

1035-Z1-1222

**Susan J Diesel\*** ([sdiesel@norwich.edu](mailto:sdiesel@norwich.edu)), Department of Mathematics, 158 Harmon Drive, Northfield, VT 05663. *Preparatory mathematics: working with challenged students to get them ready for college level math courses.* Preliminary report.

Many students accepted to college are not ready to do college level mathematics. These students are usually placed into a preparatory mathematics class, and need to complete this course satisfactorily before they may move on.

We often forget about the investment needed to serve this group, who present a variety of challenges in the classroom. These challenges include poor study habits, inability to do basic arithmetic without a calculator, lack of critical thinking, no ability to manage their time, and aversion to technology. We will discuss how to manage the wide variation in students who are placed into remedial math classes and how to successfully get them on their way to doing college work in math. (Received September 19, 2007)