



## NTSE VIDEOCONFERENCE PROGRAMME

**December the 6<sup>th</sup>, 2013**

### **RO - IT Videoconference**

**2 Videoconference Sessions starting at 11 C.E.T.**

**RO Primary School Teacher: Ștefan Georgiana**

(Școala "Ioan Alexandru Brătescu Voinești" Târgoviște, Romania)

**IT School Teacher: Francesca Borrelli**

(Scuola Primaria Paritaria San Tarcisio, Italy)

**RO young students' level: 3<sup>rd</sup> form - 9/10 years old**

**IT young students' level: 5<sup>th</sup> form - 10/11 years old**

**Lesson Title: Is there any Lotus effect around us?**

#### **Session I**

10.50 Establishing the connection. Testing of system

11.00 Starting of the activity (RO). Presenting the Lotus flower by the Romanian teacher

11.04 Observing at optical microscopes the Lotus leave structure by young students

11.10 Explanations and discussions. Section for questions and answers (RO & IT)

11.15 Explaining the particular phenomena of floating of a needle on the surface of water.

Experimenting

11.23 Discussions. Section for questions and answers (RO & IT)

11.28 Watching the *Lotus Effect* videoclip (from the NTSE Virtual Lab)

11.34 Experimenting the Lotus Effect using Lotus leaves, water and oil

11.44 Discussions. Section for questions and answers (RO & IT)

11.50 Ending of the Session I

Break

#### **Session II**

12.00 Establishing the connection. Starting of the activity (IT). Presenting the content of the activity by the Italian teacher

12.05 Watching the *Hydrophobic Paper* videoclip (from the NTSE Virtual Lab)

12.10 Experimenting with water colors, color pencils, paper, baking paper, special prepared paper with "nano-spray"

12.20 Discussions. Section for questions and answers (IT & RO)

12.26 Evaluation of the whole activity (in IT and RO).

12.36 Conclusions related to the activity (IT & RO)

12.45 Ending of the Session II