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# Improving Assessment Strategies in General Chemistry

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## **Improving Assessment Strategies in General Chemistry**

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In an effort to improve assessment strategies in a general chemistry course at Valparaiso University, a new homework submission and evaluation system was implemented. Learning objectives for the course were revised to match new goals. These updated learning objectives guided the creation of homework problem sets on the LearningOnline Network with Computer-Assisted Personalized Approach (LON-CAPA). This free, open-source, distributed learning content management system provides improved homework assessment for students through immediate feedback, personalized questions, and a flexible format. Homework for the first semester general chemistry course was prepared on LON-CAPA and a simple user's guide was also created for LON-CAPA to facilitate future use of the program.

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Samantha Cassell is majoring in Chemistry and Mathematics, and plans on attending graduate school to become a high school teacher.

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