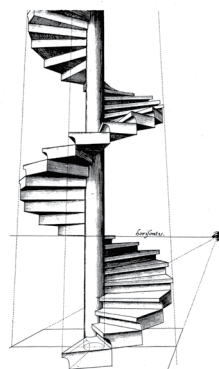




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## TRABALHANDO COM AS TRANSFORMAÇÕES PONTUAIS NA EDUCAÇÃO BÁSICA

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### ABSTRACT

This paper presents the report of the experiences about activities accomplished with students on the 9<sup>th</sup> grade (High School) and 12<sup>th</sup> grade in Colégio Pedro II, Rio de Janeiro, Brazil, concerning the subject of Punctual Transformations. Among the Multiple Intelligences proposed by Gardner (1995), Spatial Intelligence is responsible for solving spatial questions, for which the visualization capacity must be instigated. This subject has been seen in activities of correlated areas and in questions of Exame Nacional do Ensino Médio (ENEM). The activities, that took place in Realengo's Campus in November 2014 and in Centro's Campus in April 2015, included techniques on Geometric Drawing accomplished with traditional tools and software (such as *Paint*, *GeoGebra*, *Word* and *Tess*) and were inspired by the artwork of the illustrator Maurits Cornelius Escher.



[www.aproged.pt/geometriasegraphica2015.html](http://www.aproged.pt/geometriasegraphica2015.html)

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