

Paper roll mathematics in the classroom

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In this interactive workshop, everyone will work in small groups on different assignments: all involve intuitive mathematics and everyone will fold with paper rolls. The mathematics is suitable for pupils between 11 and 18 years old. Everyone can join an assignment that is interesting for the pupils he has in class.

After a short intro and working in small groups, we will discuss the results and didactics. Topics that will pass the road: rational numbers, regular polygons, calculating angles, exterior/inscribed angles, rotations, invariance group, divisors, geometry in 3D versus 2D, convergence, accuracy and differentiation. We will use paper rolls, pencils, glue sticks, scissors,... so all mathematics will be experienced in a very visible manner. For further details you'll have to join this workshop of self-discovery mathematics!

Matematika z zvitkom papirja

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V delavnici bodo udeleženci reševali različne naloge z zgibanjem papirja. Delo bo potekalo v manjših skupinah, udeleženci pa bodo lahko izbrali tiste naloge, ki so najbolj primerne za njihove učence. Za izvedbo v razredu je dejavnost primerna za učence in dijake med 11 in 18 letom.

Po krajši uvodni predstavitvi in delu v skupinah bo potekala razprava o rezultatih in didaktičnih vidikih izvedene dejavnosti. Ob obravnavanih matematičnih vsebinah: racionalna števila, pravilni večkotniki, koti, vrteži, invariantne grupe, delitelji, 3D geometrija v primerjavi 2D geometrijo se bomo dotaknili še natančnosti in diferenciacije. Udeleženci bodo v delavnici uporabljali papir, svinčnike, lepilo, škarje.... Torej matematična izkušnja, ki jo lahko doživite in vidite! Za vse ostalo pa se boste morali pridružiti delavnici!