The aim of the research

To research the information available on the internet and other media about Greenland's climate change and its impact on the US military base «Camp Century».

Climate change in Greenland

- ✓ The main problem that is covered in all the media is the melting of arctic glaciers and the rise of sea water.

- ✓ It affects wildlife, people, industry and political processes.

- ✓ It also affects the abandoned military bases in Greenland, because if the glacier melts, the pollution related to these bases can enter the ocean.

- ✓ It is not often that climate change has positive effect, but in Greenland it could benefit to the national economy. There will be new possibilities for mining, fishing, agriculture and trade when the glacier melts.

About US military base «Camp Century»

- ✓ There are more than 30 abandoned U.S. military bases in Greenland dating from World War II or the Cold War. Many Greenlanders live off hunting and fishing, and there's no way of knowing what has been polluted.
- ✓ Camp Century, a U.S. military base built within the Greenland Ice Sheet in 1959, doubled as a top-secret site for testing the feasibility of deploying nuclear missiles from the Arctic during the Cold War. When the camp was decommissioned in 1967, its infrastructure and waste were abandoned under the assumption they would be entombed forever by perpetual snowfall.
- ✓ Now, climate change has upended that assumption. New research suggests that as early as 2090, rates of ice loss at the site could exceed gains from new snowfall. And within a century after that, melting could begin to release waste stored at the camp, including sewage, diesel fuel, persistent organic pollutants like PCBs, and radiological waste from the camp's nuclear generator, which was removed during decommissioning.

Conclusions

- ✓ Climate change is not seen only as something negative in Greenland. It is seen also as a new opportunity to improve living conditions and Greenland's economy.

- ✓ We need to think what our current actions will bring for the future. As you can see in my research, the pollution from the past can create a lot of damage now and in the future.





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Thank you
for the attention!

Distance Education Secondary School «Riga Commerce School»