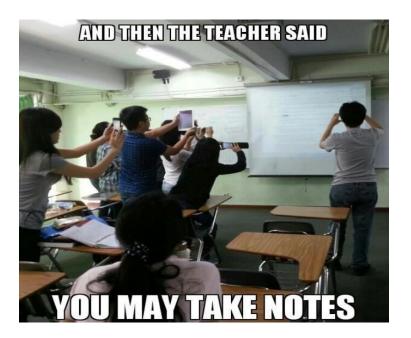


## ICT Tools in Mathematical Projects

Warsaw 08 - 11.10.2015



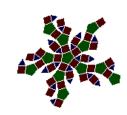




# Ge&Gebra

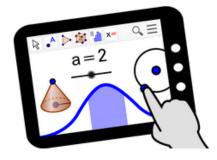
What is GeoGebra?
Why Geogebra?
Introduction to GeoGebra – interface, tools
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IS A MULTI-PLATFORM MATHEMATICS SOFTWARE THAT GIVES EVERYONE THE CHANCE TO EXPERIENCE THE

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#### What is GeoGebra?

GeoGebra is dynamic mathematics software for all levels of education that brings together geometry, algebra, spreadsheets, graphing, statistics and calculus in one easy-to-use package. GeoGebra has become the leading provider of dynamic mathematics software, supporting science, technology, engineering and mathematics education and innovations in teaching and learning

worldwide.



#### **TEACHERS LOVE IT BECAUSE...**



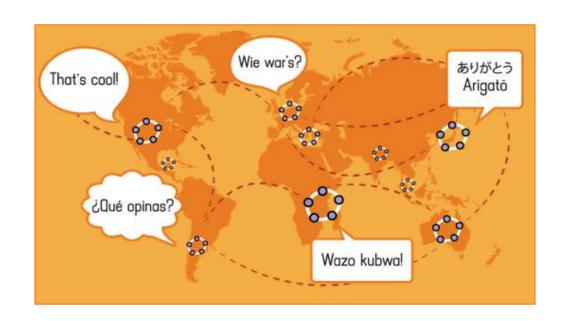
# IT ALLOWS TEACHERS TO CONTINUE TEACHING

GEOGEBRA DOESN'T REPLACE TEACHERS. IT HELPS TEACHERS DO WHAT THEY DO BEST - TEACH



# IT ALLOWS TEACHERS TO PLAN AND DELIVER BETTER LESSONS

GEOGEBRA GIVES TEACHERS THE FREEDOM TO BE THEMSELVES, CREATING LESSONS THEY KNOW THEIR STUDENTS WILL FIND INTERESTING



# IT ALLOWS TEACHERS TO CONNECT WITH OTHER TEACHERS

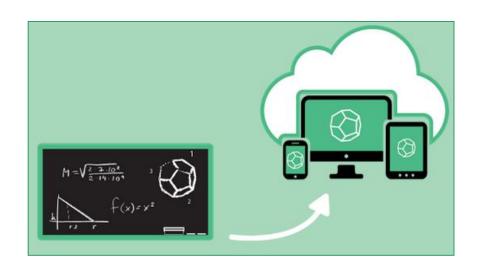
GEOGEBRA TEACHERS ARE PART OF A GLOBAL MATH COMMUNITY

### STUDENTS LOVE IT BECAUSE...



#### IT MAKES MATH TANGIBLE

GEOGEBRA MAKES A LINK BETWEEN GEOMETRY AND ALGEBRA IN AN ENTIRELY NEW, VISUAL WAY - STUDENTS CAN FINALLY SEE, TOUCH, AND EXPERIENCE MATH



# IT MAKES MATH DYNAMIC, INTERACTIVE AND FUN

GEOGEBRA TEACHES STUDENTS
MATH IN A NEW AND EXCITING WAY
THAT GOES BEYOND THE
BLACKBOARD AND LEVERAGES
NEW MEDIA



### IT MAKES MATH ACCESSIBLE AND AVAILABLE







GEOGEBRA ALLOWS STUDENTS TO CONNECT WITH MATH ANYWHERE AND AT ANY TIME – IN SCHOOL, AT HOME, ON-THE-GO



# IT MAKES MATH EASIER TO LEARN

### GEOGEBRA CREATES THE INTERACTIONS THAT STUDENTS NEED IN ORDER TO "ABSORB" MATHEMATICAL CONCEPTS

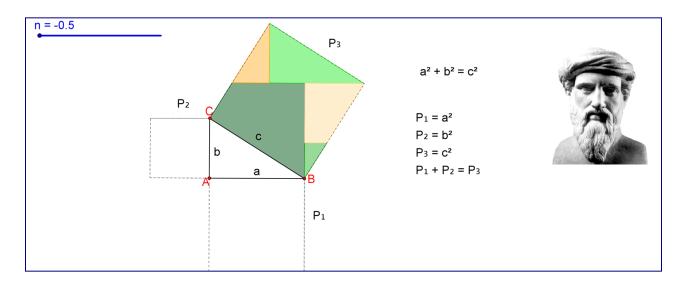
### SCHOOLS LOVE IT BECAUSE...

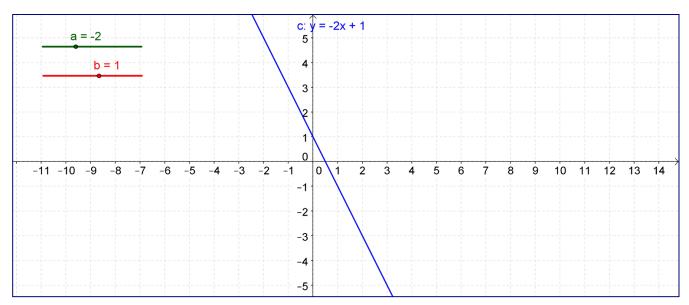
STUDENTS WHO USE GEOGEBRA

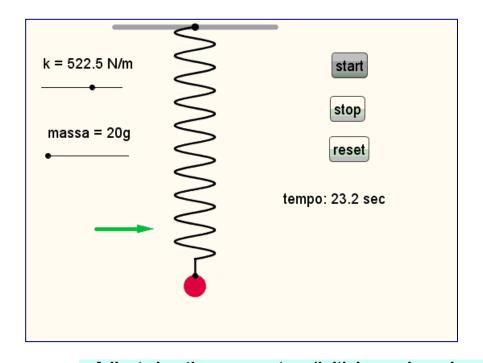
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STUDENTS WHO ARE MORE MOTIVATED

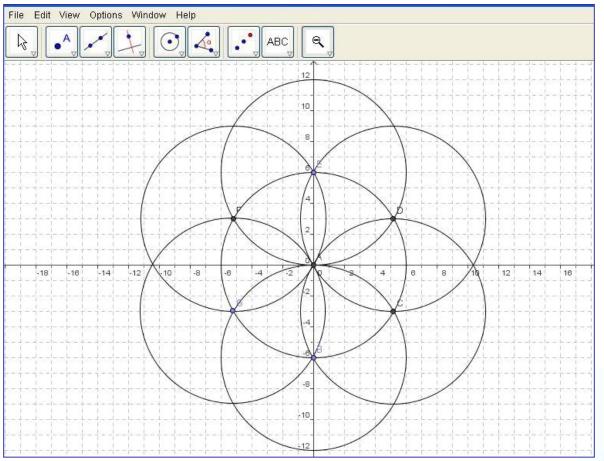
STUDENTS WHO GET BETTER RESULTS

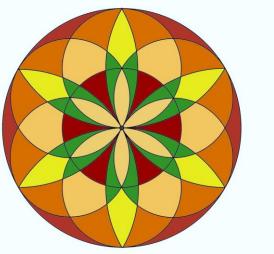


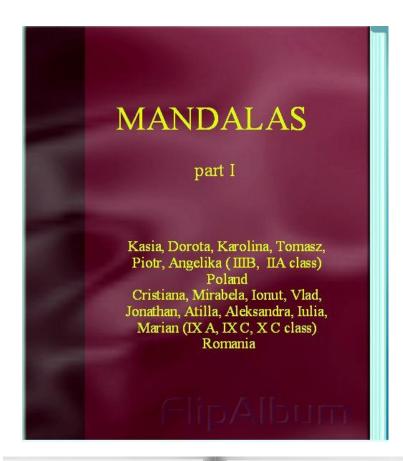


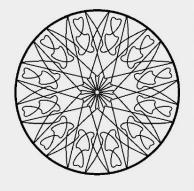


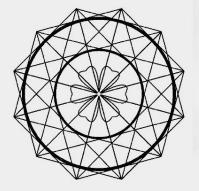


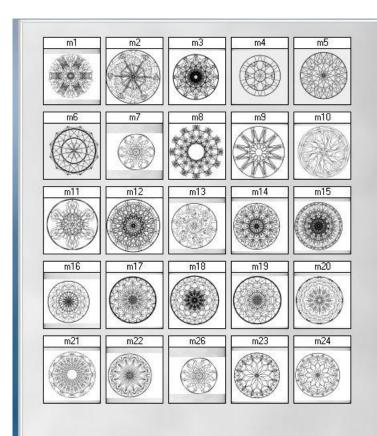




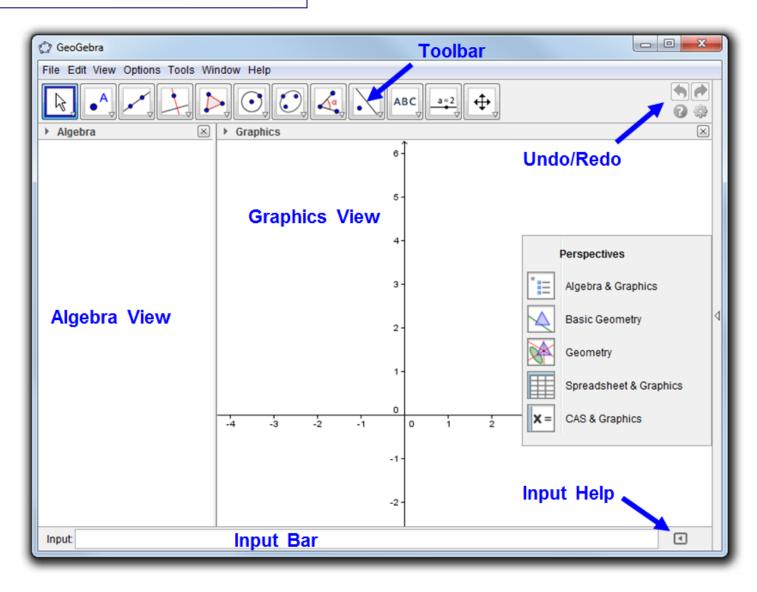


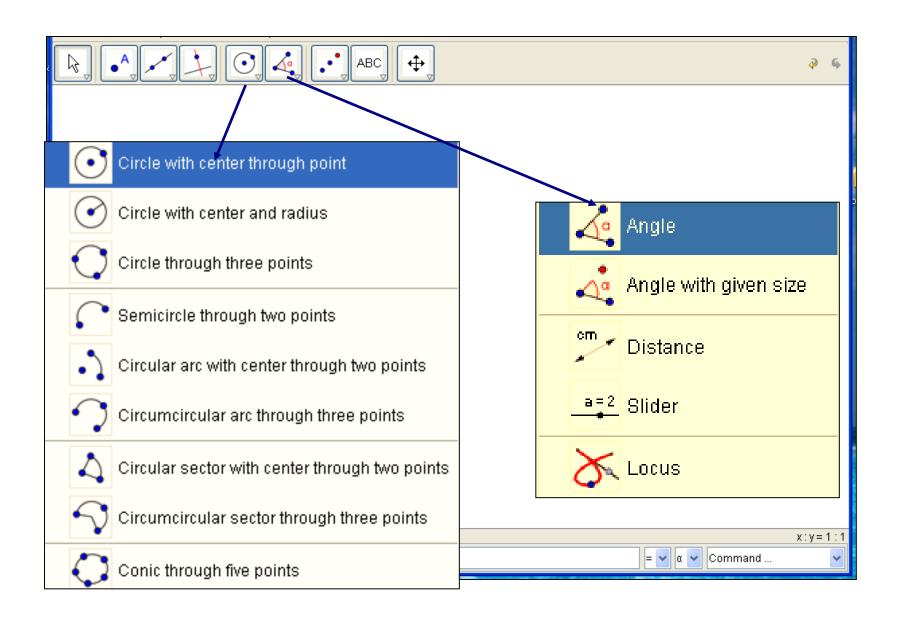


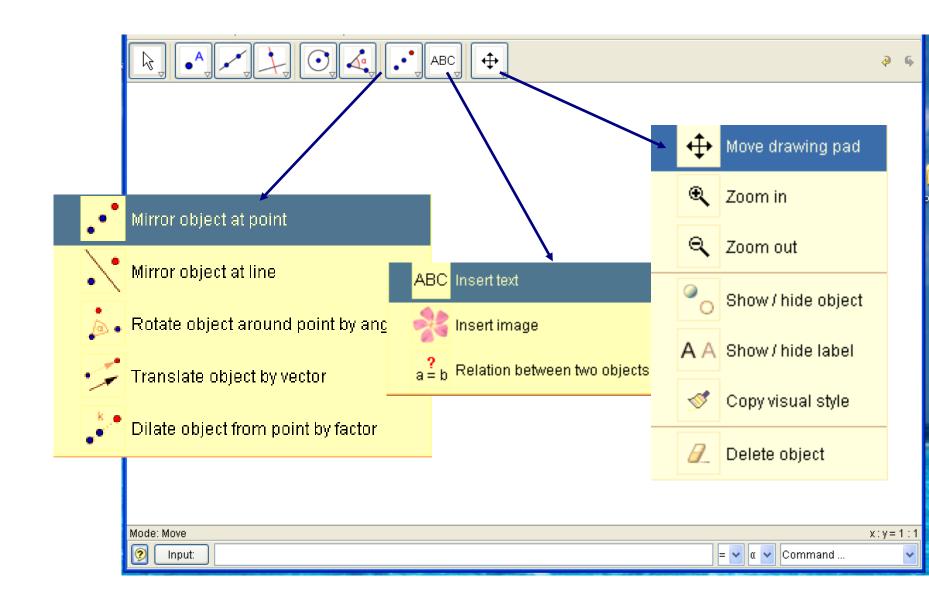




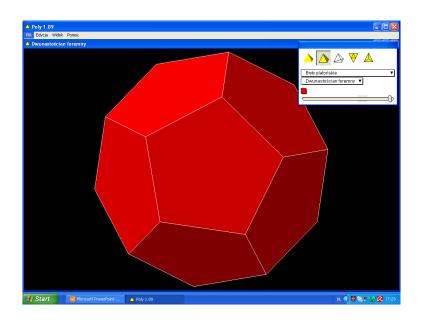
# Ge&Gebra



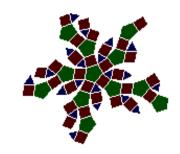


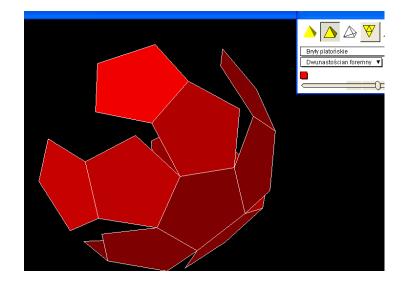


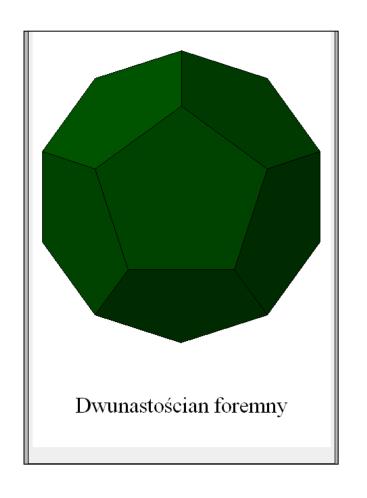
### **POLY**



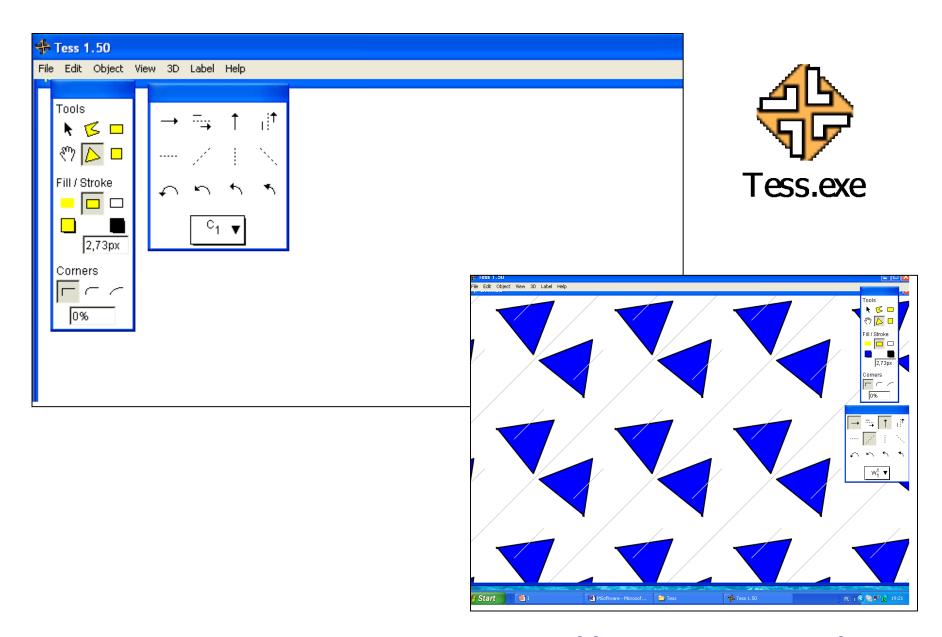
http://www.peda.com/poly





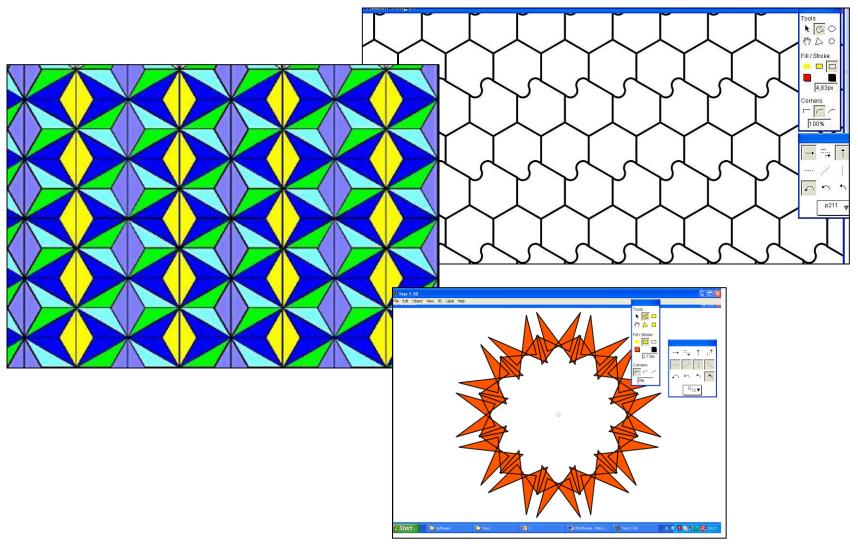






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### Patterns, tilings and tessalations



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### A lot of fun and success working with GeoGebra!

Thank You:)

Jolanta Grzywnowicz

jgrzyw@op.pl

