

Molecular Structure and Problem-based Learning

Activity developed at Collège de Bois-de-Boulogne

By **JULIE BOUCHER**

The proposed activity uses a problem-based (PBL¹) learning approach. Essentially, this pedagogical approach is separated into three phases. During the first phase, the teacher presents the problem situation dealing with molecular structures, entitled *Good-tasting Medicine*, to teams of 8 to 10 students. After the students read it, he facilitates a discussion during which students identify keywords and make assumptions. During the second phase, students confirm or reject these assumptions, further to some individual reading and work done outside of the classroom. Finally, during the third phase, students team up and explain their understanding of the problem to each other.

This activity uses also an active student-based pedagogical approach.

¹ To learn more about problem-based learning, refer to the section Apprentissage par problèmes (problem-based learning) on the Saut quantique Website at www.apsq.org/sautquantique/doss/d-app.html.