

1014-Z1-235

Maidier J Marin (mayejudi@gmail.com), P.O. Box 9081, Mayaguez, PR 00681-9081, and **Daniel L McGee*** (dlmj10@hotmail.com), P.O. Box 9018, Mayaguez, PR 00681-9018. *Web Enhanced Learning in Mathematics with Public Domain Software.*

The basic tools that are needed for web enhanced learning are online tutorials, an online evaluation tool, and a bridge that allows the evaluation tool to connect students with the appropriate online tutorials.

There are many online materials to help students understand topics however most online evaluation tools charge significant fees for their use. A consortium centered at the UPR-Mayaguez has created an online evaluation tool that allows professors to quickly navigate a huge databank of online quiz questions (multiple choice, short answer, formula, etc.) and quickly create weekly quizzes for their students. The quizzes evaluate students by topics and have default tutorials for each topic however professors can change these default tutorials to any online web page they wish.

This presentation will outline the nature of the materials. It will also briefly speak of the consortium that maintains both the internet evaluation tools and the databanks of questions and tutorials associated with these tools. It will conclude with future directions for the perpetuation of these and other public domain materials at educational institutions. (Received August 29, 2005)