



Ações de divulgação e popularização das Ciências Exatas via ambientes virtuais e espaços não formais de educação [

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text (article)

Analítica

For several reasons, the Exact Sciences have been shown as one of the areas of scientific knowledge that most demand actions in non-formal spaces of education. One of the main reasons lies in the fact that Mathematics, Physics, Chemistry and Astronomy are traditionally addressed, within the school environment and in the formal curriculum, unrelated to the student reality. Such subjects are often seen as a set of inflexible and incomprehensible principles. In this aspect, the present work reviews the main problems surrounding the teaching of the mentioned scientific areas, highlighting non-formal tools for the teaching of Mathematics, Physics, Chemistry, Astronomy and, in particular, the modern virtual environments of teaching modeled by Computing Science. Other historical difficulties that the formal education of Exact Sciences has suffered in Brazil are also presented, as well some of the main non-formal resources sought to complement the curriculum that is usually presented in the classroom

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