



Ministero dell'Istruzione
dell'Università e Ricerca



Ufficio II
Supporto e sviluppo delle Istituzioni Scolastiche
autonome



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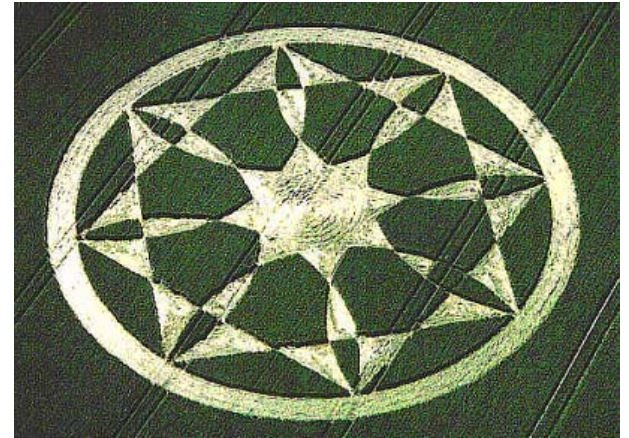
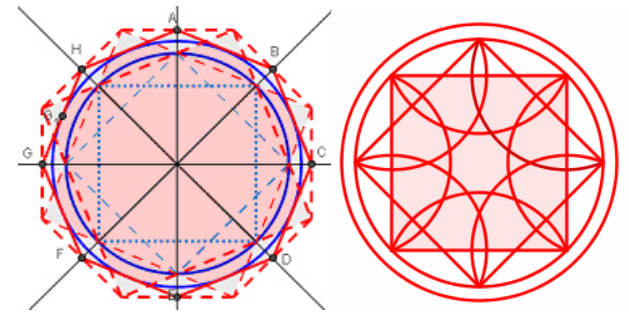


Photo courtesy (www.cropcircleconnector.com)



“CROP CIRCLES CHALLENGE”

BARI, 5 APRILE 2006 h.16.30
ISTITUTO TECNICO COMMERCIALE
“C.VIVANTE”
PIAZZA DIAZ 10 - BARI



“CROP CIRCLE CHALLENGE”



The project has been carried out by the VBM students of ITC “C. Vivante” Bari – Italy, which have challenged a class from Belgium and a class from Greece. Their work shows what is needed to stimulate their wit and bring maths back to its real essence: a subject that instead of complicating things wants to give students meanings and logic.

The project “Crop circles challenge”, promoted and carried out by three European teachers - aims at experimenting new methodologies and technologies to study maths and it won the Etwinning 2005 first prize as digital resources.



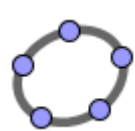
Do you like to join them in the “Crop Circles challenge”? You can find a lesson plan to start and construct a first crop circle here www.vivante.it/com@net/crop_circles.html.



e Learning



GEOGEBRA



GeoGebra www.geogebra.at is a dynamic open source mathematics software that joins geometry, algebra and calculus. It is aimed at secondary schools and it is developed by Markus Hohenwarter at Florida Atlantic University. During the event every participant can use freely Geogebra.

PROGRAMMING

During the event, promoted by the Regional Ministry of Education, students and teachers will be able to test the possibilities of this open source software. Then XPLORA www.xplora.org the European science education gateway will be showed.



In the computer science laboratories at Vivante:

- ore 16.30: explaining about Geogebra (II floor)
- ore 17.30: proof of combinations of different geometric figures (III e IV floors)
- ore 18.30: explaining about Xplora, just for teachers (II floor).



The European science education gateway

Xplora (www.xplora.org) is the European gateway to science education, run by European Schoolnet (a network of 31 Ministries of Education and national agencies across Europe). It is aimed at teachers, pupils, scientists, science communicators and science educators. The website offers news, information, tools, projects, resources and more. The Xplora gateway is created as part of PENCIL, a Science and Society project funded by the European Commission's DG Research.

Xplora is cooperating with many innovative partners in Europe and it is able to offer exciting new resources such as web experiments, database projects and collaborative projects. In order to make Xplora fulfill science teachers' needs, teachers are involved to give feedback on the design and development of the portal's tools and services, local acquisition and identification of resources, support of teachers in native language and for content contribution.