



„Whoever drinks the water”



Erasmus+

SZRG | CSG Prins Maurits | November 2019

WATER AND HEALTH

- recreation
- cure for diseases

How extensively are we using the thermal water treasure?

- level of availability
- affordability

Thermal water

- sources
- chemical components
- recreational purposes

Medicinal water

- variety
- what health problems can be cured

DRIPSTONE CAVES

How were they formed?

How can they be protected?

What specific actions should we take under the ground and above the ground in order to preserve them?

What benefits of them can people enjoy?

Which of these cave /karst related phenomena / activities affect the most people?

sports / caving, karst water, treatment for lung related diseases, tourism for natural beauty

CLIMATE CHANGE IN THE CARPATHIAN BASIN

What changes have been experienced so far?

What effects are expected in the future in the area?

What should be done to reduce serious effects?

How to save water?

What sustainable solutions could/should be used in a household?

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HEALTHY POTABLE WATER

What makes a 'water conscious' person?

SWOT analysis of drinking mineral water vs drinking tap water (costs, sustainability, health issues)

What are the different sources of potable water in Hungary?

TOO MUCH WATER: FLOODS

What are the different protection methods/tools from floods?

What makes the Carpathian Basin unique regarding floods?

What are the transboundary issues concerning the watershed of River Danube and River Tisza?

What sustainable solutions can you imagine to irrigation problems?

ROBLEM TWO

Why has the Danube Bank in Budapest been recognised as a UNESCO World Heritage Site? What is the role of the Danube in the history of the settlement of Szentendre?



**CSG Prins Maurits –
Szentendrei Református
Gimnázium**

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Exchange 4-12 October 2021

Proposed subthemes for exchange Hungary – Netherlands



- 1.Sedimentation → polders (*Friesland, Holwerd*) 10 – 12 – 17
- 2.Drinking water as well as Room for (*Biesbosch / Petrusplaat*)19 – 43 – 50 – 68 -69
the River (RvR) final stage -- 70
- 3.Fisheries / Aquaculture (*Seafarm.nl, salty vegetables*) 36
- 4.Draughts and hot summers (*IJsselmeer and rivers tour*) 37 – 62 – 63 – 64 - 65
- 6.Coast and Coastal defences (*Zandmotor walk around*) 10 – 48 – 49 – 80 – 81
- 7.Terps, Wierden → Dikes → Zandy defence (*Hegebeintum*) 11 – 52 –
53 - 48

Life in and food from the salty coastal areas

Zand and even more zand..... The coastline

Waterworks testing forest

In and around the Frisian province, water, water and even more water (Sailing
through the park)

Problem: design an experiment or a demonstration of your subtheme to 14 year-old students. Also prepare a short presentation with pictures of your own explaining what you've learnt.

zandmotor.png (1200×800) (dezandmotor.nl)

SZENTENDREI
REFORMÁTUS
GIMNÁZIUM

AND

CSG PRINS MAURITS

May 9-16 2022
Hungary



**WHOEVER
DRINKS THE
WATER**

PROBLEMS FOR THE FIELD TRIPS



PROBLEM ONE

What substitutes to the sub-Mediterranean climate in Tihany? What elements of the flora and fauna that the climate is sub-Mediterranean? What do the geological formations tell you about the history of the peninsula? What is the difference between a geyser and a hot spring? Explain how geysirite rock is formed?



PROBLEM TWO

Why has the Danube Bank in Budapest has been recognised as a UNESCO World Heritage Site? What is the role of the Danube in the history of the settlement of Szentendre?



PROBLEM THREE

How different are the sources of healthy potable water / drinking water in Budapest, in Szentendre and Tihany? Compare the ecological footprints of bottled water /mineral water and tap water? Why do some people prefer mineral water to tap water?



PROBLEM FOUR

How was the Tapolca Lake Cave formed? How does the water level change around the year?



PROBLEM FIVE

How different is the thermal water in Rudas Spa from the one in Hévíz? Why is Lake Hévíz unique? What makes a thermal lake biologically active?



PROBLEM SIX

How does the climate change affect the ecosystem and water level of Lake Balaton? What is the chance of Lake Balaton drying up in few years? What could be the reasons? Drought, deforestation, overgrazing, pollution, climate change or water diversions- or all of the aforementioned?

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Erasmus+ KA229

Hungary

2022



PROBLEM SEVEN

How different types and forms of water are used for recreational and medicinal purposes in baths/spas in Hungary? What are the benefits of each type and form?



PROBLEM EIGHT

How diverse is wildlife in Lake Balaton and Small Balaton? What animal species can be identified as typical of Small Balaton?



PROBLEM NINE

What Small Balaton has to do with water quality in Lake Balaton? What makes the water in Lake Balaton opaque?



27 May -3 June 2022



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'WHOEVER DRINKS THE WATER'

CSG PRINS MAURITS – SZENTENDREI REFORMÁTUS GIMNÁZIUM

1) How is wind used for beach sports?

www.natural-high.nl

2) How did the 1953 floods influence the storm surge barrier plans?

www.neeltjejans.nl

3) How are vegetables grown in salty soil?

www.zeeuwsziltzeegroenten.nl

4) How were windmills used for water management?

<https://www.kinderdijk.com>

5) How soil drilling is done properly?

www.levenderivieren.nl/voorbeelden/noordwaard