

The goal of this project was to create two new pretests (one for CST and one for SN) for the new DBE Math programs based on the MEES DEDs and Course Descriptions.

We began by doing an analysis of MTH 4151 and MTH 4271 and located all of the crossover topics according to the respective DEDs. This helped focus our content for each of the pre-tests.

The next step involved formulating 9 questions for crossover content which included the following topics:

- Properties of a real function from a graph
- Examining the equations of straight lines expressed in 3 different forms
- Solutions to system of linear equations
- Solving systems of equations using an algebraic method (comparison method, substitution method or elimination method)
- Solving systems of equations graphically
- Creating graphs of second-degree polynomials
- Creating graphs of exponential functions

Based on this content we formulated "I Can" statements for the 9 questions addressing the crossover content. These statements would help guide the student through the evaluation process in preparation for the pre-test.

Time was then spent looking over the different exams and identify key concepts, the program of study and the DED in order to get a deeper understanding of the expectations towards students. Likewise, we focused our attention on learning and researching as we needed to get a better understanding in order to produce meaningful documents that would be helpful to our student's success.

These steps then allowed us to create situational problems that would involve the skills needed for the pre-tests. Situational problems and answers keys were generated and vetted by the students for feedback. Using the concepts and skills used to complete the situational problems we proceeded to compile all the work produced in one pre-test. We did have to adjust the format of all the work so that it would look the same throughout the pre-test.

Once the pre-tests were completed, we shared them with our local pedagogical consultant as well as with the PROCEDE pedagogical consultant . As these are tests and we do not want them viewed by the public they can be accessed through the password protected DBE Implementation website managed by PROCEDE consultants yet accessible to all Adult Education math teachers across the province.

The impact of this project was evident by the success rate of these two classes. It would be beneficial in the future to continue such a practice and develop more essential resources for our students.

