

Production of didactic material for visually impaired children in science teaching

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Abstract

The teaching of science is based more and more on the application of pedagogical resources to facilitate the formation and appropriation of the knowledge by the students. With the inclusion of students with visual impairment in regular education, the production of didactic material that also attend to them becomes an extremely important factor for teaching-learning. This work is part of a UFPR research/extension project that aims at theoretical research, observations and face-to-face tests, producing didactic materials through three-dimensional modelling and rapid prototyping, focused on the teaching-learning process that also enables students with visual impairment full access to contents for the discipline of Sciences. After some studies and observations, a palpable map through the universal design of the Solar System was developed. The initial results show that the model can be used successfully, attending students with and without visual impairment. We observed that the material helps the teacher and favours the teaching-learning process, better illustrating the content to be taught.

Keywords: teaching-learning, didactic material, inclusion, visual impairment.