

Keravanjoki school Finland

- ▣ grades 1-9
- ▣ students 7 - 15 years
- ▣ 700 students
- ▣ 57 teachers

- ▣ **Mari Spanos**
 - ▣ Vice-principal, class teacher, 6
- ▣ **Merja Tuurala**
 - ▣ Biology and geography, 7 - 9
- ▣ **Jaakko Salmi**
 - ▣ Mathematics, chemistry, physics, 7-9



Science teaching in Keravanjoki school



Primary school

1st – 4th grade

Environment and nature studies

5th – 6th grade

Biology and geography
Physics and chemistry

Lower secondary school

7th – 9th grade

Biology
Geography
Physics
Chemistry

Weekly hours in Keravanjoki school

ENVIRONMENT AND NATURE STUDY

1ST	2 HOURS
2ND	2 HOURS
3RD	2 HOURS
4TH	3 HOURS

BIOLOGY AND GEOGRAPHY CHEMISTRY AND PHYSICS

5TH	2 HOURS	1 HOUR
6TH	1 + 1 HOURS	1 HOUR

	BIOLOGY	GEOGRAPHY	CHEMISTRY	PHYSICS
7TH	1	1	1	1
8TH	1	1	1	1
9TH	1,5	1,5	1	1

Themes

	Environment and nature studies	
1st grade	Me and the environment around me We live in Finland Winter and spring Everyday life	
2nd grade	Where do we get our food? What is a map? Planets How to find information?	
3rd grade	Plants and animals near your home What do you see in the map? Finland (geography) At home and at school	
4th grade	Life at a farm Scandinavian and Baltic countries Life in water Healthy life	
	Biology and geography	Physics and chemistry
5th grade	Europe Africa (desert, savannah and rain forest) Spring and summer in the garden Human biology	Water Air Space Power
6th grade	Healthy living Life in the forest Asia, Oceania and Australia	Organic and inorganic materials Home chemistry Electricity Energy

contents

Grades	Biology	Geography (Physical and Human)	Chemistry	Physics
7th	Waters of Finland: Lakes, rivers and the Baltic See	The Earth, Continents	Basics: Elements, compounds; water, oxygen, hydrogen	Voice, light; astronomy
8th	Forests of Finland	Europe	Periodical table of elements; structure of atoms; reactions acids, bases, salts	Mechanics, thermodynamics (+ environmental effects)
9th	Human biology	Finland	Organic chemistry: Structures, nomenclature, use. e.g. circulation of carbon in nature; green house effect	Electricity, radioactivity, nuclear physics