

In a world where time is precious and professionals have a heavy pack of responsibilities, there is a need for educational resources to be provided with simple accessibility; resources must be made available in a compact and unified Internet package. Research was collected in subject matter and varying levels of education and curricula. Demonstrations were sought, tested, and adjusted to be more effective. The content was combined in a custom web site, using the Joomla! content management system as a framework. The resources contained within ChemTeacher are available for teachers in secondary chemistry and are best suited for less-experienced teachers, including substitute teachers. The content can be adjusted for several levels of study, ranging from general science to Advanced Placement. Demonstrations cross several different budget and experience limits, ranging from household materials to stockroom chemicals. This project should facilitate the access of teachers to quality resources to positively enhance a students learning experience and the general instruction of chemistry.