

# Writing helps in learning!

With schools going digital, the use of pencil and pen reduced and the keyboard became the most important tool. So as the saying goes- When in Rome, do as the Romans had to be followed. This brings out a question- Will Keyboards replace pen & pencils?

Let us read what the research says.....

In our digital age, writing anything by hand beyond the shopping list may seem outdated, but a new Norwegian study suggests that handwriting may be more beneficial than typing.

In fact, it's "vital" children are taught handwriting at school, concludes Dutch neuroscientist Professor Audrye van der Meer of the Norwegian University of Science and Technology (NTNU).



The research, published on *Frontiers in Psychology*, showed parts of the brain were activated when the subjects were drawing and writing by hand. The findings suggest the movement and cognitive effort required by both activities (as opposed to the repetitive one-finger typing action) enabled the brain to encode new information

"The delicate and precisely controlled movements involved in handwriting contribute to the brain's activation patterns related to learning," the authors wrote. "We found no evidence of such activation patterns when using a keyboard."

It seems that the act of putting pen to paper (or stylus to screen), involves more sensory experience – or as Prof van der Meer puts it, it "gives the brain more 'hooks' to hang your memories on".

"A lot of senses are activated by pressing the pen on paper, seeing the letters you write and hearing the sound you make while writing. These sense experiences create contact between different parts of the brain and open the brain up for learning. We learn better and remember better," the author said.

Sourced from [World Economic Forum](#).

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