

CITTA' DELLA SCIENZA NAPOLI



“MATEMATICA NEI MONDI VIRTUALI:

UN GIOCO SULL'ISOLA GALLINARA”

ISTITUTO COMPRENSIVO ALBENGA I (SV)

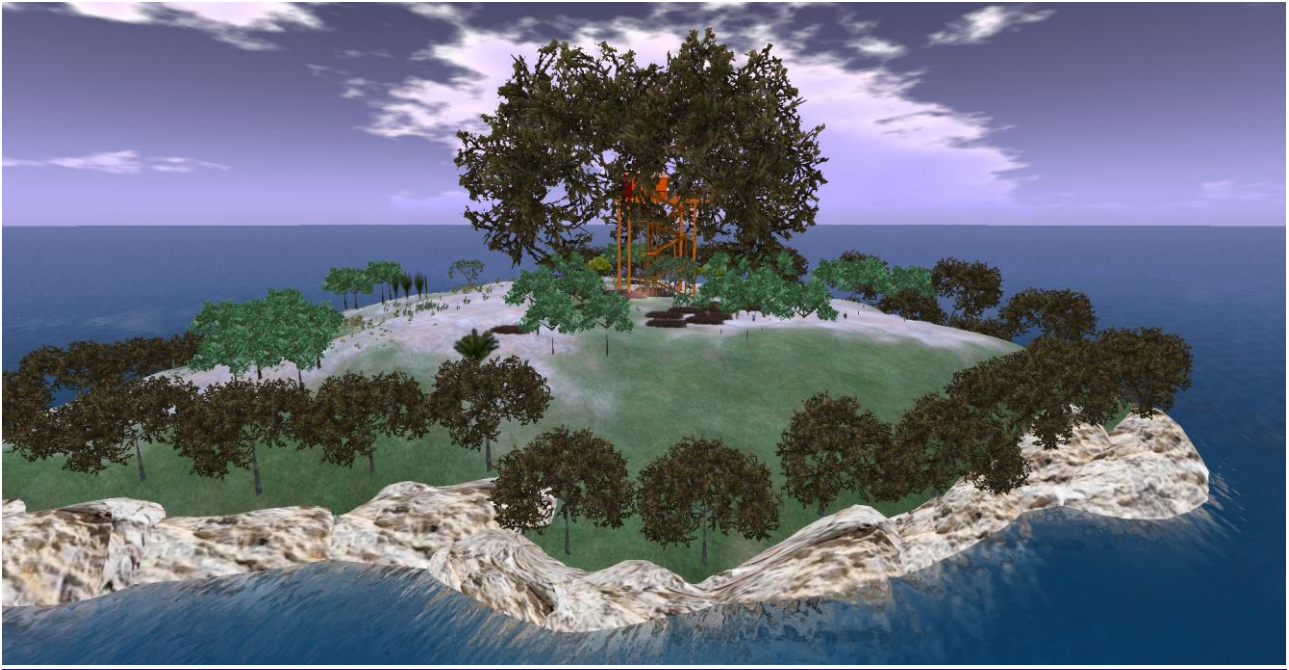
Dirigente dott. Riccardo Badino - Tutor prof. Giliola Giurgola

TEACHING IN VIRTUAL WORLDS MATH GAME

Gallinara is a beautiful island nature reserve, it is located in front of our Italian school in LIGURIA.



<http://www.youtube.com/watch?v=hKcU7g5W9bc>



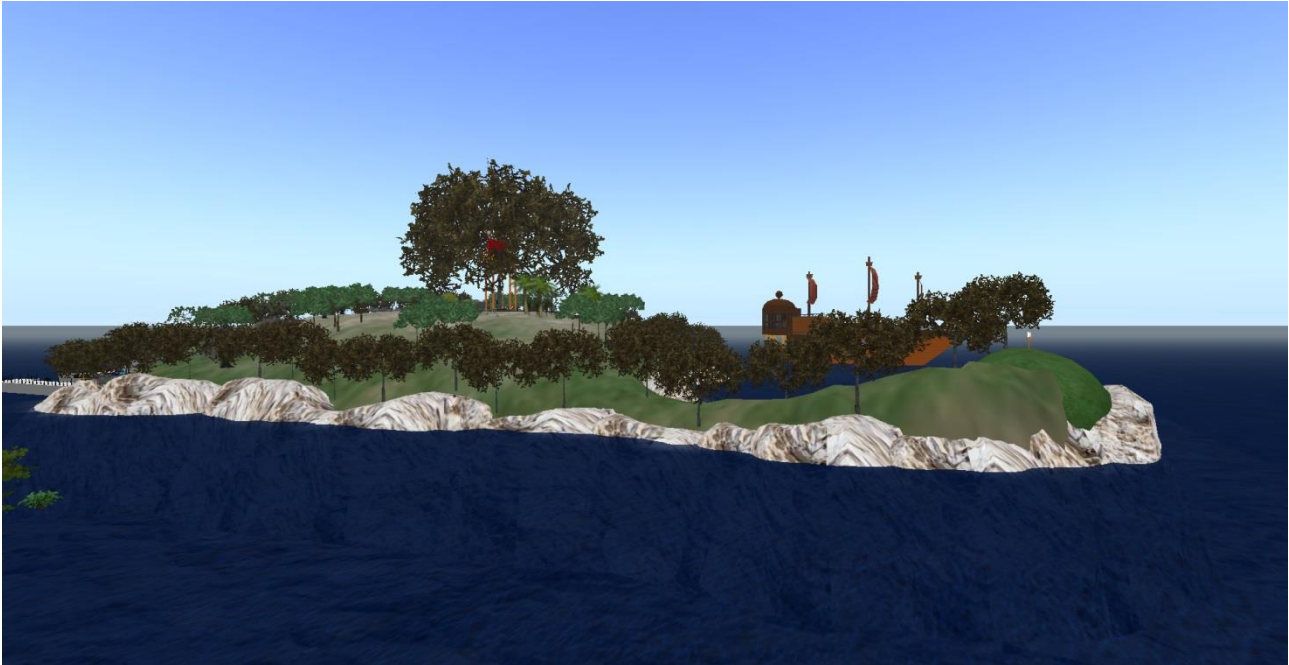
ITEC PROJECT: CREATE A GAME in VIRTUAL ISLAND.

The project involves the construction of a virtual environment to create a math game for the secondary school students 12 years old. We have built a virtual model of the Gallinara Island in Edmondo virtual environment dedicated to teaching, to build a math game on the virtual island.

<http://www.scuola-digitale.it/ed-mondo/progetto/info/>

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<http://mathitec.blogspot.it/p/game-itec.html>



<http://www.youtube.com/watch?v=1zLtwqoavYY>



THE GAME

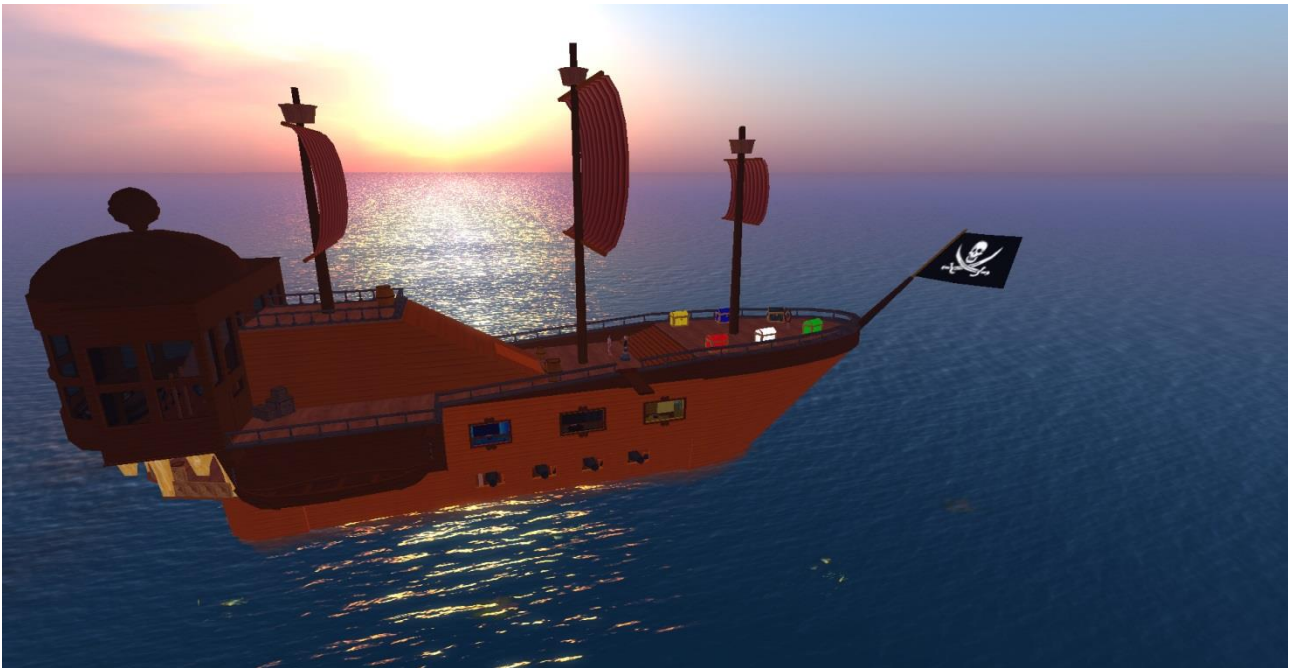
The game is a treasure hunt in six stages that we have placed at strategic points of the island.

In each stage there is an interactive math game.

- Departure from the pirate ship

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<http://www.youtube.com/watch?v=sPH2RdstFHs&feature=youtu.be>

- the port zero game



<http://www.youtube.com/watch?v=RtipTdQTEs>

- the den trees game one

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<http://www.youtube.com/watch?v=TNR9ZEREpci>

Edward De Bono . Lateral thinking “6 cappelli per pensare”



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The den and the nests on the tree



- the shell game two: There are three Shells only one is the game. Find the Shell game.



<http://www.youtube.com/watch?v=ILfTiM7gjP0&feature=youtu.be>

The trap game three

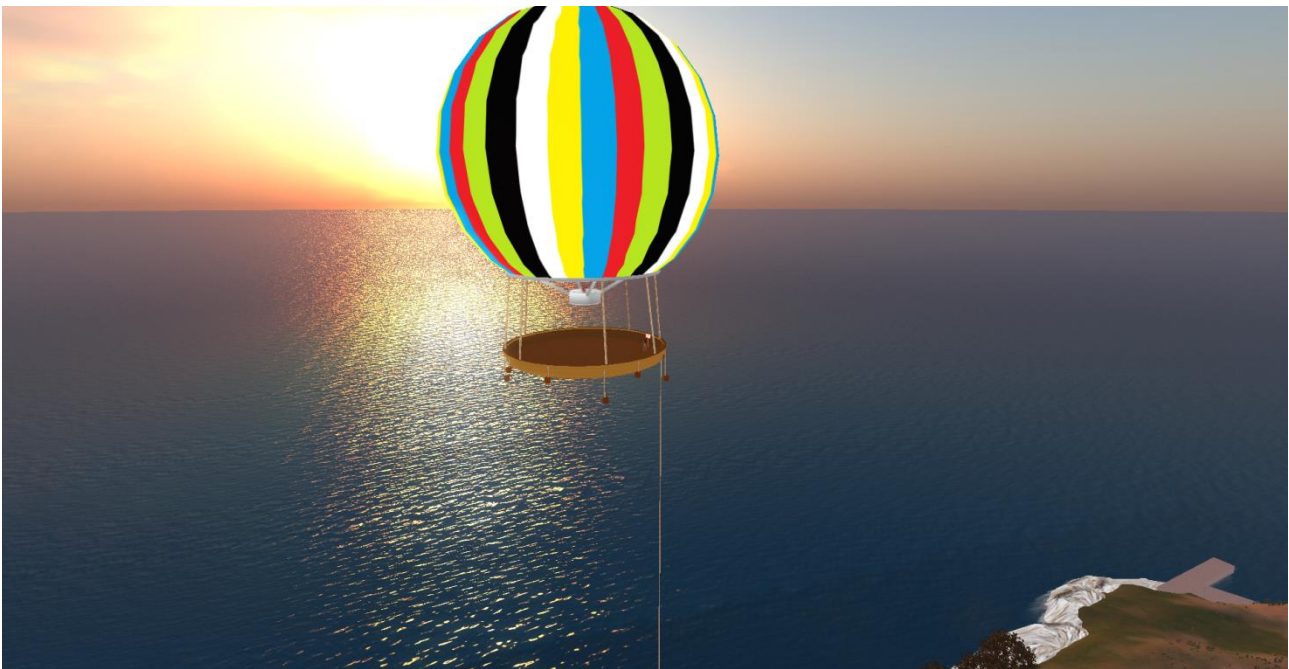


<https://www.youtube.com/watch?v=93OBWFlqdaI>

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<http://mathitec.blogspot.it/p/game-itec.html>

- the balloon game four



<https://www.youtube.com/watch?v=tTaifZDRUlo>

At each stage there are instructions to carry out a math test and to reach the next stage

The awards are in coins of gold, silver or bronze. The game takes place in collaborative groups.



Teaching for virtual Worlds

Educational cooperation

To Exploring

To create

To invent

To experience

Design, work together, create, innovate the learning environment

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fly around the lair of pirates, plan the stages of the game

Google maps is provided the outline of the island which we have reproduced in the virtual world. Terraforming the island, profile, cliff vegetation, the harbor, the peninsula, the rocks, vegetation, olive trees, lavender, iris, eucalyptus, shell, sea cave, maze, pirate ship.....





Technical collaboration Claudio Pacchiega Teaching Coordination Giliola Giurgola

Marine environment edited by the student Michelangelo T.

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