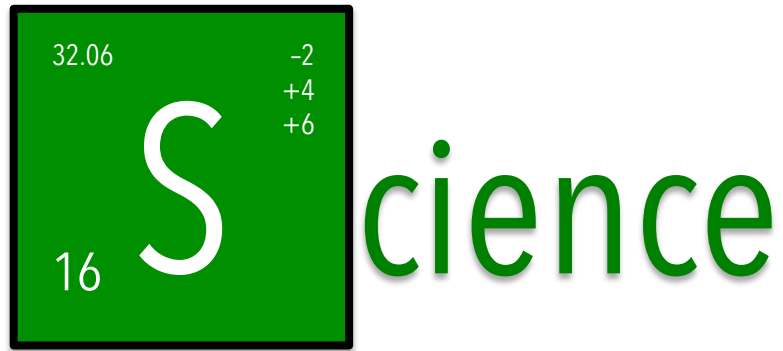


Doing, Talking, Writing and Drawing



Apprenticing Students into the World of Science

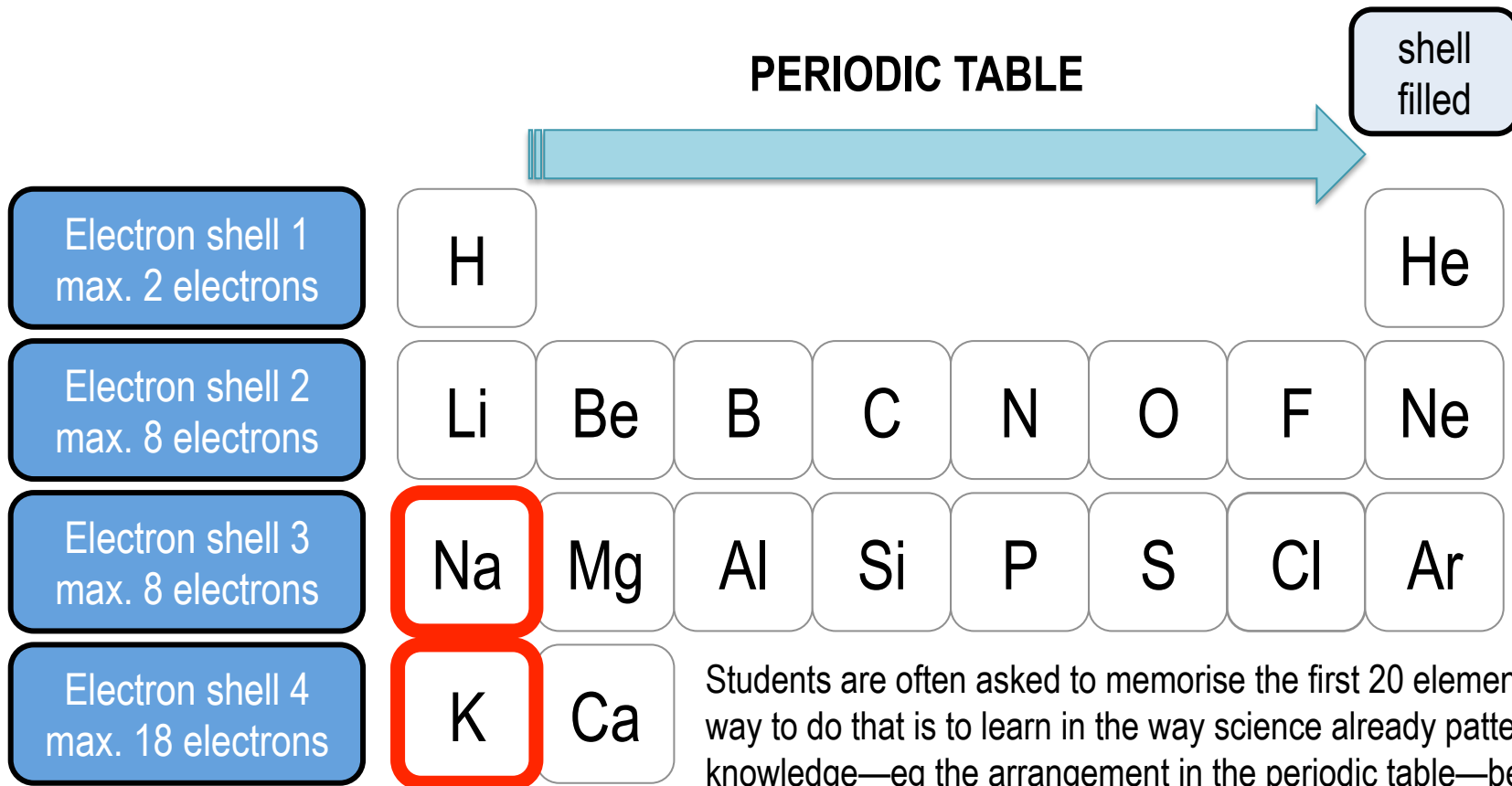
2013-2014

John Polias

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Pedagogical resonance

Making sure that our teaching resonates with the knowledge being taught so that learning is maximised.



Students are often asked to memorise the first 20 elements. The best way to do that is to learn in the way science already patterns its knowledge—eg the arrangement in the periodic table—because we learn best through patterned meanings. Then we can also point out that the two elements bordered in red are the only two of the 20 that do not begin with the first or first two letters from the element's name in English. They begin with their Latin names: Natrium and Kalium.