

Diversity in STEM Teaching

SCIENCE ON STAGE
TURKU 2024



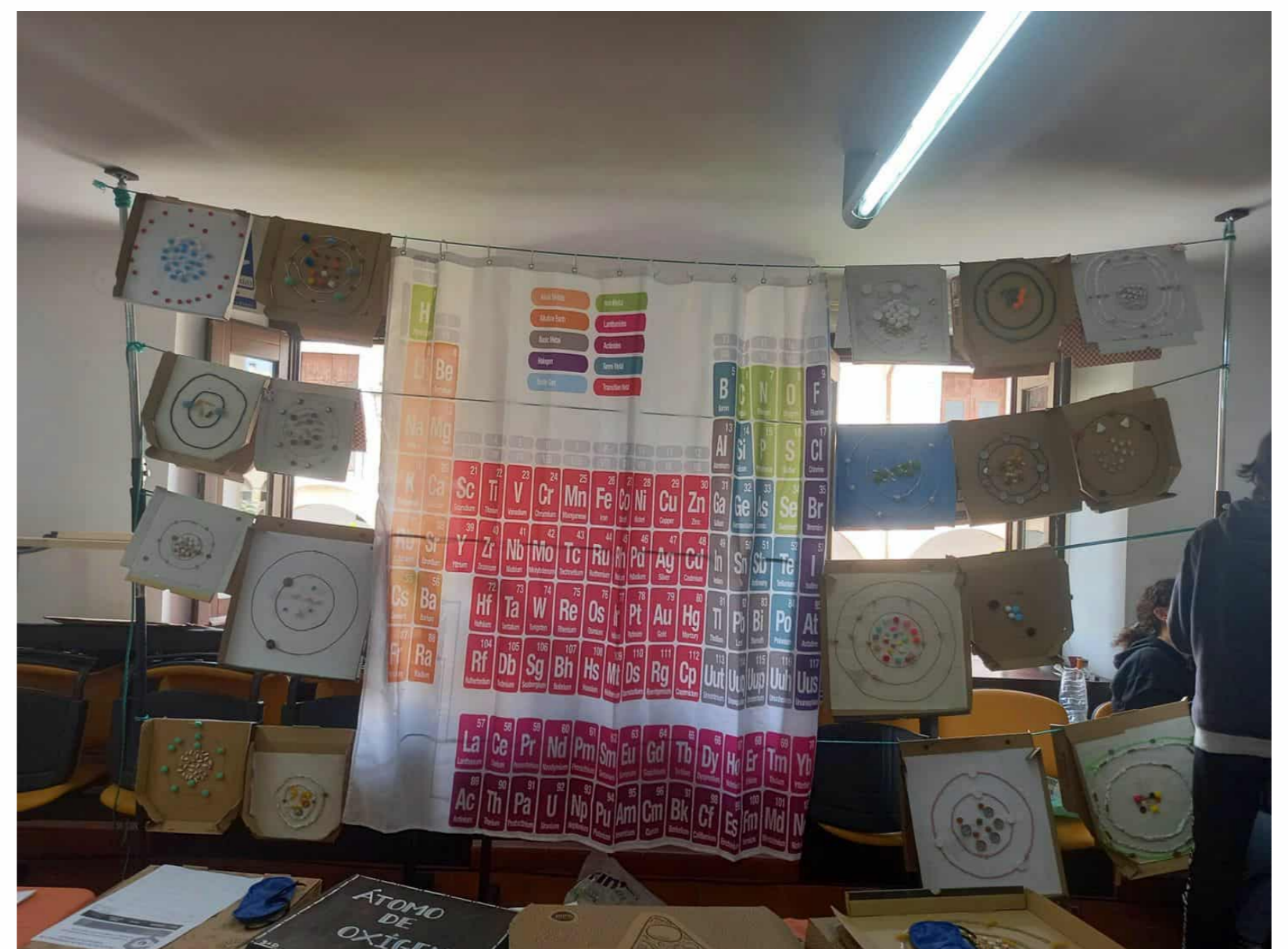
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Do you want to feel an atom?

200 students prepare 200 typhloatoms, researching and testing how to do it so that their visually impaired classmates understand it

Jaime, a totally blind student, was in our 3rd grade class trying to understand the structure of the atom that the Physics and Chemistry teacher was drawing on the blackboard for the whole class. Once the teacher turned around, he asked the class if they understood, and everyone said yes...except Jaime. The teacher, overwhelmed, asked the class. How can you help me so that Jaime understands it? And the class began to propose making atoms that it can touch (Typhloatoms). And each one began to propose using different recyclable materials, distributions according to the Bohr model and putting them in cardboard pizza boxes.



But in addition, each one selected an element of the periodic table to also build the first known periodic tiflotable, renewable year after year and that would serve to raise awareness among the population that anyone can contribute to design and research how to manufacture materials adapted even for concepts complex like that of the atom.

Conclusion: Course after course, all 3rd ESO students at the IES prepare new and better typhloatoms that they test at different public events in Ronda and Córdoba.