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**Geoff R Goehle\*** ([grgoehle@email.wcu.edu](mailto:grgoehle@email.wcu.edu)), 452 Stillwell, Western Carolina University, Cullowhee, NC 28723. *Math Achievements: Gamification and Online Homework*.

This talk describes how two popular gamification techniques, achievements and levels, were added to the online homework program WeBWorK. We will discuss the motivation behind these features and well as student response to these techniques. In particular we will consider how the system impacts student engagement and student learning. While some of the results of this talk are contained in the paper *Gamification and Web-based Homework* (PRIMUS, Vol. 23, Iss. 3, 2013), several new aspects will be discussed. These include “Achievement Items”, a feature which is used to reward students for earning achievements, and a deeper analysis of the effectiveness of the achievement system. (Received September 11, 2013)