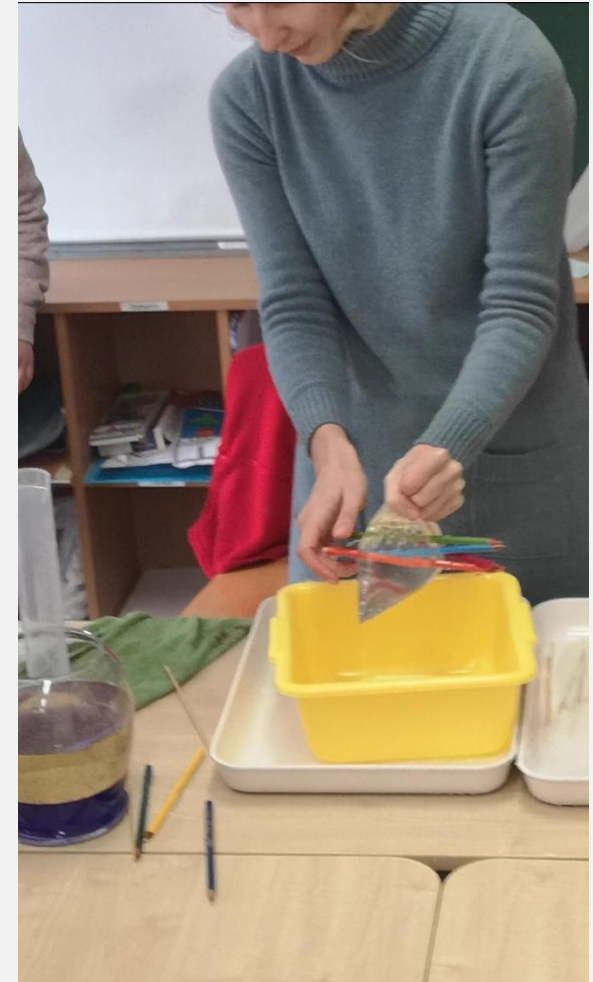


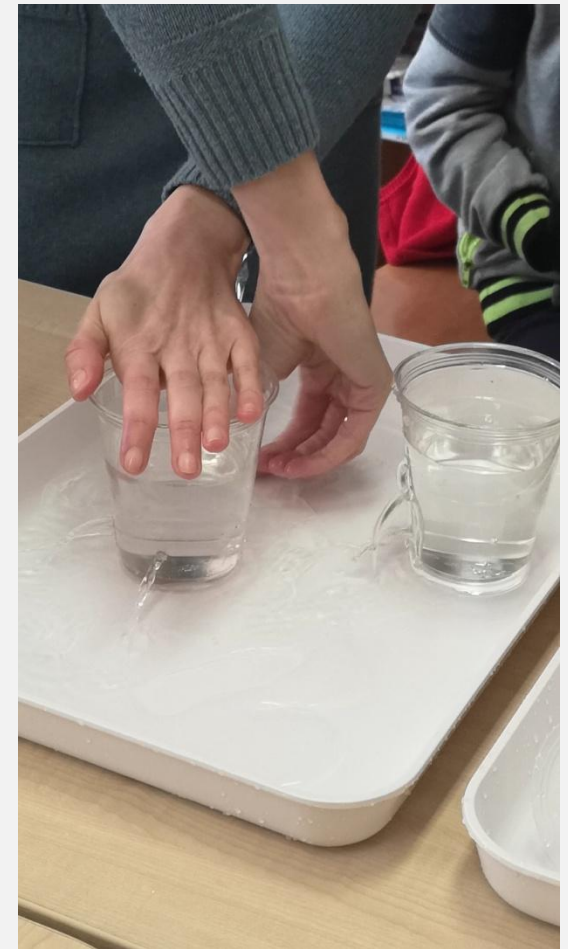
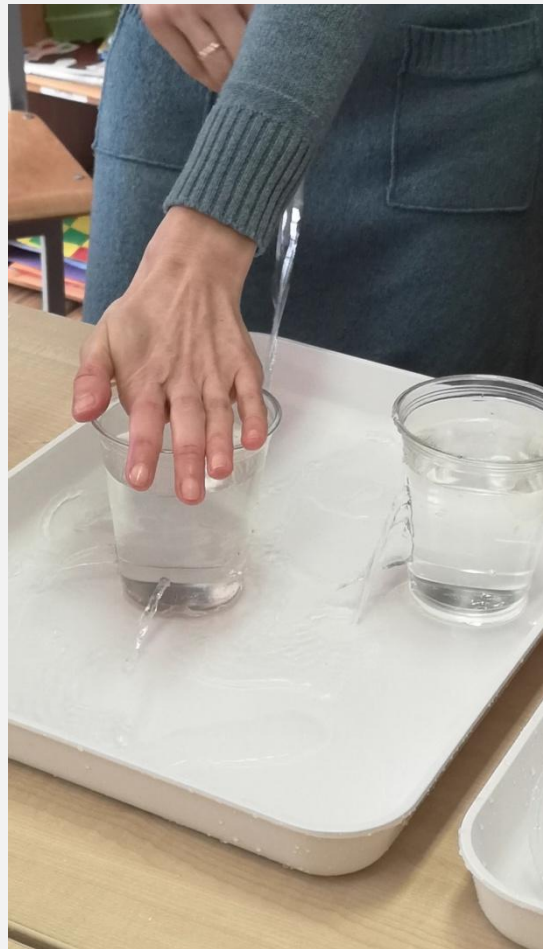
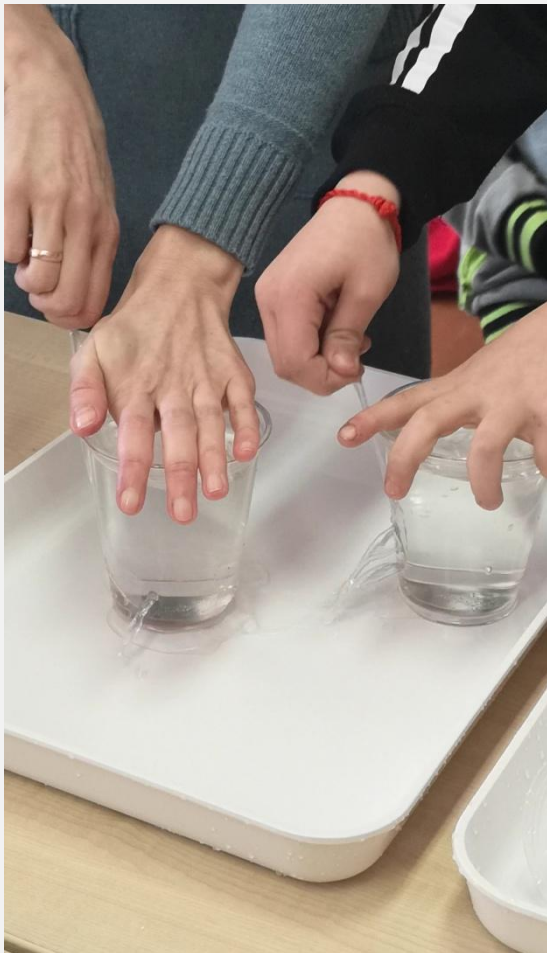


EXPERIMENTS WITH WATER IN 4B 😊

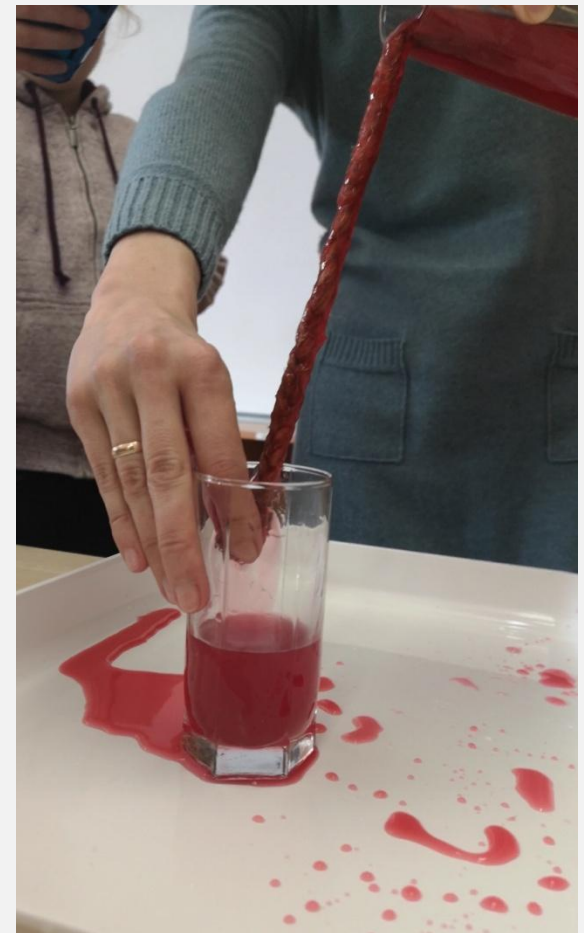
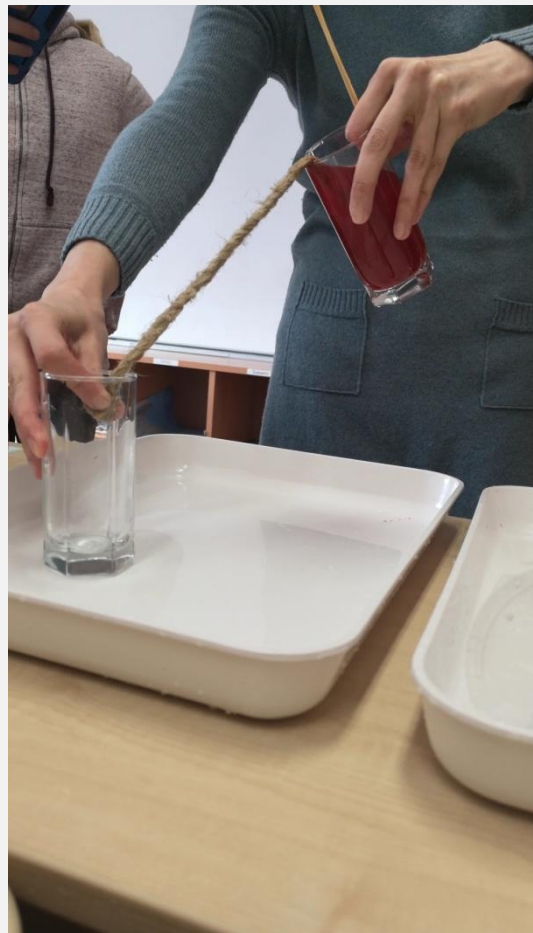
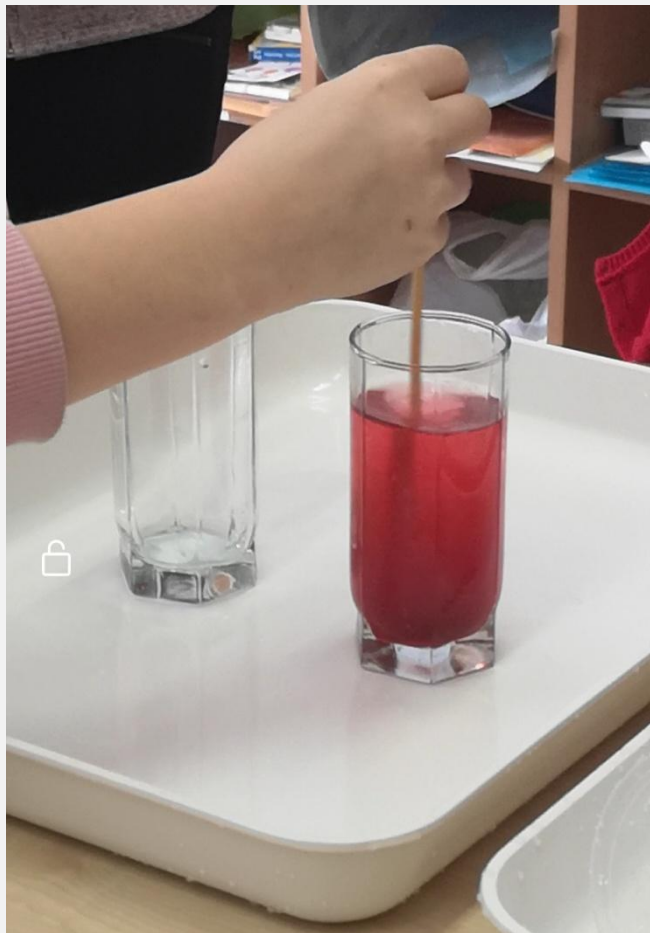
Pour water into plastic bag and close it tightly. Pierce all the bag (both walls) with the pencil as fast as you can. Water is not running out of bag...



Take two plastic glasses. Make holes around on at the same level in one of the glasses and make vertical line of holes in the other glass. Close holes with scotch from outside. Pour water into the glasses and take scotch off. What is happening? We have the same streams of water from the holes around the glass, but different streams from holes arranged vertically. The highest stream is weakest and the bottom one is the strongest. Why?



Pour water into the glass and add some paint. Connect glasses with the rope as it is in the second picture. Pour water on a rope. Water goes to the empty glass, but just if rope is stretched strongly. If no, water runs on the table...

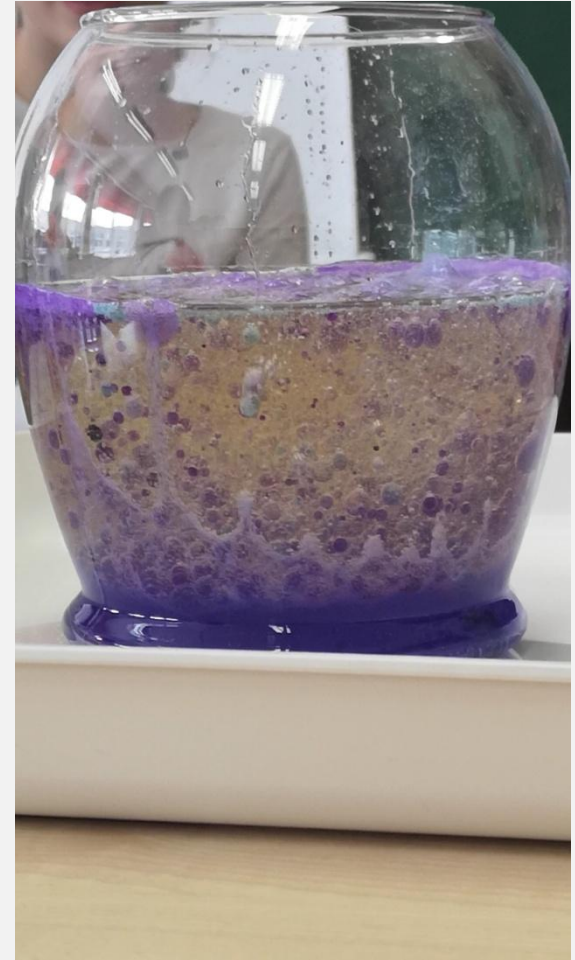
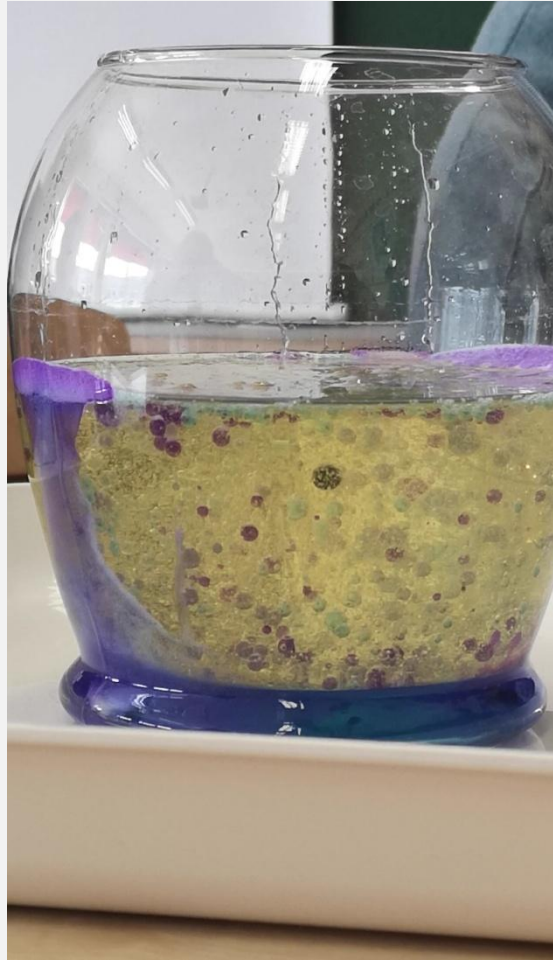


Pour $\frac{2}{3}$ of oil and $\frac{1}{3}$ of water into the clear tank .
Drop some paint.



Add some secret ingredient 😊

secret is – 2-3 pills of aspirin . Šššš ...



Pour water out of two bottles or flasks which are the same size and shape. Do it at the same time – both flasks together. Just make a whirlpool in one of flasks before pouring water out. You will see that water is running much faster through the narrow “neck” of flask if there is a whirlpool. Why?



Drop some grapes into two glasses – with still and sparkling mineral water. What is the difference and why?





Take two small glasses and fill them with cold and warm water. Put different colors into them. Cover warm water glass with piece of paper. Overturn it and put on a cold water glass. Take piece of paper out carefully and let water to mix. But it is not mixing - different colors stay in their glasses – just small area is mixing. Why?



Do the same as it is in previous slide, just put cold water on a top. What is different? In this case wter is mixing fastly. And what color you will get if mixing blue and yellow?

Take three tangerines and peel one of them completely, peel the half of second one and leave unpeeled the third one. Put them into the water. They are on different levels Why?

