# Educational methodologies from the knowledge theory of Maturana and Varela for teaching natural science

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### Objective

Analyze the possibilities offered by Maturana and Varela's theory of knowledge for the development of educational methodologies in the teaching of natural sciences.

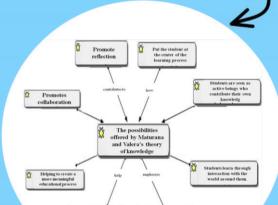


### Methodology

The socio-critical paradigm and participatory action research were employed, conducted with 5th-year students in the three subjects, collecting data from 12 teachers and students.

Results

The methodology based on the theory of knowledge positively impacts students' performance



#### and motivation.





## Conclusion

The information obtained guides transformations in educational practices, revitalizing the teaching of natural sciences and strengthening student engagement in these disciplines.



