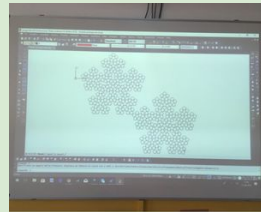


WORKING ON THE GOLDEN SPIRAL

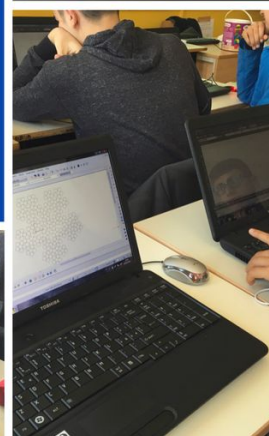
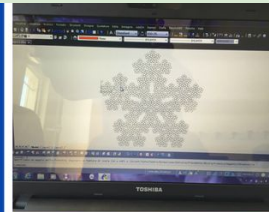
THE STUDENT OF MAJORANA SCHOOL



DRAWING

“Golden”
Fractals

USING CAD



Pages 1

PRESENTATIONS

ESAFETY ACTIVITIES

[DRAFT] Videoconferences

[DRAFT] Activities proposal

THE MYSTERIES OF THE GOLDEN RATIO

- Geometry lessons
- Expert talks: Dr. Ivano Suma and Dr. Roberto Spedicato
- A movie about infinity
- Students' work: "Golden" shapes

The Fibonacci sequence and the Golden Ratio

MISS AND MISTER GOLDEN RATIO

LET'S FORM THE TRANSNATIONAL TEAMS!

GOLDEN ARCHITECTURAL PATTERNS IN OUR CITIES

[DRAFT] TOOLS

WORKING X ZORAN STAVIĆ

CREATE A PAGE

The Fibonacci sequence and the Golden Ratio

Edit page

The magic of Fibonacci numbers | Arthur Benjamin

In our classroom we watched the TED clip in which professor Benjamin inspired the students with his talk regarding the Fibonacci sequence. Beforehand we already watched the video "Nature by Numbers" at the following link <https://www.youtube.com/watch?v=kkGeQWYFoA>, introducing the students to the mysteries of the golden ratio.

Assigning the tasks

Maths

Mathematical “tricks” and
Pythagoras

Drawing and Graphics

The project logo

English and mother tongue

Writing the stories



Pythagoras

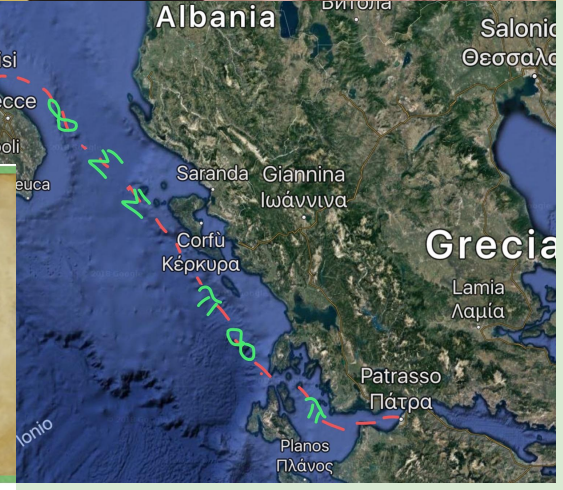
- Pi DAY: the Moebius loop
- The journey
- Pythagorean numbers



In number theory, a *perfect number* is a *positive integer* that is equal to the sum of its proper positive *divisors*, that is, the sum of its positive divisors excluding the number itself, also known as its *aliquot sum*. Equivalently, a perfect number is a number that is half the sum of all of its positive divisors.

Perfect Number	Sum of its Divisors
6	1 + 2 + 3
28	1 + 2 + 4 + 7 + 14
496	1 + 2 + 4 + 8 + 16 + 31 + 62 + 124 + 248
8,128	1 + 2 + 4 + 8 + 16 + 32 + 64 + 127 + 254 + 508 + 1,016 + 2,032 + 4,064

Amicable Numbers



The design of the logo

- Brainstorming
- Drawing with SketchBook
- Voting with Tricider

20:47 twinspace.etwinning.net

ME PAGES MATERIALS FORUMS LIVE MEMBERS

ges » LOGO COMPETITION

Welcome Marusca Destino

Mystery, fun, math stories!!!

Pages 1

al-Geogebra
PETITION
rminology.
n numbers
ivities from the
eeting at the
al Senior High School of
ersity
or our logo!
oot
AL EVALUATION
SEMINATION
IXUON

ras school presentation
:cture on the Golden
: Experimental Senior
of University of Patras
ROPAN YEAR OF





CREATE A PAGE

ARCHIVED PAGES

LOGO COMPETITION

A group of students (both from Brindisi and Patras) were been involved in the creation of the project logo. The were been published on a Tricider in order to decide the logo winner.

<http://www.tricider.com/brainstorming/2vHw3lN6pXx>

Ideas	Pros and cons	Votes
 <p>Nature and Maths.. by Gabriele</p> <p>Two butterflies in armony with some golden spirals..</p>	<p>+ It looks beautiful</p> <p>Add argument</p>	<p>4</p> <p>19 ★ Vote</p> <p>Andrea, Francesco, Emanuele and 16 more</p>
 <p>Monuments by Anthony Papageorgiou</p>	<p>+ Amazing work anthony!</p> <p>Add argument</p>	<p>5</p> <p>8 Vote</p> <p>Natalia, Giovanni, ann and 5 more</p>
 <p>shacking hands by Emanuele</p> <p>Here it is: the golden spyral and two shacking hands!</p>	<p>+ WONDERFUL I LOVE THIS</p> <p>+ i vote for this logo because i rely like the idea</p> <p>Add argument</p>	<p>7</p> <p>7 Vote</p> <p>Emanuele, Lorenzo Perrone, beatrice and 4 more</p>
 <p>Pythagoras logo by maria krithi</p>	<p>- I find that Pithagoras connects the two countries</p> <p>+ It is very nice.It looks professional.</p> <p>Add argument</p>	<p>6</p> <p>6 Vote</p> <p>maria, anna.k, theni and 3 more</p>

3 member

Logo competition





And the winner is...
Gabriele Bracciale!

iPad 21:46 tricolor.com 23%

Let's vote for our logo! time is up

The eTwinning students vote for the logo of our project. Choose what you think represents your work the best and give reasons for your choice.

Share and Invite | Subscribe to updates

Ideas	Pros and cons	Votes
 <p>Nature and Maths... by Gabriele</p> <p>Two butterflies in harmony with some golden spirals...</p>	<p>It looks beautiful</p>	<p>19 Andrea, Francesco, Emanuele and 16 more</p>
 <p>Monuments by Anthony Papageorgiou</p>	<p>Amazing work anthony!</p>	<p>10 Natasa, Natasa, Natalia and 7 more</p>
 <p>shacking hands by Emanuele</p> <p>Here it is: the golden spyral and two shacking hand!</p>	<p>WONDERFUL I LOVE THIS</p> <p>I vote for this logo because i rally like the Idea</p>	<p>7 Emanuele, Lorenzo Perrone, beatrice and 4 more</p>
 <p>Pythagoras logo by maria krithi</p> <p>Pythagoras connects the two countries</p>	<p>I find that Pithagoras connects the two countries</p> <p>It is very nice.It looks professional.</p>	<p>6 maria, anna,t, theni and 3 more</p>

Androniki from Greece had the inspiration for this icon



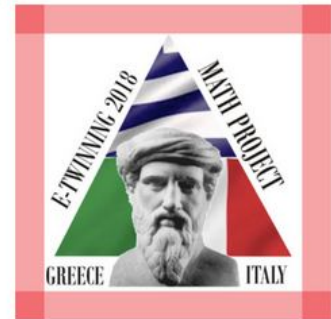
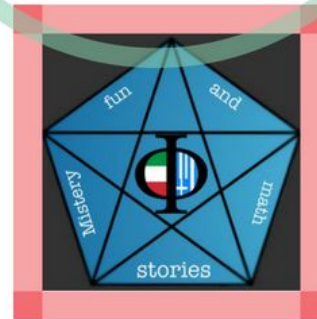
Designing the project logos
COMPETITION

46%

MISTERY FUN AND MATH STORIES



the winner is the
Italian logo with
butterflies

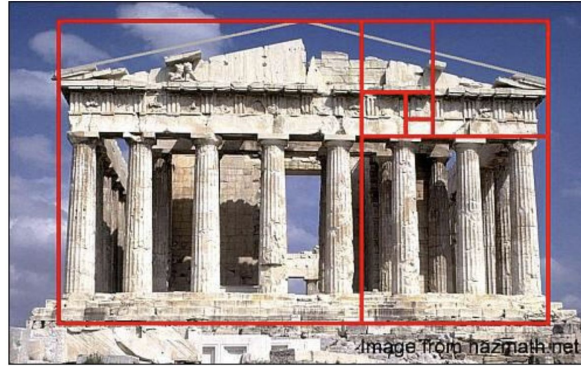


The mystery in the stories

- TEAM A: The mystery of the carved marble
- TEAM B: Curiosity healed the cat!
- TEAM C: The treasure of Epidaurus

TEAM A

The mystery of the carved marble



It was sunny and warm at the Acropolis of Athens; while the tourists were taking photos and the guides were talking about the ancient monuments, an art college student was sitting on the ground to rest a bit in the shade of a column. He started to doodle in the soil when something startling grabbed his attention. A stone almost buried by time and dust was different from the other ones; Edmund guessed it was a carved piece of an entablature. Removing dust from its surface, a mysterious but dazzling image appeared: there were spirals linked together following some mysterious rules. It reminded him of a memory of his childhood..Several years ago his grandfather, Dr. Harris, revealed a secret to him...

That object was a marble of great significance, but Edmund didn't know why.

His grandfather had told him about this kind of marble. After his discovery, he rushed over to his grandfather's house whom he hadn't visited for a long time. He drove there in his red old car, knocked on the door but he didn't get an answer at first. He insisted on knocking the door ,after several seconds the door slowly opened. A tall man with white beard, gloomy appearance and blue eyes appeared. The man curiously asked: "What do you want in my house?"

TEAM B

Curiosity healed the cat!



There once was a group of curious guys who lived in Italy. In their group there was a boy who had a strange illness. Their names were Luca, Elise, Mark and Jasmine. Luca was the "intelligent boy" of the group and Mark was very good with computers despite his disease. Elise was a girl that loved sports and adventures and Jasmine loved dressing well and meeting new people. They had a tree house where every afternoon they would meet to discuss and have a good time together. One day they were looking for some mysteries to solve, until they finally found a website that spoke about the Voynich



I was in my house watching my favorite mystery movie for the tenth time, when suddenly a loud knock was heard on the door. I clicked the pause button and placed the bowl with the popcorn and the huge cup with coke on the small wooden table in front of me. Slowly and a bit angry, because my free-time activity was interrupted, I walked to the door. I looked through the peephole, always anxious about who I would find outside my door at twelve o'clock in the night. There was a short thin guy, with curly brown hair, not older than 25 years old. His pale skin was covered under the black clothings. What was unusual about him was that he was wearing sunglasses, in the middle of the dark night. I opened reluctantly the white door and when he said the first word I got chills all over my body. "Hello", He said as quietly as a whisper. "How can I help you?" I tried to find more things about him by looking at parts of his body. "Can you keep a secret?" he asked me. "I've heard that you are one of the best detectives in town, is that true?" "Come in!" I said strictly and looked outside, checking if anyone was watching, before I closed the door. We went inside. The moment I closed the door behind us, I saw him

The journey to Patrasso

- Visit to the city
- Meeting of the students
- Collaborative work



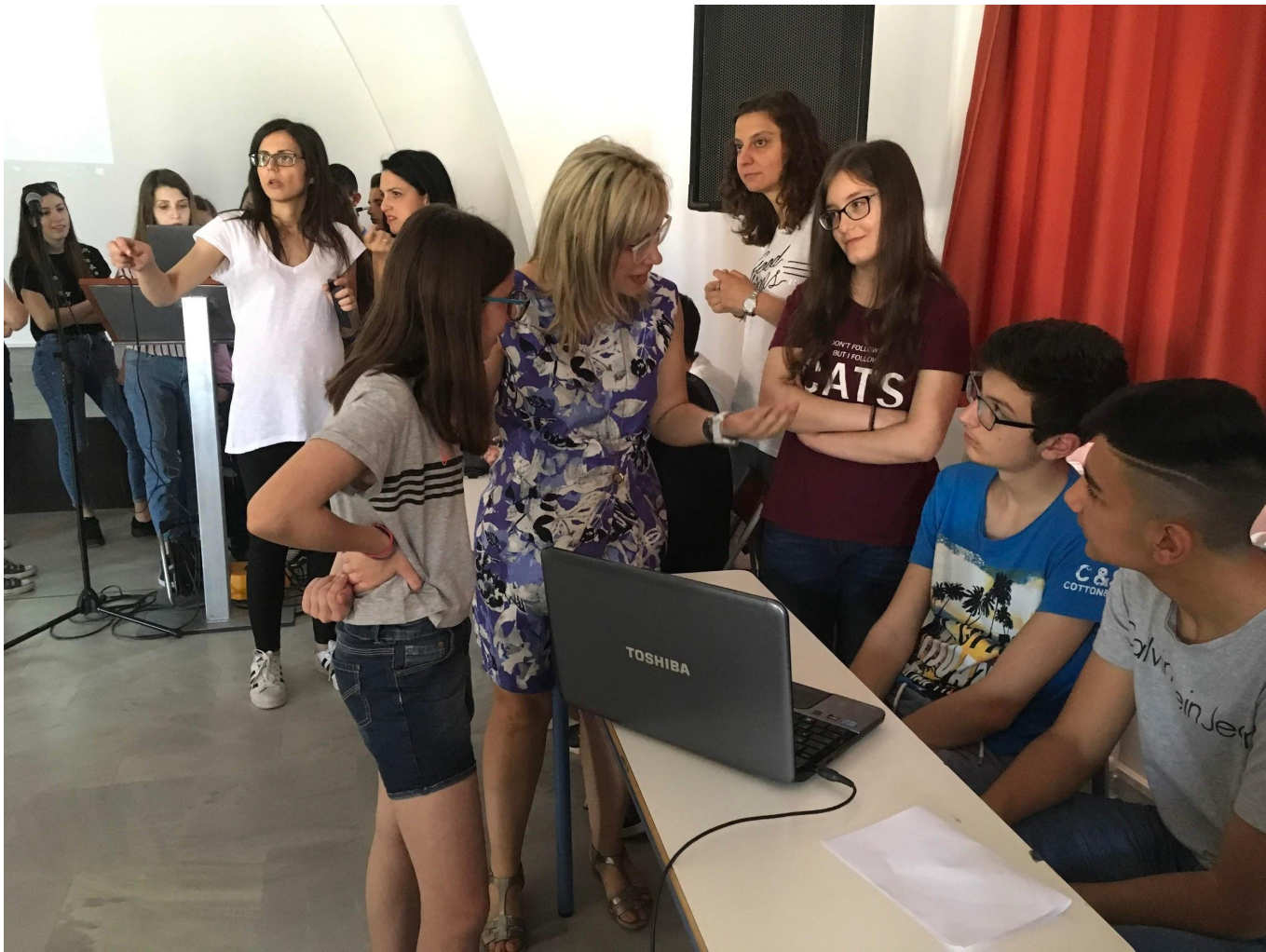
Sightseeing in Patras



Meeting of the etwinner friends



The activities at the Experimental Lyceum





















Our souvenirs





Thanks for your attention

Mystery, fun, Math stories!

by Giovanna Zito e Marusca Destino