Math with Origami

Mathematics is a mental gymnastics which are not necessarily enjoyed by everyone. Through the creative teaching tool of Origami, students can be taught how to tackle this difficult subject in a fun yet effective way.

RESULT

-Improved spatial skills - Passage from 2D to 3D 3D to 2D



 Interactive activity ⇒ more pupils are motivated
An alternative method for children who have difficulties with the classic system.

<u>Note:</u> a greater improvement in spatial visualization has been found among boys than girls (due specifically to video games).

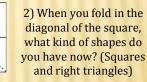


EXAMPLE LESSON

Primary Lesson - Sailboat Model Math <u>Concepts:</u> Shape, area, parallel and perpendicular, spatial relations



 How do the areas of the new squares compare to the old ones? (1/4)
What about the fold lines, do you recognize them? (perpendicular lines)





3) Can you find parallel or perpendicular lines anywhere? 4) of co tv

4) How does the area of the bottom triangle compare to one of the two upper triangle ? (x2)



5) With the last fold done, what shape is the base of the boat? (Trapezoid)

Conclusion: The study, that made this observation, suggests that origami is even much effective than standard method when learning geometrical concepts, and then that is more playful.

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