Integrative activities content (aic): an auxiliary tool for the teaching of Biochemistry in the course of biological sciences at UFRN

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There are constant changes in the development of science, technology, politics, culture and society; the need for change is also evident in the training of teachers. The ease of access to information makes us realize that traditional teaching needs to be updated. The increasing demotivation of students, followed by high reprobation rates, has become a real challenge to the teaching practice. The objective of this work was to awaken in students enrolled in the discipline of MOLECULAR DIVERSITY (MD), a required curricular component in the Course of Biological Sciences at UFRN, an interest in studying the chemistry and functions of biomolecules, better relating the two to each other, and the content already studied in the course, in order to improve the teaching-learning process. This work was developed in a tutoring project registered at PROGRAD/UFRN. This discipline, MD, addresses chemical and structural features of the main organic molecules. The methodology focused on applying problem integrators called INTEGRATIVE ACTIVITIES OF CONTENT. This refers specifically to the application of problems that integrate the topics taught in the discipline, and also those administered in the disciplines processed in parallel, or even in previous semesters. In this way students realize that molecules relate and interact in all bodies; this gives rise to life through metabolism. The discipline is expected to promote meaningful and inter-related learning. We obtained the following results: greater participation and involvement of students in answering the questions posed; greater interest in the discipline; positive changes regarding the number of students who dropped the class, and in reprobation; and greater integration between teachers, students, and teaching assistants. The methodology used in this work was extremely important to achieve the proposed objectives, helping to facilitate the process of teaching-learning, as also to important relate content.

Keywords: biochemistry, education, integrative activities of contents.