ROVINJ - THE UNDERWATER PEARL
“and I watch the sea as it climbs to
and I listen to the sea, good morning it says ...”

Josip Pupacic
Goals...

- learning about sea ecosystem
- developing ecological consciousness of young
- encouraging cooperation with scientific institutions and touristic economy
- promoting Rovinj as a diving destination
- to encourage students' love towards the natural underwater wealth by experimental learning methods
- developing students' creativity and entrepreneurial spirit
The idea about the project was born after participating at the 5th Underwater Film Festival “White Lion”...students showed great interest for the mysterious underwater world.
a model of Baron Gautsch steamship, the Croatian Titanic

built by students of Eugen Kumičić secondary school

2014 - 100th sinking anniversary
*dr. sc. Ljiljana Iveša from the Center for Marine Research in Rovinj gave a lecture “Macroalgae in the Istrian littoral” in the Culture House on 21st of April 2015.

...she acquainted us with the underwater patchwork.
The Diving Education

This is how it all began...

...attentive listening of an experienced diver about the diving equipment and behaviour in the underwater world.
Neno: "When you breathe in, your mask has to remain stuck to your face.. 😊 that’s how you’ll know that it fits you."

We all needed little help from the instructors with dressing...
... somebody looks forward to and can barely wait for that magical moment of diving...

...this lead is so heavy??
...we still managed to get dressed and everything is OK!
Here we go! 😊
... the sea
and we...
...socializing with sea organisms...
... the diving education has successfully ended, Valeria is signalling that we should inflate the compensator and get back to the surface...
The World Environment Day
6th of June 2015

- eco-action of cleaning of beaches and underwater in front of the Istra hotel on the Saint Andrija Island (The Red Island) to preserve cleanliness of the sea and the coast
- raising of the Blue flag, international eco-rewardde
We are descending into action...

... and filling the bags...
... we are moving on...
pulling out the ropes...
...we weren’t just cleaning, but taking water samples as well, because of sanitary analysis, so that we could evaluate the hygienic water quality...
We took seawater samples on 3 locations...
we analyzed the water samples in the laboratory of the Center for Marine Research Ruđer Bošković, in the company of dipl. ing. Paolo Paliaga.

Via method of membrane filtration, we filtered 100 mL of a sample from each location...

...membrane filter with the invisible material we put in a dish with a specific agar.
In the dish 1 we planted a material in which fecal coliform bacteria can develop.

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Dish 1
AGAR: MFC

Dish 2
AGAR: Slanetz-Bartley

*In the dish 2 we planted a material in which fecal streptococci bacteria can develop.
*Samples, on which we analyzed coliforms, we incubated for 24 h at 44, 5 °C

*Samples, on which we analyzed streptococci, we incubated for 48 h at 37 °C
Results...

We counted the resulting bacteria colonies.

Conclusion...

- on all locations the number of coliforms and streptococci was below the limit values
- according to these indicators, the sea is clean and suitable for bathing

...researched by students of secondary school of Zvane Črnja Rovinj
Finally we rose the Blue flag!

We are taking care of our sea and islands, may our environment be clean!
If you respect the sea, it gives you some new life, some new satisfaction as it has given to us:

**Project leader:**

*Marija Orbanić, dr. vet. med*

**Teachers:**

*Kristina Stojšić, prof. of English language and literature – prof. of History*

*Cinzia Banko, dipl. oecc.*

*Sladana Jančić, dipl. oecc.*

*Boban Memedović, dipl. ing. el.tech.*

*Goran Martinović, ing. of mechanical engineering*

**Project leader:**

*Pamela Budicin, prof. of biology and chemistry*

**Teachers:**

*Mirjana Ilić, prof. of Croatian language and literature – prof. of Italian language and literature*
Students:

Gabriel Ilić, 1st grade, t.-hotel. commerc.
Adrian Janjiš, 1st grade, t.-hotel. commerc.
Dominick Lutrović, 1st grade, t.-hotel. commerc.
Sebastijan Sošić, 1st grade, t.-hotel. commerc.
Esmir Sulejmanoski, 1st grade, t.-hotel.commerc.
Monika Cvetinčanin, 1st grade, t.-hotel.commerc.
Leon Kreasina Karačić, 1st grade, cook
Matteo Sirotić, 1st grade, cook
Paolo Hrvatin, 1st grade mechanic
Filip Marić, 2nd grade, waiter
Mateo Žufić, 2nd grade, mechanic
Tea Marić, 2nd grade, t.-hotel. commerc.
Leonardo Muzić, 2nd grade, cook
Ivan Blažević, 3rd grade, t.-hotel.commerc
Amir Bašić, 3rd grade, t. - hotel.commerc

Students:

Arta Qosa, 1st grade, economist
Ivona Ivić, 1st grade, economist
Ryan Bertetić, 1st grade, economist
Andrea Pavlović, 1st grade, economist
Valeria Pezić, 2nd grade, general gymnas.
Valentina Peteh, 2nd grade, general gymnas.
Filip Komšić, 2nd grade, general gymnas.
Tena Japundža, 2nd grade, general gymnas.
Erik Jakov Leko, 2nd grade, gymnas. of nat. sciences and mathematics
Emili Vidan, 2nd grade, gymnas. of nat. sciences and mathematics
Thanks to 😊 ...