



**PROMOTING ENVIRONMENTAL AWARENESS OF YOUTH BY TRAVELING AND EXPLORING NATURAL, CULTURAL AND SOCIO-ECONOMIC PROCESSES IN THE NORTHERN EUROPEAN REGION**

## Research topics of the Nordplus project

### Grade 1-4

**IN NATURAL SCIENCES,  
VISUAL ARTS,  
SOCIAL SCIENCES,  
ENGLISH**

**The aim** - is to promote awareness of the importance of saving resources by developing skills to evaluate one's actions and activities in order to encourage people to live more environmentally friendly.

1. The path of a plastic bag **video** ;
2. Daily use of plastic, its reduction opportunities within the family - practical work;
3. The path of paper **video** ;
4. Possibilities of reusing different materials - practical work;
5. Themes through the book "Draudzēsīmies" ("Let's Be Friends") - **read here** , and a game: **Don't feed the landfill**

### Grade 5-6

**IN NATURAL SCIENCES,  
ENGLISH**

**The aim** - to promote understanding of the processes taking place in the natural environment, climate change and their solutions at the local, national and global levels, obtaining information from various sources, systematizing facts, searching for and finding solutions for gentle actions, understanding the importance of changing daily habits.

1. Reflection of the climate change in Latvia in media;
2. Reflection of the climate change in Greenland in media.

**IN SOCIAL SCIENCES,  
ENGLISH**

1. Climate change mitigation possibilities in my family, county, country.

## Grade 7-12

**The aim** - to promote young peoples' understanding of environmentally friendly behavior by improving knowledge, skills and attitudes in the field of environmental education, solving problems in changing real life situations, leading to lifelong achievements, promoting quality, creativity and innovation in education using the latest technological advances.

### IN LATVIAN AND WORLD HISTORY

1. Preservation of "Suiti" traditions today;
2. Fishing villages on the coast of Kurzeme;
3. Riga wooden architecture - an important part of Latvian cultural history;
4. Development of excursion routes "Historical Center of Kuldiga";
5. The role of natural resources in the economic and political interests of the United States in Greenland;
6. The development of the culture of the indigenous peoples of Greenland in relation to nature ";
7. Preservation of Inuit ethnic identity in today's changing environmental conditions ".

### IN ECONOMICS

1. Trade routes, ports, their development trends in Greenland;
2. Natural resources, possibilities of their use in Greenland;
3. Natural resources, possibilities of their use in Latvia;
4. Economic cooperation partners in Greenland;
5. Export and import in Greenland;
6. Fishing and hunting in Greenland;
7. Primary sector fields, their impact on the natural environment in Greenland;
8. Primary sector fields, their impact on the natural environment in Latvia;
9. Secondary sector fields, their impact on the natural environment in Greenland.

### IN GEOGRAPHY

1. Myths and truths about global climate change;
2. The main causes, effects and consequences of climate change in the world;
3. Climate change in Latvia - a challenge or an opportunity?
4. Climate change in Greenland - a challenge or an opportunity?

### **IN GEOGRAPHY**

5. The level of the Baltic Sea, its changes, consequences in the future;
6. Coastal changes, erosion - in Latvia or Greenland;
7. Glaciers, conditions of their formation, development trends in Greenland;
8. Waste, its management, development trends in Greenland;
9. Waste, its management, development trends in my city, region, Latvia;
10. Climate change prevention and reduction opportunities in my family, region, Latvia;
11. Climate change prevention and reduction opportunities in Greenland;
12. Research of factors influencing weather conditions;
13. Civilization and climate change;
14. Quality of life and attractiveness of the place;
15. Population migration and mobility in Greenland;
16. Changes in air temperature and pollution, global and Greenlandic trends;
17. Changes in air temperature and pollution, development trends in my city, region, Latvia;
18. How does climate change affect Latvia's forests?
19. Latvian forests - climate change mitigators.
20. Globalization - a challenge or an opportunity for climate change in the world, Greenland, Latvia?
21. Territorial structures of transport systems in Greenland, Latvia;
22. Territorial structures of industry, energy and services in Greenland;
23. Territorial structures of industry, energy and services sector in Latvia;
24. Changes in climatic indicators (for example, air temperature, precipitation, wind, snow cover, soil temperature, duration of sunshine) in the territory of Latvia.
25. Changes in climatic parameters (e.g. air temperature, precipitation, wind, snow cover, soil temperature, duration of sunshine) in Greenland.

### **IN BIOLOGY, NATURAL SCIENCES**

1. Impact of abiotic, biotic and anthropogenic environmental factors on Greenland ecosystems;

### **IN BIOLOGY, NATURAL SCIENCES**

2. Influence of abiotic, biotic and anthropogenic environmental factors on Latvian ecosystems;
3. Genetic adaptation of Inuit to a high-fat diet compared to Western European nations.
4. Distribution of rare plant species and their determining factors in Latvia.

### **IN CHEMISTRY**

1. Comparison of CO<sub>2</sub> in regions and cities - in Latvia and Greenland;
2. Ozone pollution in Latvian and Greenland cities;
3. Comparison of phosphate ion pollution in Latvia and Greenland in surface waters.

### **IN PSYCHOLOGY**

1. Psychological aspects that promote changes in values, habits and moral behavior;
2. Critical thinking and problem solving;
3. Creativity and civic co-responsibility in the society of the future.