

## Competition for 13 – 18 years old teenagers

### “Art & Science”

#### DANCE AND MUSIC ON EVAPORATION OF WATER

| Participants | First name | Last name | Date of Birth      | Role    |
|--------------|------------|-----------|--------------------|---------|
|              | Natassa    | Detsika   |                    | Teacher |
| 1            | Mina       | Stihiou   | 22-10-2004<br>(15) | Student |
| 2            | Magda      | Christidi | 03-12-2004<br>(15) | Student |
| 3            | Evi        | Christidi | 03-12-2004<br>(15) | Student |
| 4            | Eleni      | Mike      | 15-08-2004<br>(15) | Student |
| 5            | Vaggelis   | Pafilis   | 26-01-2004<br>(15) | Student |

### The concept

The children that took part to that project have great love to music; listening, composing and dancing. I teach them Chemistry. This year we had the chance to travel to Milano during a project on periodic table we held along with the Lyceum Donatelli – Pascal. There, we visited the great Museum of Science and Technology, Leonardo da Vinci. The children “met” Leonardo da Vinci and they really were amazed of him and his abilities on science and on art, too.

As soon as we returned from the trip, I used to give my lessons accompanied with music. Usually I said Vaggelis (one of the student) to play

his own music! So the lesson became more attractive. There came your competition. The children were inspired to combine my lesson to their likes: music and dancing.

The music was composed by Vaggelis and the choreography is a project made from scratch by the four girls, Mina, Magda, Evi and Eleni. The “script” was a team work from the teacher (me) and the students.

**Children believe that life will improve if they are free to express themselves and if teachers have open ears and mind. They also prefer lesson presentation in ways that can magnify them and implement them, too.**

### Comment

In our presentation we tried to combine a scientific experiment along with art. More specifically, we tried to show how the lesson on the evaporation of water is presented by the science teacher:

At first the teacher begins with the theory and he goes on with an experiment.

But the students wanted a different way. They complaint they don't understand. So he listens to them and suggest them to visit the school theater where they will present him the lesson in their way! In a way that comes through dance and music.

So the science teacher (Vaggelis) is becoming a composer! The Dance teacher (Eleni) is coming to help him by dancing with the students (Mina, Evi, Magda). That's how a somehow boring lesson becomes ... alive; through the imagination and the participation of the same students!

The scenario is that: Two of the girls are the water in the liquid phase that meets with the fire represented by the two other girls. Fire is promising to change water's life, to give it another state, to send it up, higher, by evaporating it. Water is very enthusiastic and agrees to change phase. Then, while up in the air, far away from the power of fire, evaporated water loses power, feel alone and unable to exist up there. So it has to take revenge! It is becoming liquid again it falls down angrily and takes all the power of the fire by lighting it off!

**That was the inspiration we took from Leonardo da Vinci fable:**

**“The fire and the water!”**

We (teacher and students) would like to thank you for the opportunity you gave us to participate in such a competition that brings together science and art!