

1077-C5-1958 **Karoline Auby*** (kauby@uwlax.edu), 1725 State Street, UW-La Crosse, La Crosse, WI 54601, **James Sobota** (jsobota@uwlax.edu), 1725 State Street, La Crosse, WI 54601, and **Maighread McHugh** (mmchugh@uwlax.edu), 1725 State Street, La Crosse, WI 54601. *Digital Learning Materials: Analysis of student early preparation in College Algebra.*

A collection of media-rich learning objects was developed utilizing teams of students, faculty and staff. These materials are being used in a variety of undergraduate mathematics courses. One collection was designed to assess and strengthen the algebraic skills of incoming freshmen in order to inform and prepare them for a final exam in a college algebra course, (a credit by exam version) which is administered during the second week of the semester. The collection has grown to support students who have placed in remedial level mathematics courses.

An analysis of survey data of student perceptions, time on task and performance will be presented. A record number of students are placing in remedial math, and this rise has had a potential impact on the motivation to take the exam in an attempt to get "back on track" by satisfying the prerequisites in math and science courses. Interesting data relating to student motivations and student demographics will be presented. (Received September 21, 2011)